GRENIER & ASSOCIATES, INC.

ENVIRONMENTAL PLANNING • LICENSING & PERMITTING • REGULATORY COMPLIANCE

September 20, 2011 *Compliance Log #2011-018*

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

Subject: Lodi Energy Center (08-AFC-10C)
Condition of Certification COM-6
Monthly Compliance Report #13

Dear Ms. Stora:

In compliance with Condition of Certification COM-6 as set forth in the California Energy Commission's Final Decision for the Lodi Energy Center Project, enclosed please find one hard copy and one electronic version of the project's thirteenth Monthly Compliance Report for the period ending August 31, 2011.

If you have any questions regarding this submittal, please contact me at (916) 780-1171.

Sincerely,

Andrea E. Grenier

Andrea Grenier
Environmental Compliance Manager
for the Lodi Energy Center Project

cc: Mike DeBortoli, NCPA

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Docket 08-AFC-10C

Lodi Energy Center Project

August 2011
Reporting Period

Monthly Compliance Report #13

This document has been prepared by Grenier & Associates, Inc. on behalf of the Northern California Power Agency and represents the thirteenth monthly compliance report for the Lodi Energy Center Project. The information contained in this report covers construction, commissioning, and environmental compliance activities performed during August 2011.

Lodi Energy Center Project

Docket 08-AFC-10C

August 2011
Reporting Period

Monthly Compliance Report #13

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MONTHLY COMPLIANCE REPORT #13

ONE | INTRODUCTION

On April 21, 2010, the California Energy Commission (CEC) issued a license to the Northern California Power Agency (NCPA) for the construction and operation of the Lodi Energy Center Project. The CEC Compliance Project Manager (CPM) issued an Authority to Construct letter to NCPA on July 14, 2010, allowing the start of construction activities for all power plant and related linear facilities.

This document constitutes NCPA's thirteenth Monthly Compliance Report (MCR) for the Lodi Energy Center Project, as required by Condition of Certification COM-6 in the CEC Final Decision for the Project. The information in this report documents the construction, commissioning, and environmental compliance activities that were performed during August 2011.

TWO | OVERALL PROJECT STATUS

NCPA has contracted with several companies to provide the engineering, procurement, and construction services needed to build the Lodi Energy Center Project. WorleyParsons (WP) is performing as NCPA's owners engineer and construction manager, providing engineering, procurement, and design services and overseeing the construction of the project. Siemens is providing the power island equipment, which includes the combustion turbine generator and associated equipment. ARB, Inc. (ARB) is the construction contractor for the power plant and transmission interconnection facilities. Pacific Gas and Electric Company (PG&E) will design, build, and operate the natural gas pipeline associated with the project.

As of the end of August 2011, the project was 71.8 percent complete overall. Project detailed design engineering has been completed, but WP's engineering team continues to provide support related to vendor submittal review and construction support. The following table presents the percent complete numbers for the engineering, procurement, and construction activities as of the end of the month.

Activity	% Complete
Engineering	99.9
Procurement	100.0
Construction	53.6
Commissioning	0

During August, the CTG erection continued with the trimming out of the CTG and CT Enclosures, installing CT piping systems, and erecting the inlet air filterhouse. The CTG is expected to be mechanically complete by the

end of next month. Pulling of cable from the Siemens Electrical Package to field devices also continued. The power and control cable pulls from PDC #2 to the UATs were completed. The STG and its components arrived from Europe at the port of Stockton in mid- August. Equipment and material have been off-loaded and site deliveries have started.

The Contractor erected the 230KV poles from F1 to F5 and set the sections of CTG isophase required for backfeed. ARB also set the station service and alternate feed transformers and non-seg bus duct needed to bootstrap the DCS.

ARB's subcontractor Agate continued trim-out of the STG Enclosure, and completed major erection and siding of the Water Treatment Building structure. Switchyard equipment erection was completed, and Cupertino continued with conduit installations, making ready for cable pulls for switchyard control. ARB began preparations for the HRSG hydrotest. Foundation and soleplate work was begun to set the STG next month. Ductbank construction and underground piping was completed, and ARB continued backfilling.

Weekly coordination calls were held during the reporting period between NCPA, WP, and ARB. A project summary schedule is included in Exhibit 1 of this report. An updated key events list is included in Exhibit 2. The anticipated commercial operation date for the LEC is June 2012.

An aerial view of the project site taken in August is shown in Figure 1. Additional construction photos taken during the reporting period are provided in Exhibits 3 and 8.

FIGURE 1: AERIAL VIEW OF LEC PROJECT SITE – August 2011

THREE | CONSTRUCTION AND COMMISSIONING ACTIVITIES

Previous reports provided detailed information on the engineering, procurement, and construction activities accomplished during the reporting period. Now that the bulk of the major engineering and procurement activities have been completed, this report focuses on the construction activities that were accomplished during the reporting period. As work on commissioning activities begins, a description of those activities will be incorporated into future reports.

Construction

The following major construction activities were accomplished at the LEC project site during August:

General Activities

- Continued procurement, field fabrication and shop fabrication of aboveground piping
- Completed setting 230Kv Pole

STG Activities

- Completed STG Building HVAC
- Continued STG build LV electrical and STG under-roof electrical
- Completed STG pipe rack foundations
- Continued foundations south of STG building
- Continued STG GSU foundation
- Commenced STG enclosure interior support steel
- Commenced receipt and installation of ST Equipment
- Continued installation of STG miscellaneous pump skids foundations
- Continued installation of steam surface condenser
- Commenced erection of STG pipe support steel
- Mobilized Bigge Crane and prepared mats for receipt and setting of ST generator and turbines

HRSG Activities

- Continued installation of large bore piping & supports
- Continued installation of interconnecting LB piping at the top of HRSG
- Completed installation of lower HRSG interconnecting piping
- Continued installation of HRSG exterior drains
- Continued installation of SB Code piping & supports
- Continued installation of field trim piping
- Completed AG piping
- Continued HRSG lighting
- Completed HRSG Pipe Rack stairs, ladders, platforms and handrails

West Area Activities

- Continued PDC#1 support and cable tray, pull cable, terminations
- Continued PDC#2 support and cable tray, pull cable, terminations
- Completed installation of aux boiler foundation
- Completed installation of 480kv transformer pad next to CTG

Cooling Tower Area

- Completed installation of LB piping south of cooling tower
- Commenced receipt and setting of cooling tower pumps

CTG Area Activities

- Completed erection of generator enclosure building
- Continued setting CTG related mechanical equipment
- Continued CTG piping and electrical
- Continued CTG area structural steel and filter house

Water Treatment Corridor Activities

- Continued Water Treatment Building (WTB) foundations (west and south)
- Completed WTB UG piping
- Continued erection of WTB
- Commenced WTB masonry and erection of WTB skin
- Continued rough set of WTB equipment
- Commenced installation of WTB AG vendor supplied piping

North Area Activities

- Completed installation of raw water line at White Slough
- Continued installation of ISO Phase bust duct, cable and electrical at CT equipment

East Area Activities

- Completed installation of duct bank 0331
- Completed underground pipe east of HRSG and underneath FGC foundations
- Commenced installation of fuel gas area foundations

Key construction activities ***planned for September 2011*** are described below:

General Activities

- Continued procurement, field fabrication and shop fabrication of aboveground piping
- Commence pulling 230Kv Pole cable

STG Activities

- Continue STG build LV electrical
- Continue STG under-roof electrical
- Continue foundations south of STG building
- Complete STG GSU foundation
- Complete STG enclosure interior support steel
- Complete receipt and installation of ST Equipment
- Commence receipt and installation of miscellaneous ST pumps and tanks
- Receive and set condensate polisher systems
- Continued installation of steam surface condenser
- Complete receipt and setting of ST generator and turbines
- Continue STG pipe rack support steel

HRSG Activities

- Complete installation of large bore piping & supports
- Complete installation of interconnecting LB piping at the top of HRSG
- Complete installation of HRSG exterior drains
- Complete installation of SB Code piping & supports
- Continue installation of field trim piping
- Complete HRSG lighting
- Continue AG Piping Supports and Piping

West Area Activities

- Continue PDC#1 support and cable tray, pull cable, terminations
- Continue PDC#2 support and cable tray, pull cable, terminations
- Receive and set auxiliary boiler on foundation
- Commence receipt, shake out, and installation of Auxiliary Boiler steel
- Commence receipt and installation of Boiler feed water pumps A & B
- Backfill and grade West corridor

Cooling Tower Area

- Completed installation of LB piping south of cooling tower
- Complete installation of platform steel, handrail, and grating at cooling tower pump structure
- Drill potable water well

CTG Area Activities

- Continue setting CTG related mechanical equipment
- Continue CTG piping and electrical
- Continue CTG area structural steel and filter house

Water Treatment Corridor Activities

- Continue Water Treatment Building (WTB) foundations (west and south)
- Continue erection of WTB
- Complete WTB masonry
- Continue rough set of WTB equipment and
- Continue installation of WTB AG vendor supplied piping

North Area Activities

- Continue installation of ISO Phase bust duct, cable ,electrical and weld splices at CT equipment

East Area Activities

- Continue installation of fuel gas area foundations
- Commence receipt and installation of fuel gas area equipment

Commissioning

Power plant commissioning activities are expected to begin in October 2011 and will be addressed in future MCRs.

FOUR | COMPLIANCE ACTIVITIES

This section of the monthly compliance report provides input on NCPA's activities related to ensuring that compliance with all the Conditions of Certification as set forth in the CEC's Final Decision for the Lodi Energy Center Project is achieved in a timely and satisfactory manner. The following information is provided per the requirements set forth in Condition of Certification COM-6.

Compliance Matrix

The compliance matrix was updated during the reporting period to reflect the dates that compliance submittals were provided to the CEC and the dates of any approvals by the CBO, CEC CPM, or delegate agency.

Completed Compliance Activities

During August, Monthly Compliance Report #12 was submitted to the CEC CPM, as well as an incident report as required by Condition of Certification WASTE-6. The CEC CPM and several Staff visited the site on August 24.

Required Documents Submitted With This Report

The Final Decision sets forth specific conditions, many of which include reporting requirements that must be addressed in this MCR. The following paragraphs describe the compliance activities that were completed during the August 2011 reporting period:

AQ-SC1: The Air Quality Construction Mitigation Manager (AQCMM) for the project is responsible for directing and documenting compliance with AQ-SC3, AQ-SC4, and AQ-SC5 for the entire project site and linear facility construction. Additional AQCMM delegates will be assigned as needed to cover situations when there are multiple tasks occurring simultaneously that require oversight, extended hours of construction, or when the AQCMM is unavailable. The ACQMM's daily monitoring log is available on site for the CPM's inspection.

AQ-SC2: Construction mitigation measures as set forth in Conditions AQ-SC3, AQ-SC4, and AQ-SC5 as well as in the LEC Air Quality Construction Mitigation Plan were complied with during the reporting period. The AQCMM's monthly report is included in Exhibit 7.

AQ-SC3: Approximately 188,000 gallons of construction water from the White Slough Water Pollution Control Facility were used for dust control purposes. Work activities requiring dust control are more completely described in the AQCMM's monthly report included in Exhibit 7.

AQ-SC4: Dust plume control measures were implemented as necessary and information on their use (if required) is included in the AQCMM's monthly report included in Exhibit 7.

AQ-SC5: A summary of the diesel engine certification information required by this condition is included as part of the AQCMM's monthly report included in Exhibit 7, along with diesel fuel purchase information.

BIO-2: Rick Crowe is the Designated Biologist for the LEC Project. His monthly Biological Resources Mitigation Implementation and Monitoring Report, which provides a summary of the August 2011 construction activities and associated biological monitoring, is included in Exhibit 8.

BIO-5: In accordance with this condition, 65 personnel received the Construction Worker Environmental Awareness Program training during the reporting period, bringing the total trained to date to 1,069. Copies of the worker's certification training and sign-in sheets for the reporting period are included in Exhibit 9.

BIO-6: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how the biological mitigation measures included in the BRMIMP have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 8).

BIO-7: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how the impact avoidance and minimization measures have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 8).

BIO-8: This condition requires that the Designated Biologist/Biological Monitor's provide monthly documentation on how measures to minimize or avoid harassment or harm to sensitive species have been implemented during the monthly reporting period. This information is included in the DB's monthly report (see Exhibit 8).

BIO-9: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of giant garter snake mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-10: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of burrowing owl mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-11: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of Swainson's hawk mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-12: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of migratory bird mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

BIO-13: This condition requires that the Designated Biologist/Biological Monitor's monthly report include a discussion of implementation of northwestern and western pond turtle mitigation and avoidance measures. This information is included in the DB's monthly report (see Exhibit 8).

CIVIL 1-4: Copies of relevant CBO approval letters are provided as part of Exhibit 4.

COM-5: The updated compliance matrix is provided in Exhibit 6.

CUL-5: In accordance with this condition, 65 personnel received the Construction Worker Environmental Awareness Program training during the reporting period, bringing the total trained to date to 1,069. Copies of the worker's certification training and sign-in sheets for the reporting period are included in Exhibit 9.

CUL-6: The Cultural Resources Specialist's monthly summary report is included in Exhibit 8.

GEN-2: To reduce the size of this MCR, the updated list is available for viewing by accessing the LEC Project webpage that has been set up by the CBO.

GEN-3: During August, NCPA made payments to the CBO in the amount of $56,859.00.

GEN-6: Information related to the approval of any special inspectors and fabricators during the reporting period is included in Exhibit 4.

MECH-1: Information related to inspection approvals of any major piping or plumbing mechanical systems is provided in Exhibit 4.

MECH-2: Information related to the inspection approvals of any HVAC and pressure vessel systems is provided in Exhibit 4.

PAL-4: In accordance with this condition, 65 personnel received the Construction Worker Environmental Awareness Program training during the reporting period, bringing the total trained to date to 1,069. Copies of the worker's certification training and sign-in sheets for the reporting period are included in Exhibit 9.

PAL-5: The Paleontological Resource Specialist's monthly report is included in Exhibit 8.

S&W-2: Information related to the implementation of construction SWPPP activities is included in the Air Quality Construction Mitigation Manager's Monthly Report provided in Exhibit 7.

STRUC-1: Copies of relevant CBO approval letters are provided as part of Exhibit 4.

STRUC-2: A log of the Non-Compliance Reports is provided in Exhibit 12.

STRUC-4: Information related to the CBO's approval of any structural inspections is provided in Exhibit 4.

TSE-1: WorleyParsons initial submittal of the master drawing and spec list of the transmission system was approved by the CBO on August 5, 2010. To reduce the size of this MCR, the updated list is available for viewing by accessing the LEC Project webpage that has been set up by the CBO.

TSE-4: This condition requires information related to the following topics: a) receipt or delay of major electrical equipment; b) testing or energization of major electrical equipment; and c) the number of electrical drawings approved, submitted for approval, and still to be submitted. All electrical equipment has been received and testing is underway. Energization of the equipment is expected to occur by year end.

VIS-1: No construction-related lighting complaints were received during the reporting period.

VIS-4: Installation of exterior lighting continues. A request for an onsite inspection by the CEC CPM will be requested once the work is completed.

Worker Safety-3: NCPA's Construction Safety Supervisor's monthly safety report is included in Exhibit 10.

Worker Safety-4: The CBO is providing the services of a Site Safety Monitor who will provide monthly reports on the implementation of all Cal/OSHA and CEC safety requirements. The CBO Safety Monitor's monthly report is included in Exhibit 10.

Submittal Deadlines Not Met

No submittal deadlines were missed during the reporting period.

Approved Changes to Conditions of Certification

NCPA filed a petition in July 19, 2011 with the CEC CPM requesting changes to the project's gas line route. The amendment is required to accommodate final design plans developed by PG&E during the last several months. The Staff issued a Notice recommending approval of the requested modifications on August 30, 2011.

Filings or Permits Issued by Other Governmental Agencies

No filings or permits were issued by other governmental agencies during August.

Projected Compliance Activities for September/October 2011

NCPA will continue to report progress on the compliance activities noted above. In addition, the following compliance documents will continue to be monitored with the CEC or submitted during September/October:

- AQ-61: CEMS Protocol
- HAZ-6: Operations Security Plan
- S&W-7: Well Construction Permit Application to San Joaquin County
- S&W-7: Well Construction Permit from San Joaquin County
- TLSN-5: Metallic Objects Letter of Compliance

Listing of Additions to Onsite Compliance Files During the Reporting Period

Copies of the documents included in the exhibits to this monthly compliance report have been added to the onsite compliance files.

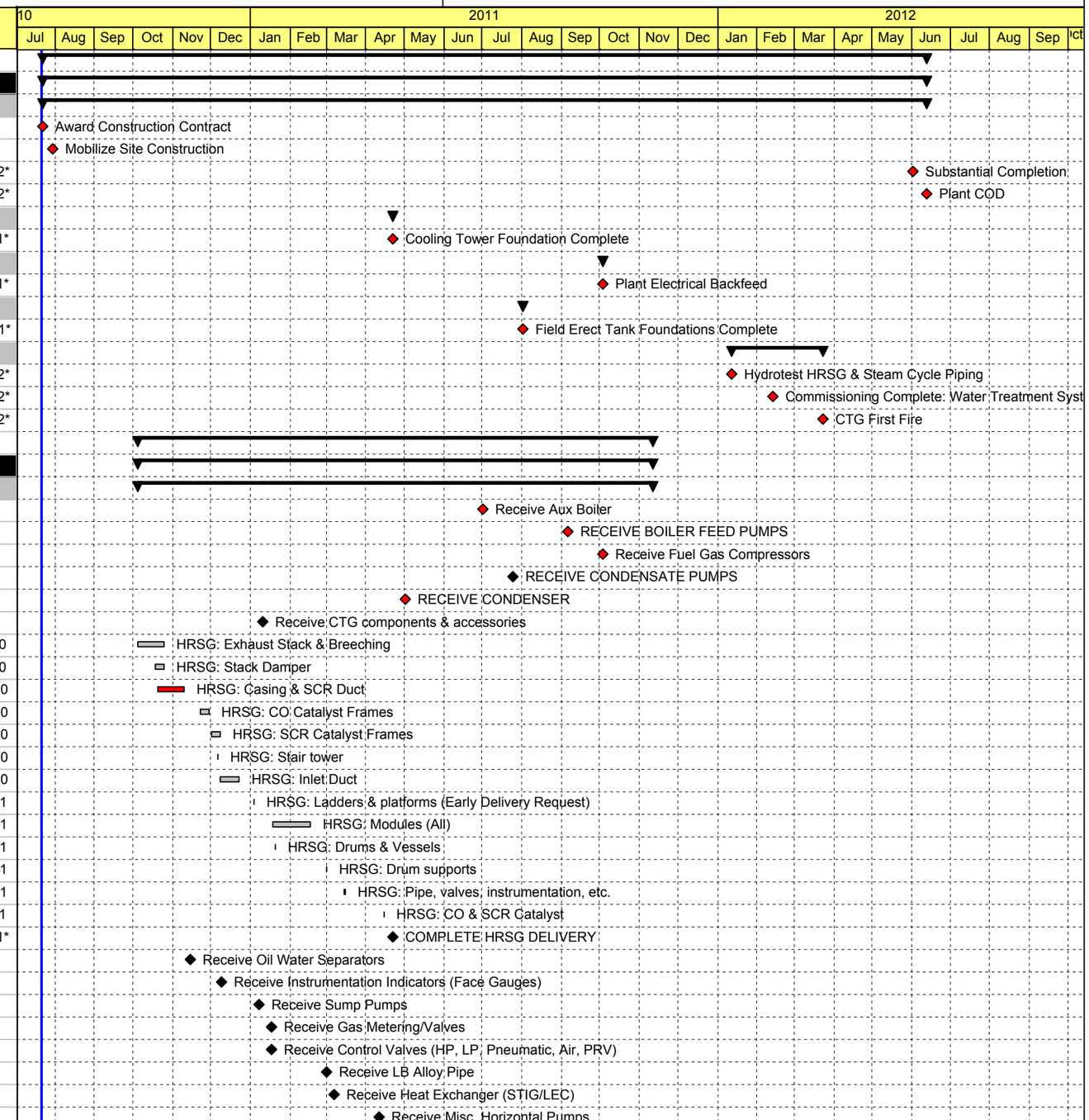
Requests to Dispose of Items Required To Be In Compliance Files

For this reporting period, no requests are being made for the disposal of items listed in the project owner's compliance files.

Exhibit 1

Project Summary Schedule

Activity ID	Activity Name	Original Duration	Start	Finish
Contract Milestones				
Overall/all areas				
General				
MIL100	Award Construction Contract	0	22-Jul-10*	
MIL110	Mobilize Site Construction	0	30-Jul-10*	
MIL330	Substantial Completion	0		01-Jun-12*
MIL331	Plant COD	0		12-Jun-12*
Foundations				
MIL117	Cooling Tower Foundation Complete	0		22-Apr-11*
Electrical				
MIL210	Plant Electrical Backfeed	0		03-Oct-11*
Other				
MIL125	Field Erect Tank Foundations Complete	0		01-Aug-11*
Startup & Commissioning				
MIL195	Hydrotest HRSG & Steam Cycle Piping	0		12-Jan-12*
MIL196	Commissioning Complete: Water Treatment System	0		13-Feb-12*
MIL280	CTG First Fire	0		23-Mar-12*
Equipment Deliveries				
Overall/all areas				
Mechanical Equipment				
DEL210	Receive Aux Boiler	0	01-Jul-11*	
DEL180	RECEIVE BOILER FEED PUMPS	0	06-Sep-11*	
DEL130	Receive Fuel Gas Compressors	0	03-Oct-11*	
DEL220	RECEIVE CONDENSATE PUMPS	0	25-Jul-11*	
DEL190	RECEIVE CONDENSER	0	02-May-11*	
DEL120	Receive CTG components & accessories	0	10-Jan-11*	
DEL162	HRSG: Exhaust Stack & Breeching	16	04-Oct-10*	25-Oct-10
DEL270	HRSG: Stack Damper	6	18-Oct-10*	25-Oct-10
DEL161	HRSG: Casing & SCR Duct	15	20-Oct-10*	09-Nov-10
DEL250	HRSG: CO Catalyst Frames	6	22-Nov-10*	29-Nov-10
DEL260	HRSG: SCR Catalyst Frames	6	01-Dec-10*	08-Dec-10
DEL340	HRSG: Stair tower	1	06-Dec-10*	06-Dec-10
DEL280	HRSG: Inlet Duct	11	08-Dec-10*	22-Dec-10
DEL330	HRSG: Ladders & platforms (Early Delivery Request)	1	03-Jan-11*	03-Jan-11
DEL163	HRSG: Modules (All)	22	18-Jan-11*	16-Feb-11
DEL290	HRSG: Drums & Vessels	1	20-Jan-11*	20-Jan-11
DEL300	HRSG: Drum supports	1	01-Mar-11*	01-Mar-11
DEL310	HRSG: Pipe, valves, instrumentation, etc.	1	15-Mar-11*	15-Mar-11
DEL320	HRSG: CO & SCR Catalyst	1	15-Apr-11*	15-Apr-11
DEL160	COMPLETE HRSG DELIVERY	0		22-Apr-11*
DEL115	Receive Oil Water Separators	0	15-Nov-10*	
DEL640	Receive Instrumentation Indicators (Face Gauges)	0	09-Dec-10*	
DEL510	Receive Sump Pumps	0	07-Jan-11*	
DEL530	Receive Gas Metering/Valves	0	17-Jan-11*	
DEL570	Receive Control Valves (HP, LP, Pneumatic, Air, PRV)	0	17-Jan-11*	
DEL550	Receive LB Alloy Pipe	0	01-Mar-11*	
DEL410	Receive Heat Exchanger (STIG/LEC)	0	07-Mar-11*	
DEL450	Receive Misc. Horizontal Pumps	0	11-Apr-11*	



Remaining Summary (LOE) | Critical Remaining Work | Milestone
Remaining Work | Critical Milestone | Summary

TASK filters: NCPA - Detailed CS, NCPA DCS.

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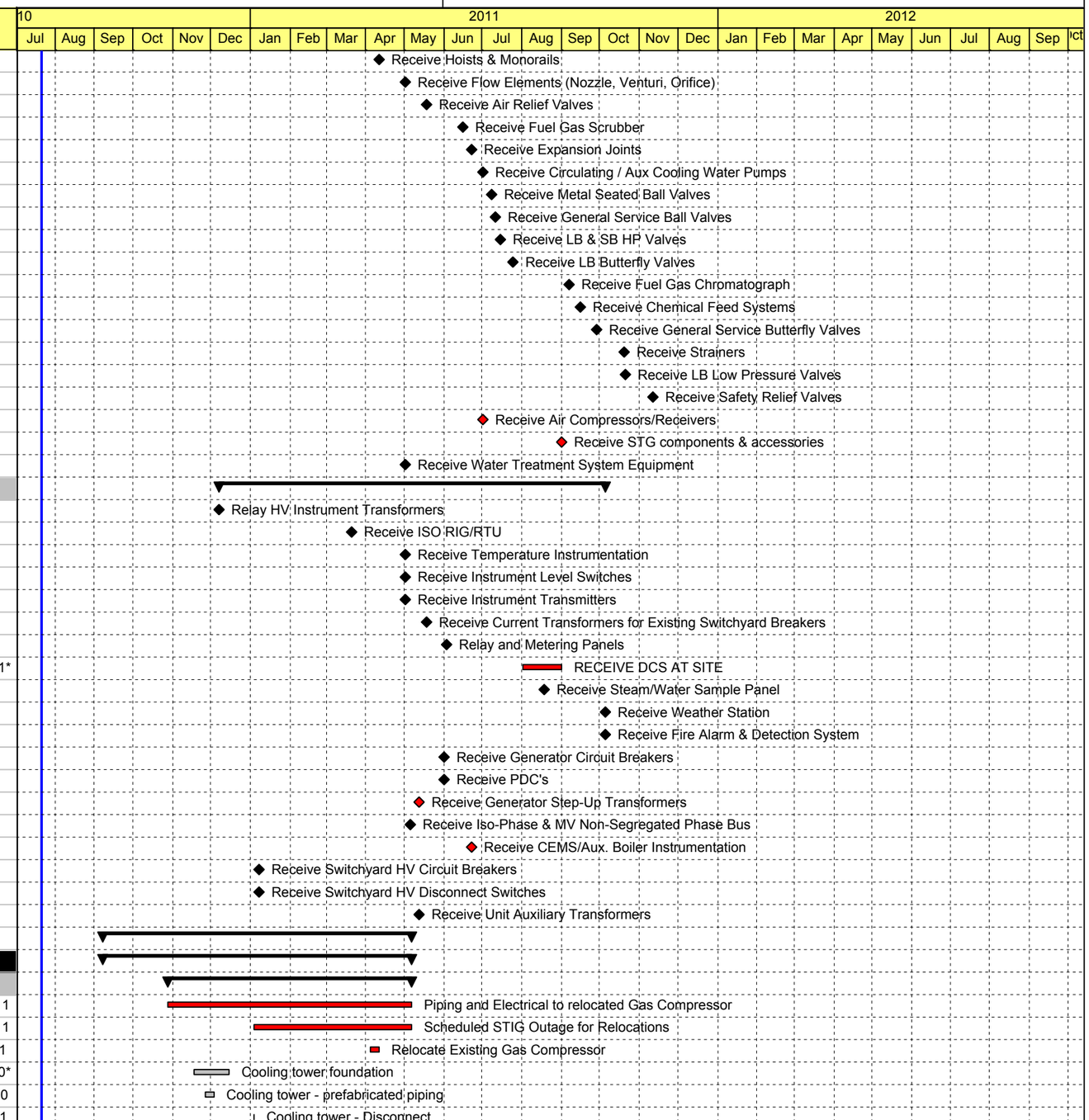
Activity ID	Activity Name	Original Duration	Start	Finish
DEL620	Receive Hoists & Monorails	0	11-Apr-11*	
DEL580	Receive Flow Elements (Nozzle, Venturi, Orifice)	0	02-May-11*	
DEL660	Receive Air Relief Valves	0	18-May-11*	
DEL350	Receive Fuel Gas Scrubber	0	16-Jun-11*	
DEL540	Receive Expansion Joints	0	23-Jun-11*	
DEL360	Receive Circulating / Aux Cooling Water Pumps	0	01-Jul-11*	
DEL520	Receive Metal Seated Ball Valves	0	08-Jul-11*	
DEL470	Receive General Service Ball Valves	0	11-Jul-11*	
DEL390	Receive LB & SB HP Valves	0	15-Jul-11*	
DEL430	Receive LB Butterfly Valves	0	25-Jul-11*	
DEL560	Receive Fuel Gas Chromatograph	0	07-Sep-11*	
DEL400	Receive Chemical Feed Systems	0	16-Sep-11*	
DEL480	Receive General Service Butterfly Valves	0	28-Sep-11*	
DEL380	Receive Strainers	0	20-Oct-11*	
DEL490	Receive LB Low Pressure Valves	0	21-Oct-11*	
DEL500	Receive Safety Relief Valves	0	11-Nov-11*	
DEL230	Receive Air Compressors/Receivers	0	01-Jul-11*	
DEL200	Receive STG components & accessories	0	01-Sep-11*	
DEL110	Receive Water Treatment System Equipment	0	02-May-11*	
Electrical				
DEL440	Relay HV Instrument Transformers	0	07-Dec-10*	
DEL650	Receive ISO RIG/RTU	0	21-Mar-11*	
DEL590	Receive Temperature Instrumentation	0	02-May-11*	
DEL600	Receive Instrument Level Switches	0	02-May-11*	
DEL610	Receive Instrument Transmitters	0	02-May-11*	
DEL670	Receive Current Transformers for Existing Switchyard Breakers	0	18-May-11*	
DEL420	Relay and Metering Panels	0	03-Jun-11*	
DEL150	RECEIVE DCS AT SITE	23	02-Aug-11*	01-Sep-11*
DEL370	Receive Steam/Water Sample Panel	0	18-Aug-11*	
DEL460	Receive Weather Station	0	05-Oct-11*	
DEL630	Receive Fire Alarm & Detection System	0	05-Oct-11*	
DEL142	Receive Generator Circuit Breakers	0	01-Jun-11*	
DEL170	Receive PDC's	0	01-Jun-11*	
DEL140	Receive Generator Step-Up Transformers	0	12-May-11*	
DEL144	Receive Iso-Phase & MV Non-Segregated Phase Bus	0	06-May-11*	
DEL240	Receive CEMS/Aux. Boiler Instrumentation	0	23-Jun-11*	
DEL143	Receive Switchyard HV Circuit Breakers	0	07-Jan-11*	
DEL145	Receive Switchyard HV Disconnect Switches	0	07-Jan-11*	
DEL141	Receive Unit Auxiliary Transformers	0	12-May-11*	
Existing Equipment Demo & Relocation				
Water Treatment Corridor				
General				
REL160	Piping and Electrical to relocated Gas Compressor	137	28-Oct-10*	06-May-11
REL510	Scheduled STIG Outage for Relocations	90	03-Jan-11*	06-May-11
REL150	Relocate Existing Gas Compressor	6	04-Apr-11*	11-Apr-11
REL180	Cooling tower foundation	20	17-Nov-10	14-Dec-10*
REL190	Cooling tower - prefabricated piping	6	26-Nov-10	03-Dec-10
REL200	Cooling tower - Disconnect	1	03-Jan-11*	03-Jan-11



Remaining Summary (LOE) | Critical Remaining Work | Milestone
Remaining Work | Critical Milestone | Summary

TASK filters: NCPA - Detailed CS, NCPA DCS.

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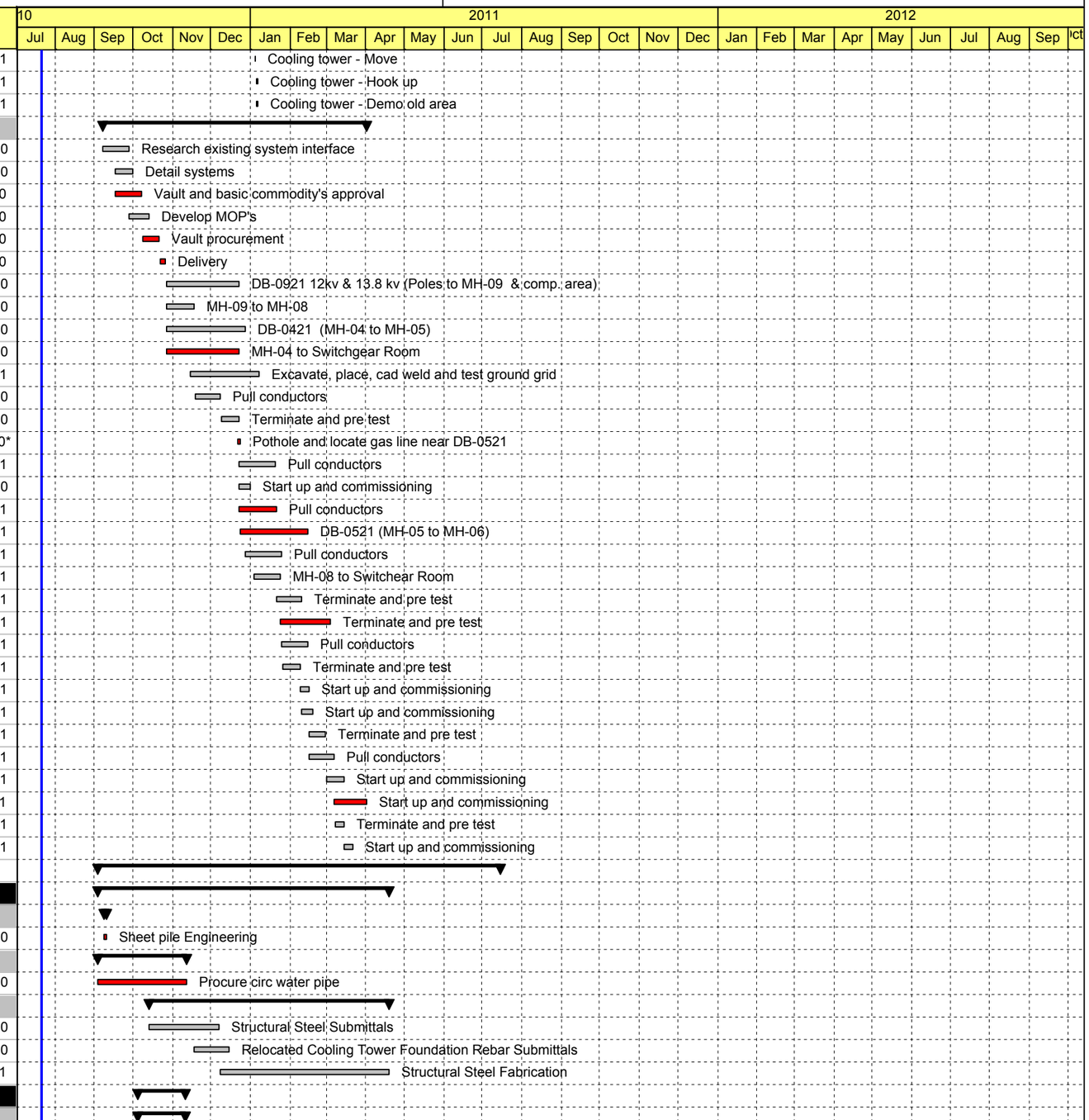
Activity ID	Activity Name	Original Duration	Start	Finish
REL210	Cooling tower - Move	1	04-Jan-11	04-Jan-11
REL220	Cooling tower - Hook up	2	05-Jan-11	06-Jan-11
REL230	Cooling tower - Demo old area	2	05-Jan-11	06-Jan-11
Electrical				
REL200_3	Research existing system interface	15	07-Sep-10*	27-Sep-10
REL200_2	Detail systems	10	17-Sep-10	30-Sep-10
REL200_5	Vault and basic commodity's approval	15	17-Sep-10	07-Oct-10
REL200_4	Develop MOP's	12	28-Sep-10	13-Oct-10
REL200_6	Vault procurement	10	08-Oct-10	21-Oct-10
REL200_7	Delivery	3	22-Oct-10	26-Oct-10
REL200_8	DB-0921 12kv & 13.8 kv (Poles to MH-09 & comp. area)	41	27-Oct-10	22-Dec-10
REL200_12	MH-09 to MH-08	16	27-Oct-10	17-Nov-10
REL200_24	DB-0421 (MH-04 to MH-05)	44	27-Oct-10	27-Dec-10
REL200_28	MH-04 to Switchgear Room	41	27-Oct-10	22-Dec-10
REL200_32	Excavate, place, cad weld and test ground grid	40	15-Nov-10*	07-Jan-11
REL200_13	Pull conductors	15	18-Nov-10	08-Dec-10
REL200_14	Terminate and pre test	10	09-Dec-10	22-Dec-10
REL200_42	Pothole and locate gas line near DB-0521	2	22-Dec-10	23-Dec-10*
REL200_9	Pull conductors	21	23-Dec-10	20-Jan-11
REL200_15	Start up and commissioning	7	23-Dec-10	31-Dec-10
REL200_29	Pull conductors	22	23-Dec-10	21-Jan-11
CON4910	DB-0521 (MH-05 to MH-06)	37	24-Dec-10	14-Feb-11
REL200_25	Pull conductors	21	28-Dec-10	25-Jan-11
REL200_16	MH-08 to Switchear Room	16	03-Jan-11	24-Jan-11
REL200_10	Terminate and pre test	14	21-Jan-11	09-Feb-11
REL200_30	Terminate and pre test	30	24-Jan-11	04-Mar-11
REL200_17	Pull conductors	15	25-Jan-11	14-Feb-11
REL200_26	Terminate and pre test	10	26-Jan-11	08-Feb-11
REL200_27	Start up and commissioning	5	09-Feb-11	15-Feb-11
REL200_11	Start up and commissioning	7	10-Feb-11	18-Feb-11
REL200_18	Terminate and pre test	10	15-Feb-11	28-Feb-11
REL200_21	Pull conductors	15	15-Feb-11	07-Mar-11
REL200_19	Start up and commissioning	10	01-Mar-11	14-Mar-11
REL200_31	Start up and commissioning	20	07-Mar-11	01-Apr-11
REL200_22	Terminate and pre test	5	08-Mar-11	14-Mar-11
REL200_23	Start up and commissioning	5	15-Mar-11	21-Mar-11
Construction Procurement				
Overall/all areas				
Civil				
CON4290	Sheet pile Engineering	3	08-Sep-10	10-Sep-10
Piping - Underground				
CON070	Procure circ water pipe	50	03-Sep-10	11-Nov-10
Structural Steel				
CON4250	Structural Steel Submittals	40	13-Oct-10	07-Dec-10
CON4270	Relocated Cooling Tower Foundation Rebar Submittals	20	17-Nov-10	14-Dec-10
CON4240	Structural Steel Fabrication	95	08-Dec-10	19-Apr-11
CTG Area				
Piping - Underground				



Remaining Summary (LOE) | Critical Remaining Work | Milestone
Remaining Work | Critical Milestone | Summary

TASK filters: NCPA - Detailed CS, NCPA DCS.

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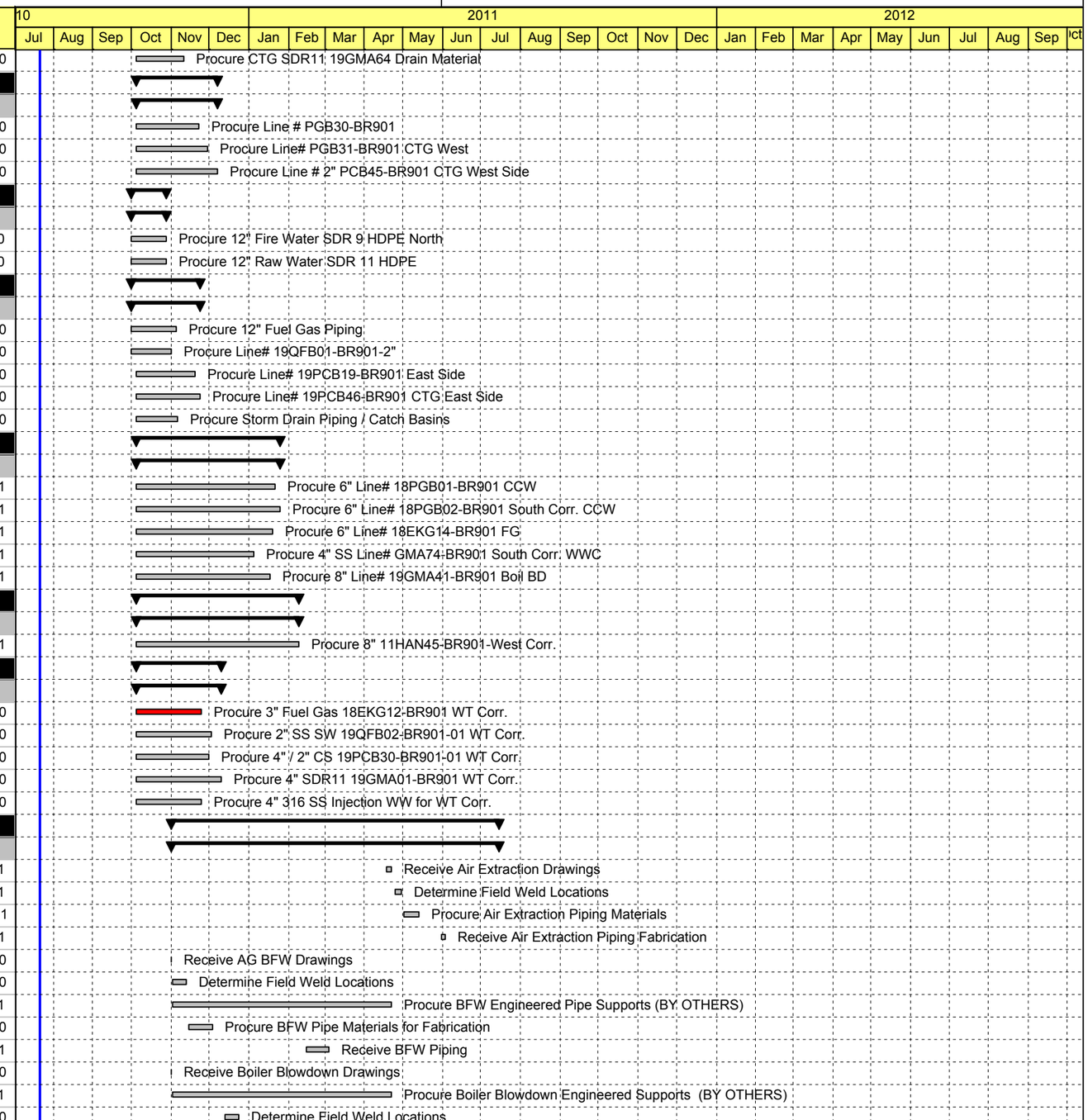
Activity ID	Activity Name	Original Duration	Start	Finish
CON_UG_006	Procure CTG SDR11 19GMA64 Drain Material	28	04-Oct-10*	10-Nov-10
CTG (West)				
Piping - Underground				
CON_UG_039	Procure Line # PGB30-BR901	36	04-Oct-10*	22-Nov-10
CON_UG_042	Procure Line# PGB31-BR901 CTG West	39	04-Oct-10*	29-Nov-10
CON_UG_045	Procure Line # 2" PCB45-BR901 CTG West Side	45	04-Oct-10*	07-Dec-10
North Area				
Piping - Underground				
CON_UG_010	Procure 12" Fire Water SDR 9 HDPE North	20	01-Oct-10*	28-Oct-10
CON_UG_013	Procure 12" Raw Water SDR 11 HDPE	20	01-Oct-10*	28-Oct-10
East Area				
Piping - Underground				
CON_UG_023	Procure 12" Fuel Gas Piping	25	01-Oct-10*	04-Nov-10
CON_UG_028	Procure Line# 19QFB01-BR901-2"	22	01-Oct-10*	01-Nov-10
CON_UG_031	Procure Line# 19PCB19-BR901 East Side	35	04-Oct-10*	19-Nov-10
CON_UG_034	Procure Line# 19PCB46-BR901 CTG East Side	37	04-Oct-10*	23-Nov-10
CON_UG_021	Procure Storm Drain Piping / Catch Basins	25	04-Oct-10*	05-Nov-10
South Corridor				
Piping - Underground				
CON_UG_150	Procure 6" Line# 18PGB01-BR901 CCW	76	04-Oct-10*	21-Jan-11
CON_UG_153	Procure 6" Line# 18PGB02-BR901 South Corr. CCW	78	04-Oct-10*	25-Jan-11
CON_UG_147	Procure 6" Line# 18EKG14-BR901 FG	74	04-Oct-10*	19-Jan-11
CON_UG_138	Procure 4" SS Line# GMA74-BR901 South Corr. WWC	63	04-Oct-10*	04-Jan-11
CON_UG_144	Procure 8" Line# 19GMA41-BR901 Boil BD	72	04-Oct-10*	17-Jan-11
West Corridor				
Piping - Underground				
CON_UG_077	Procure 8" 11HAN45-BR901-West Corr.	88	04-Oct-10*	08-Feb-11
Water Treatment Corridor				
Piping - Underground				
CON_UG_097	Procure 3" Fuel Gas 18EKG12-BR901 WT Corr.	38	04-Oct-10*	24-Nov-10
CON_UG_103	Procure 2" SS SW 19QFB02-BR901-01 WT Corr.	42	04-Oct-10*	02-Dec-10
CON_UG_106	Procure 4" / 2" CS 19PCB30-BR901-01 WT Corr.	40	04-Oct-10*	30-Nov-10
CON_UG_109	Procure 4" SDR11 19GMA01-BR901 WT Corr.	48	04-Oct-10*	10-Dec-10
CON_UG_100	Procure 4" 316 SS Injection WW for WT Corr.	38	04-Oct-10*	24-Nov-10
Above Ground Pipe				
Piping - Above Ground				
CON_AG_73	Receive Air Extraction Drawings	5	18-Apr-11*	22-Apr-11
CON_AG_74	Determine Field Weld Locations	5	25-Apr-11	29-Apr-11
CON_AG_75	Procure Air Extraction Piping Materials	10	02-May-11	13-May-11
CON_AG_77	Receive Air Extraction Piping Fabrication	4	31-May-11	03-Jun-11
CON_AG_10	Receive AG BFW Drawings	1	01-Nov-10*	01-Nov-10
CON_AG_11	Determine Field Weld Locations	9	02-Nov-10	12-Nov-10
CON_AG_12	Procure BFW Engineered Pipe Supports (BY OTHERS)	120	02-Nov-10	22-Apr-11
CON_AG_13	Procure BFW Pipe Materials for Fabrication	13	15-Nov-10	03-Dec-10
CON_AG_15	Receive BFW Piping	15	14-Feb-11*	04-Mar-11
CON_AG_26	Receive Boiler Blowdown Drawings	1	01-Nov-10*	01-Nov-10
CON_AG_28	Procure Boiler Blowdown Engineered Supports (BY OTHERS)	120	02-Nov-10	22-Apr-11
CON_AG_27	Determine Field Weld Locations	9	13-Dec-10*	23-Dec-10



Remaining Summary (LOE) | Critical Remaining Work | Milestone
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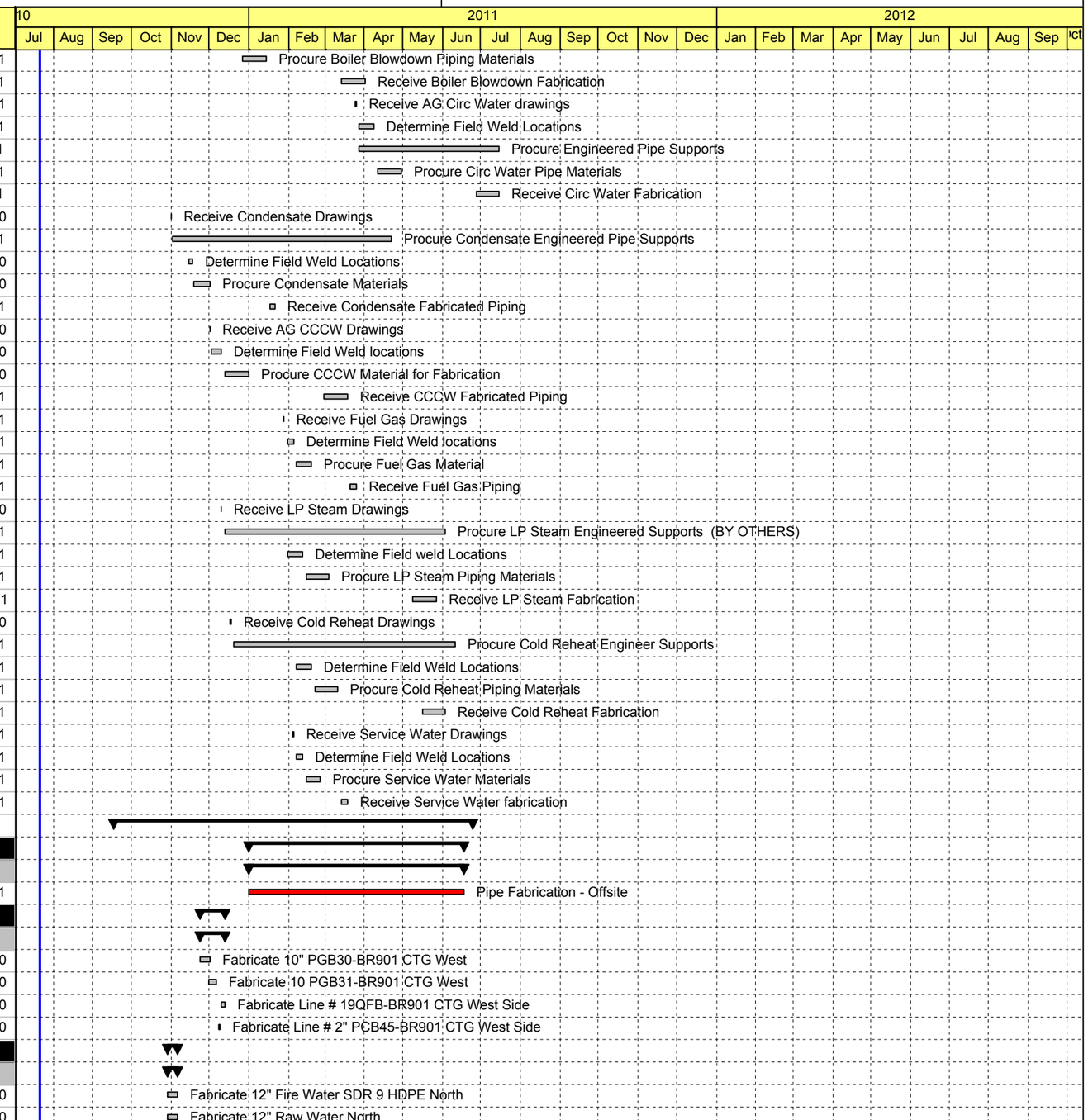
Activity ID	Activity Name	Original Duration	Start	Finish
CON_AG_29	Procure Boiler Blowdown Piping Materials	14	27-Dec-10	14-Jan-11
CON_AG_31	Receive Boiler Blowdown Fabrication	15	14-Mar-11	01-Apr-11
CON_AG_65	Receive AG Circ Water drawings	1	25-Mar-11*	25-Mar-11
CON_AG_66	Determine Field Weld Locations	10	28-Mar-11	08-Apr-11
CON_AG_67	Procure Engineered Pipe Supports	78	28-Mar-11	15-Jul-11
CON_AG_68	Procure Circ Water Pipe Materials	15	11-Apr-11	29-Apr-11
CON_AG_70	Receive Circ Water Fabrication	14	27-Jun-11	15-Jul-11
CON_AG_18	Receive Condensate Drawings	1	01-Nov-10*	01-Nov-10
CON_AG_21	Procure Condensate Engineered Pipe Supports	120	02-Nov-10	22-Apr-11
CON_AG_19	Determine Field Weld Locations	3	15-Nov-10	17-Nov-10
CON_AG_20	Procure Condensate Materials	8	18-Nov-10	01-Dec-10
CON_AG_23	Receive Condensate Fabricated Piping	5	17-Jan-11	21-Jan-11
CON_AG_03	Receive AG CCCW Drawings	1	01-Dec-10*	01-Dec-10
CON_AG_04	Determine Field Weld locations	7	02-Dec-10	10-Dec-10
CON_AG_05	Procure CCCW Material for Fabrication	14	13-Dec-10	31-Dec-10
CON_AG_07	Receive CCCW Fabricated Piping	15	28-Feb-11	18-Mar-11
CON_AG_34	Receive Fuel Gas Drawings	1	28-Jan-11*	28-Jan-11
CON_AG_35	Determine Field Weld locations	5	31-Jan-11	04-Feb-11
CON_AG_36	Procure Fuel Gas Material	10	07-Feb-11	18-Feb-11
CON_AG_38	Receive Fuel Gas Piping	5	21-Mar-11	25-Mar-11
CON_AG_48	Receive LP Steam Drawings	1	10-Dec-10*	10-Dec-10
CON_AG_50	Procure LP Steam Engineered Supports (BY OTHERS)	122	13-Dec-10	03-Jun-11
CON_AG_49	Determine Field weld Locations	10	31-Jan-11*	11-Feb-11
CON_AG_51	Procure LP Steam Piping Materials	15	14-Feb-11	04-Mar-11
CON_AG_53	Receive LP Steam Fabrication	15	09-May-11	27-May-11
CON_AG_56	Receive Cold Reheat Drawings	1	17-Dec-10*	17-Dec-10
CON_AG_58	Procure Cold Reheat Engineer Supports	122	20-Dec-10	10-Jun-11
CON_AG_57	Determine Field Weld Locations	10	07-Feb-11*	18-Feb-11
CON_AG_59	Procure Cold Reheat Piping Materials	15	21-Feb-11	11-Mar-11
CON_AG_61	Receive Cold Reheat Fabrication	14	16-May-11	03-Jun-11
CON_AG_41	Receive Service Water Drawings	1	04-Feb-11*	04-Feb-11
CON_AG_42	Determine Field Weld Locations	5	07-Feb-11	11-Feb-11
CON_AG_43	Procure Service Water Materials	10	14-Feb-11	25-Feb-11
CON_AG_45	Receive Service Water fabrication	5	14-Mar-11	18-Mar-11
Fabrication				
Overall/all areas				
Piping - Above Ground				
CON1320	Pipe Fabrication - Offsite	121	31-Dec-10	17-Jun-11
CTG (West)				
Piping - Underground				
CON_UG_040	Fabricate 10" PGB30-BR901 CTG West	5	23-Nov-10	01-Dec-10
CON_UG_043	Fabricate 10 PGB31-BR901 CTG West	5	30-Nov-10	06-Dec-10
CON_UG_048	Fabricate Line # 19QFB-BR901 CTG West Side	2	10-Dec-10	13-Dec-10
CON_UG_046	Fabricate Line # 2" PCB45-BR901 CTG West Side	2	08-Dec-10	09-Dec-10
North Area				
Piping - Underground				
CON_UG_011	Fabricate 12" Fire Water SDR 9 HDPE North	6	29-Oct-10	05-Nov-10
CON_UG_014	Fabricate 12" Raw Water North	6	29-Oct-10	05-Nov-10



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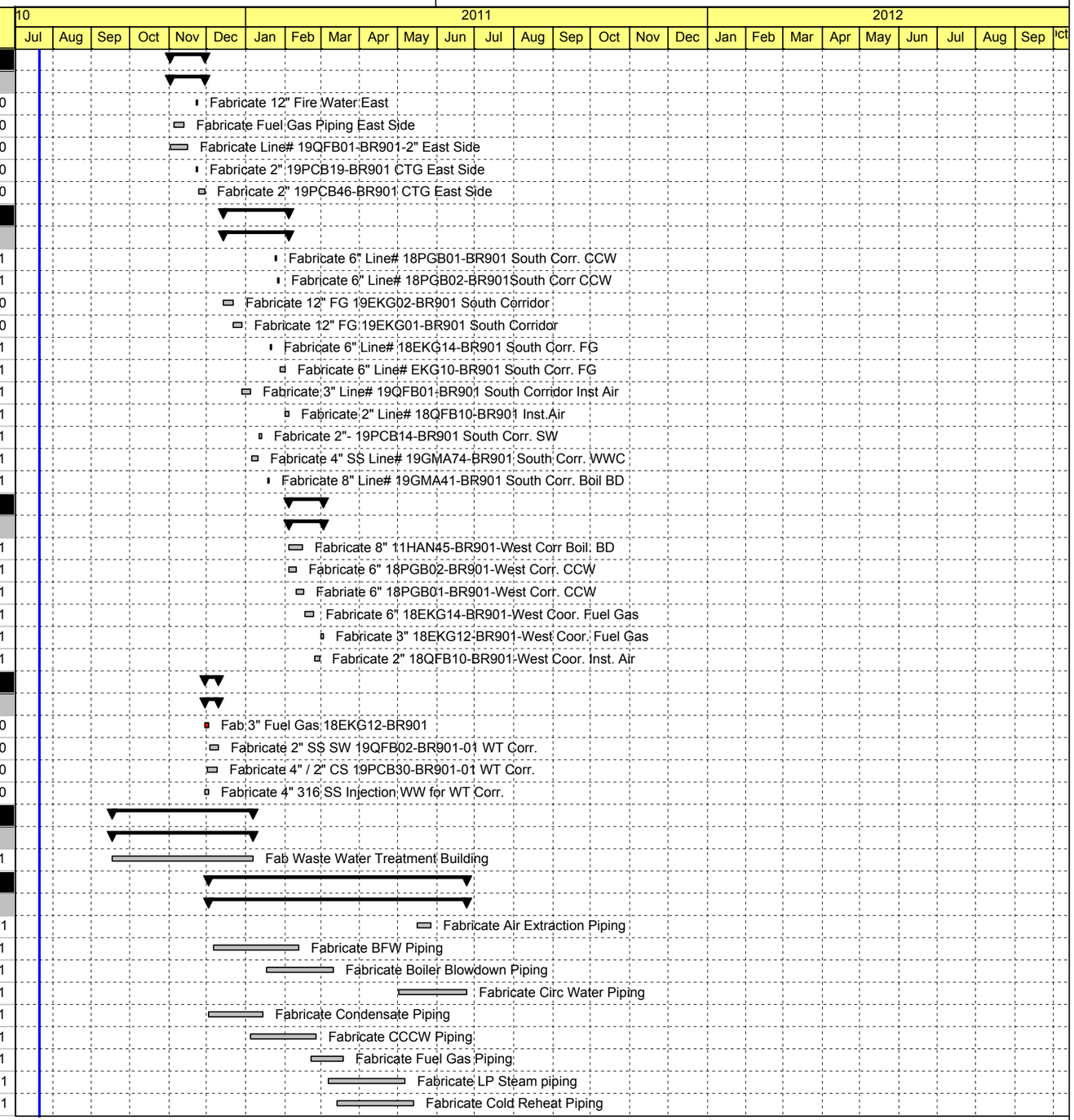
Activity ID	Activity Name	Original Duration	Start	Finish
East Area				
Piping - Underground				
CON_UG_024	Fabricate 12" Fire Water East	2	22-Nov-10	23-Nov-10
CON_UG_026	Fabricate Fuel Gas Piping East Side	6	05-Nov-10	12-Nov-10
CON_UG_029	Fabricate Line# 19QFB01-BR901-2" East Side	10	02-Nov-10	15-Nov-10
CON_UG_032	Fabricate 2" 19PCB19-BR901 CTG East Side	2	22-Nov-10	23-Nov-10
CON_UG_035	Fabricate 2" 19PCB46-BR901 CTG East Side	2	24-Nov-10	29-Nov-10
South Corridor				
Piping - Underground				
CON_UG_151	Fabricate 6" Line# 18PGB01-BR901 South Corr. CCW	2	24-Jan-11	25-Jan-11
CON_UG_154	Fabricate 6" Line# 18PGB02-BR901South Corr CCW	2	26-Jan-11	27-Jan-11
CON_UG_129	Fabricate 12" FG 19EKG02-BR901 South Corridor	6	14-Dec-10	21-Dec-10
CON_UG_131	Fabricate 12" FG 19EKG01-BR901 South Corridor	4	22-Dec-10	28-Dec-10
CON_UG_148	Fabricate 6" Line# 18EKG14-BR901 South Corr. FG	2	20-Jan-11	21-Jan-11
CON_UG_156	Fabricate 6" Line# EKG10-BR901 South Corr. FG	2	28-Jan-11	31-Jan-11
CON_UG_136	Fabricate 3" Line# 19QFB01-BR901 South Corridor Inst Air	4	29-Dec-10	04-Jan-11
CON_UG_158	Fabricate 2" Line# 18QFB10-BR901 Inst.Air	3	01-Feb-11	03-Feb-11
CON_UG_141	Fabricate 2"- 19PCB14-BR901 South Corr. SW	3	11-Jan-11	13-Jan-11
CON_UG_139	Fabricate 4" SS Line# 19GMA74-BR901 South Corr. WWC	4	05-Jan-11	10-Jan-11
CON_UG_145	Fabricate 8" Line# 19GMA41-BR901 South Corr. Boil BD	2	18-Jan-11	19-Jan-11
West Corridor				
Piping - Underground				
CON_UG_078	Fabricate 8" 11HAN45-BR901-West Corr Boil. BD	7	04-Feb-11	14-Feb-11
CON_UG_081	Fabricate 6" 18PGB02-BR901-West Corr. CCW	4	04-Feb-11	09-Feb-11
CON_UG_083	Fabriate 6" 18PGB01-BR901-West Corr. CCW	4	10-Feb-11	15-Feb-11
CON_UG_085	Fabricate 6" 18EKG14-BR901-West Coor. Fuel Gas	6	16-Feb-11	23-Feb-11
CON_UG_089	Fabricate 3" 18EKG12-BR901-West Coor. Fuel Gas	3	01-Mar-11	03-Mar-11
CON_UG_087	Fabricate 2" 18QFB10-BR901-West Coor. Inst. Air	3	24-Feb-11	28-Feb-11
Water Treatment Corridor				
Piping - Underground				
CON_UG_098	Fab 3" Fuel Gas 18EKG12-BR901	4	29-Nov-10	02-Dec-10
CON_UG_104	Fabricate 2" SS SW 19QFB02-BR901-01 WT Corr.	6	03-Dec-10	10-Dec-10
CON_UG_107	Fabricate 4" / 2" CS 19PCB30-BR901-01 WT Corr.	7	01-Dec-10	09-Dec-10
CON_UG_101	Fabricate 4" 316 SS Injection WW for WT Corr.	4	29-Nov-10	02-Dec-10
Water Treatment Building				
Structures/Buildings				
CON890	Fab Waste Water Treatment Building	80	17-Sep-10	06-Jan-11
Above Ground Pipe				
Piping - Above Ground				
CON_AG_76	Fabricate Air Extraction Piping	10	16-May-11	27-May-11
CON_AG_14	Fabricate BFW Piping	48	06-Dec-10	11-Feb-11
CON_AG_30	Fabricate Boiler Blowdown Piping	40	17-Jan-11	11-Mar-11
CON_AG_69	Fabricate Circ Water Piping	39	02-May-11	24-Jun-11
CON_AG_22	Fabricate Condensate Piping	30	02-Dec-10	14-Jan-11
CON_AG_06	Fabricate CCCW Piping	39	04-Jan-11	25-Feb-11
CON_AG_37	Fabricate Fuel Gas Piping	20	21-Feb-11	18-Mar-11
CON_AG_52	Fabricate LP Steam piping	45	07-Mar-11	06-May-11
CON_AG_60	Fabricate Cold Reheat Piping	45	14-Mar-11	13-May-11



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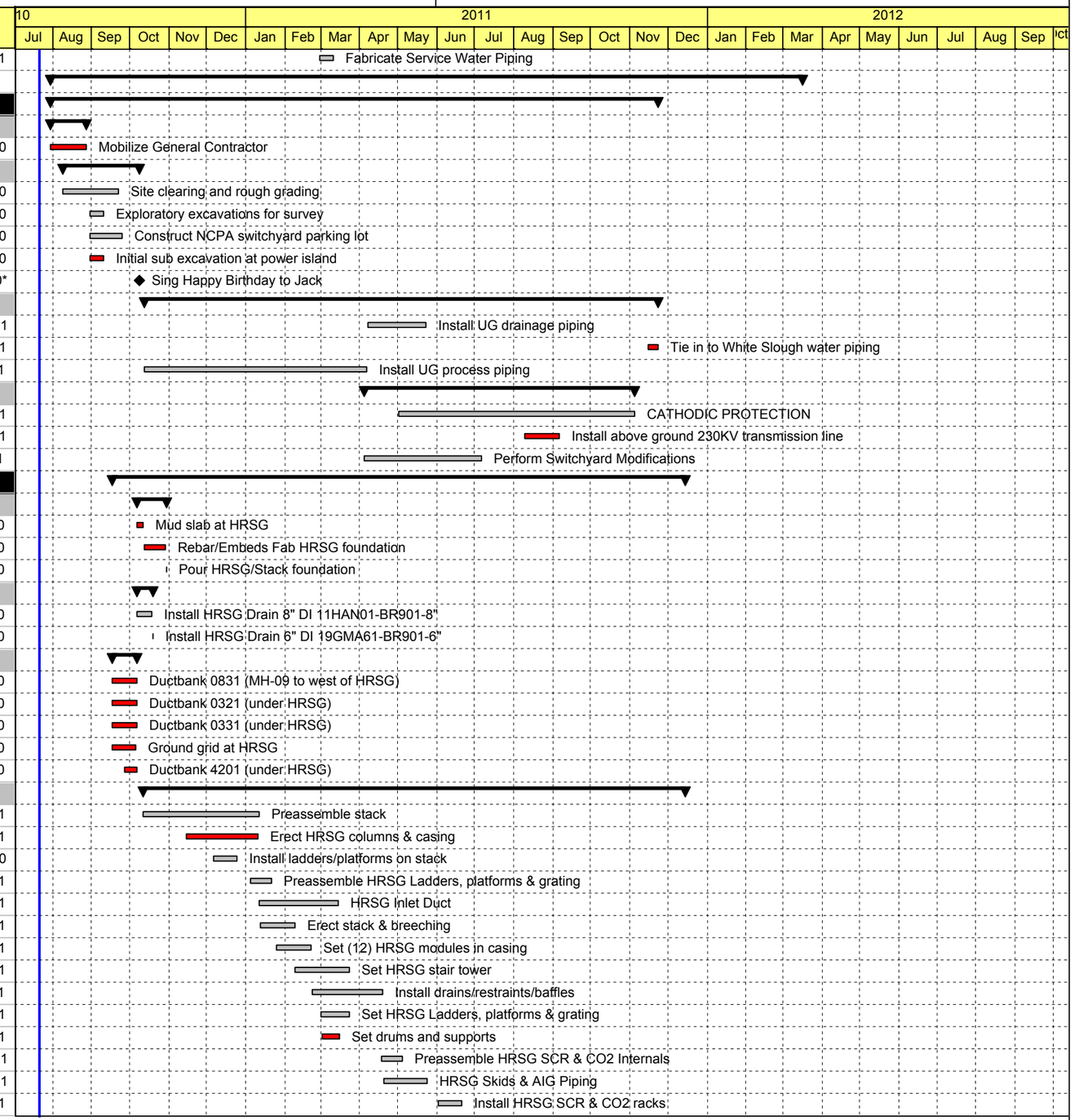
Activity ID	Activity Name	Original Duration	Start	Finish
CON_AG_44	Fabricate Service Water Piping	10	28-Feb-11	11-Mar-11
Plant Construction				
Overall/all areas				
General				
CON050	Mobilize General Contractor	21	30-Jul-10	27-Aug-10
Civil				
CON100	Site clearing and rough grading	32	09-Aug-10	21-Sep-10
CON101	Exploratory excavations for survey	10	30-Aug-10	10-Sep-10
CON105	Construct NCPA switchyard parking lot	20	30-Aug-10	24-Sep-10
CON4160	Initial sub excavation at power island	10	30-Aug-10	10-Sep-10
CON4280	Sing Happy Birthday to Jack	0		08-Oct-10*
Piping - Underground				
CON140	Install UG drainage piping	33	07-Apr-11	23-May-11
CON360	Tie in to White Slough water piping	7	15-Nov-11	23-Nov-11
CON120	Install UG process piping	127	12-Oct-10	06-Apr-11
Electrical				
CON1290	CATHODIC PROTECTION	135	02-May-11*	04-Nov-11
CON320	Install above ground 230KV transmission line	20	09-Aug-11	05-Sep-11
CON240	Perform Switchyard Modifications	68	04-Apr-11	06-Jul-11
HRSG Area				
Foundations				
CON4170	Mud slab at HRSG	4	06-Oct-10	11-Oct-10
CON760	Rebar/Embeds Fab HRSG foundation	14	12-Oct-10	29-Oct-10
CON111	Pour HRSG/Stack foundation	1	30-Oct-10	30-Oct-10
Piping - Underground				
CON_UG_002	Install HRSG Drain 8" DI 11HAN01-BR901-8"	9	06-Oct-10	18-Oct-10
CON_UG_003	Install HRSG Drain 6" DI 19GMA61-BR901-6"	1	19-Oct-10	19-Oct-10
Ductbanks/Manholes/Ground Grid				
CON4110	Ductbank 0831 (MH-09 to west of HRSG)	13	17-Sep-10	06-Oct-10
CON4120	Ductbank 0321 (under HRSG)	13	17-Sep-10	06-Oct-10
CON4130	Ductbank 0331 (under HRSG)	13	17-Sep-10	06-Oct-10
CON4320	Ground grid at HRSG	13	17-Sep-10	05-Oct-10
CON4300	Ductbank 4201 (under HRSG)	7	27-Sep-10	06-Oct-10
Mechanical Equipment				
CON251	Preassemble stack	67	11-Oct-10	11-Jan-11
CON252	Erect HRSG columns & casing	41	15-Nov-10	10-Jan-11
CON4360	Install ladders/platforms on stack	15	06-Dec-10	24-Dec-10
CON4370	Preassemble HRSG Ladders, platforms & grating	14	04-Jan-11	21-Jan-11
CON1820	HRSG Inlet Duct	45	11-Jan-11	14-Mar-11
CON4350	Erect stack & breeching	20	12-Jan-11	08-Feb-11
CON253	Set (12) HRSG modules in casing	20	25-Jan-11	21-Feb-11
CON264	Set HRSG stair tower	31	09-Feb-11	23-Mar-11
CON1830	Install drains/restraints/baffles	41	22-Feb-11	19-Apr-11
CON4340	Set HRSG Ladders, platforms & grating	17	01-Mar-11	23-Mar-11
CON254	Set drums and supports	10	02-Mar-11	15-Mar-11
CON1890	Preassemble HRSG SCR & CO2 Internals	13	18-Apr-11	04-May-11
CON1880	HRSG Skids & AIG Piping	25	20-Apr-11	24-May-11
CON4380	Install HRSG SCR & CO2 racks	13	02-Jun-11	20-Jun-11



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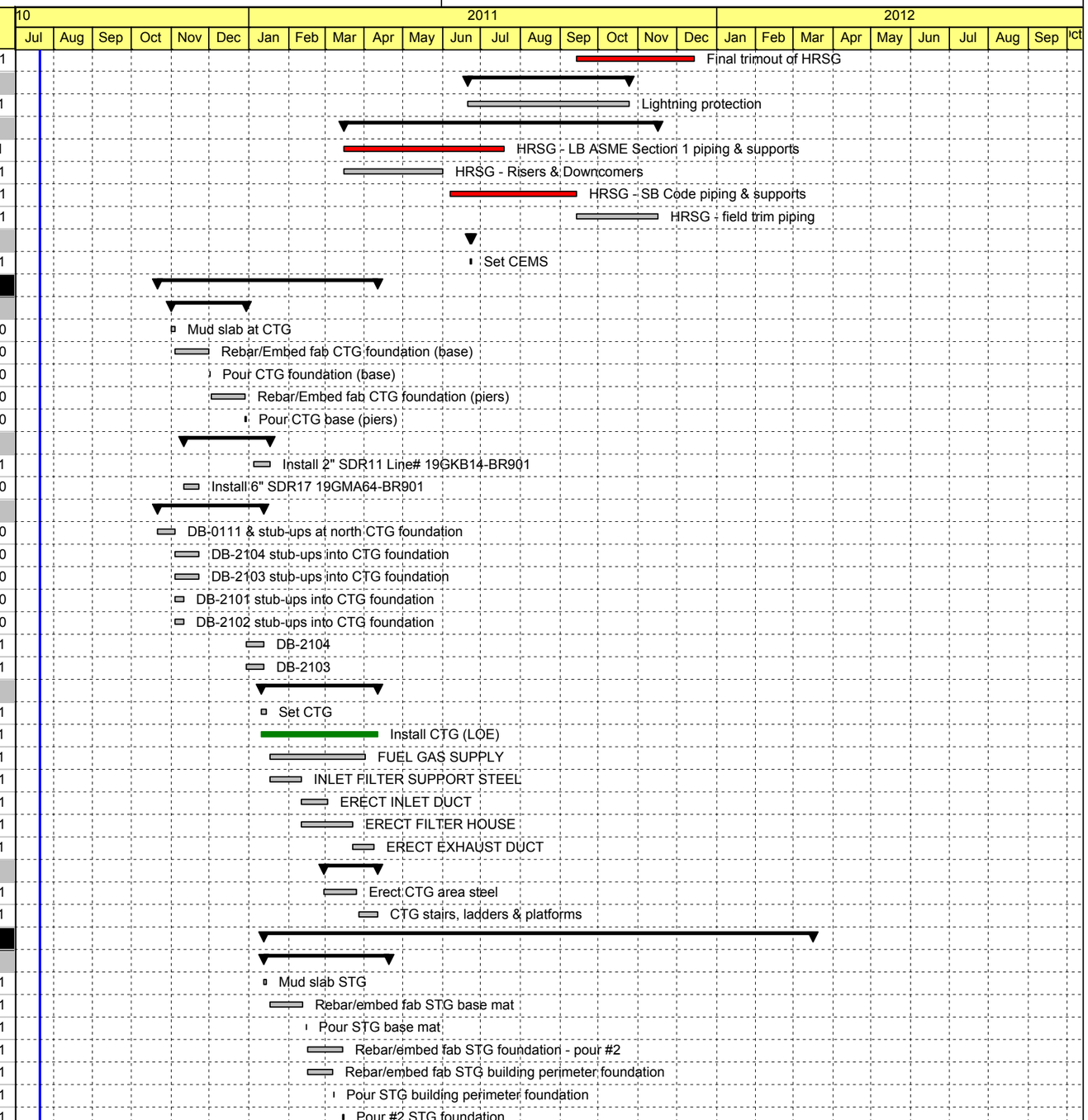
Activity ID	Activity Name	Original Duration	Start	Finish
CON250	Final trimout of HRSG	66	14-Sep-11	14-Dec-11
Electrical				
CON1300	Lightning protection	90	21-Jun-11	24-Oct-11
Piping - Above Ground				
CON1840	HRSG - LB ASME Section 1 piping & supports	90	16-Mar-11	19-Jul-11
CON1860	HRSG - Risers & Downcomers	56	16-Mar-11	01-Jun-11
CON1850	HRSG - SB Code piping & supports	71	07-Jun-11	13-Sep-11
CON1870	HRSG - field trim piping	46	14-Sep-11	16-Nov-11
Other				
CON3290	Set CEMS	1	23-Jun-11*	23-Jun-11
CTG Area				
Foundations				
CON4260	Mud slab at CTG	3	01-Nov-10	03-Nov-10
CON4390	Rebar/Embed fab CTG foundation (base)	19	04-Nov-10	30-Nov-10
CON121	Pour CTG foundation (base)	1	01-Dec-10	01-Dec-10
CON830	Rebar/Embed fab CTG foundation (piers)	19	02-Dec-10	28-Dec-10
CON4400	Pour CTG base (piers)	1	29-Dec-10	29-Dec-10
Piping - Underground				
CON_UG_004	Install 2" SDR11 Line# 19GKB14-BR901	10	04-Jan-11*	17-Jan-11
CON_UG_007	Install 6" SDR17 19GMA64-BR901	8	11-Nov-10	22-Nov-10
Ductbanks/Manholes/Ground Grid				
CON5610	DB-0111 & stub-ups at north CTG foundation	10	21-Oct-10	03-Nov-10
CON4140	DB-2104 stub-ups into CTG foundation	13	04-Nov-10	22-Nov-10
CON4150	DB-2103 stub-ups into CTG foundation	13	04-Nov-10	22-Nov-10
CON5620	DB-2101 stub-ups into CTG foundation	5	04-Nov-10	10-Nov-10
CON5630	DB-2102 stub-ups into CTG foundation	5	04-Nov-10	10-Nov-10
CON5640	DB-2104	10	30-Dec-10	12-Jan-11
CON5650	DB-2103	10	30-Dec-10	12-Jan-11
Mechanical Equipment				
CON180	Set CTG	5	10-Jan-11	14-Jan-11
CON181	Install CTG (LOE)	66	10-Jan-11	11-Apr-11
CON2400	FUEL GAS SUPPLY	55	17-Jan-11	01-Apr-11
CON1910	INLET FILTER SUPPORT STEEL	19	17-Jan-11	10-Feb-11
CON1920	ERECT INLET DUCT	15	11-Feb-11	03-Mar-11
CON1930	ERECT FILTER HOUSE	28	11-Feb-11	22-Mar-11
CON1940	ERECT EXHAUST DUCT	13	23-Mar-11	08-Apr-11
Structural Steel				
CON1250	Erect CTG area steel	20	28-Feb-11	25-Mar-11
CON1950	CTG stairs, ladders & platforms	11	28-Mar-11	11-Apr-11
STG Area				
Foundations				
CON5350	Mud slab STG	3	12-Jan-11	14-Jan-11
CON800	Rebar/embed fab STG base mat	20	17-Jan-11	11-Feb-11
CON1220	Pour STG base mat	1	14-Feb-11	14-Feb-11
CON810	Rebar/embed fab STG foundation - pour #2	20	15-Feb-11	14-Mar-11
CON5370	Rebar/embed fab STG building perimeter foundation	15	15-Feb-11	07-Mar-11
CON5380	Pour STG building perimeter foundation	1	08-Mar-11	08-Mar-11
CON1230	Pour #2 STG foundation	1	15-Mar-11	15-Mar-11



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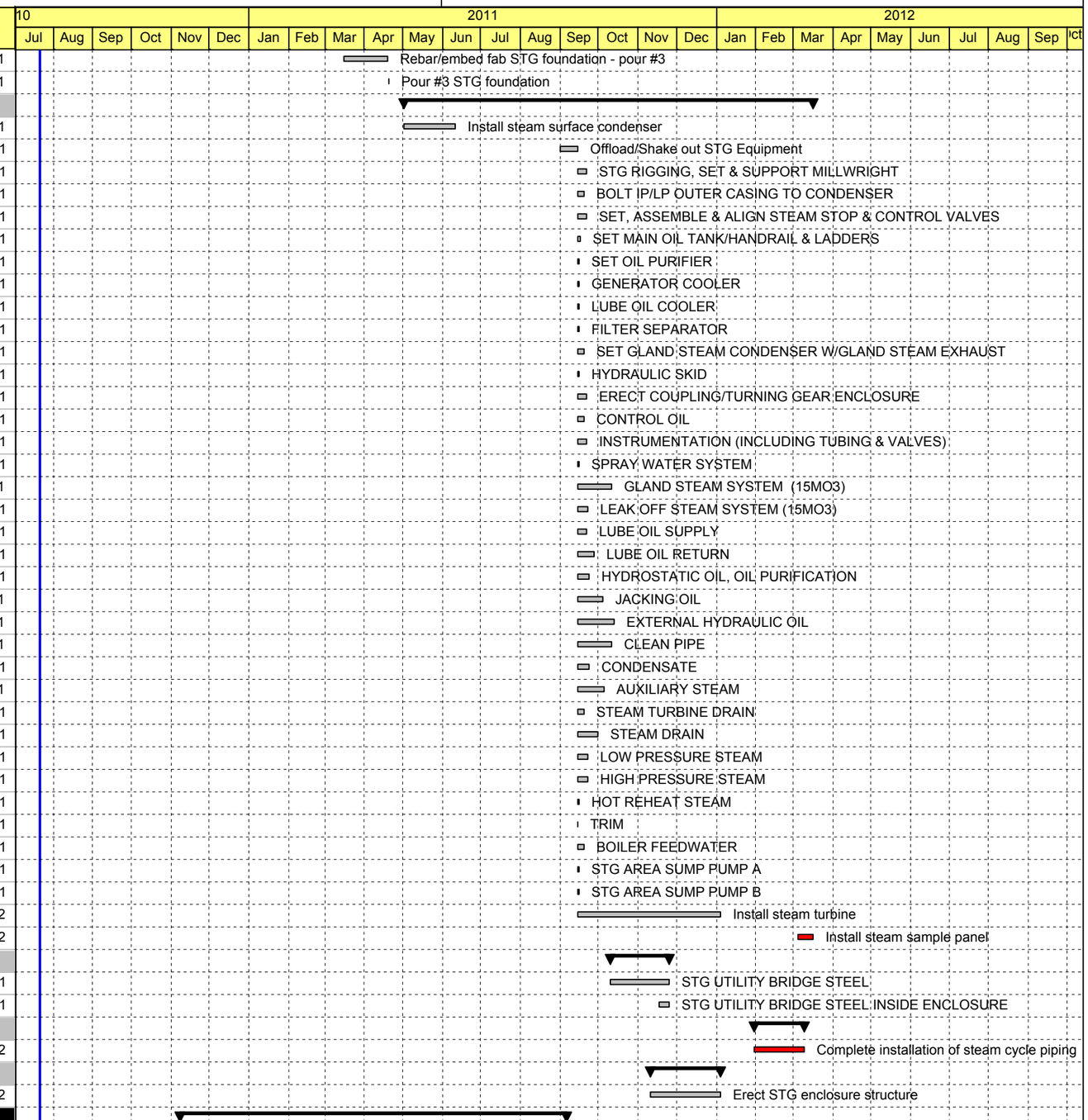
Activity ID	Activity Name	Original Duration	Start	Finish
CON820	Rebar/embed fab STG foundation - pour #3	25	16-Mar-11	19-Apr-11
CON1240	Pour #3 STG foundation	1	20-Apr-11	20-Apr-11
Mechanical Equipment				
CON310	Install steam surface condenser	30	02-May-11	10-Jun-11
CON2410	Offload/Shake out STG Equipment	10	01-Sep-11	14-Sep-11
CON2420	STG RIGGING, SET & SUPPORT MILLWRIGHT	5	15-Sep-11	21-Sep-11
CON2430	BOLT IP/LP OUTER CASING TO CONDENSER	3	15-Sep-11	19-Sep-11
CON2440	SET, ASSEMBLE & ALIGN STEAM STOP & CONTROL VALVES	5	15-Sep-11	21-Sep-11
CON2450	SET MAIN OIL TANK/HANDRAIL & LADDERS	2	15-Sep-11	16-Sep-11
CON2460	SET OIL PURIFIER	1	15-Sep-11	15-Sep-11
CON2470	GENERATOR COOLER	1	15-Sep-11	15-Sep-11
CON2480	LUBE OIL COOLER	1	15-Sep-11	15-Sep-11
CON2490	FILTER SEPARATOR	1	15-Sep-11	15-Sep-11
CON2500	SET GLAND STEAM CONDENSER W/GLAND STEAM EXHAUST	3	15-Sep-11	19-Sep-11
CON2510	HYDRAULIC SKID	1	15-Sep-11	15-Sep-11
CON2520	ERECT COUPLING/TURNING GEAR ENCLOSURE	5	15-Sep-11	21-Sep-11
CON2530	CONTROL OIL	3	15-Sep-11	19-Sep-11
CON2540	INSTRUMENTATION (INCLUDING TUBING & VALVES)	5	15-Sep-11	21-Sep-11
CON2550	SPRAY WATER SYSTEM	1	15-Sep-11	15-Sep-11
CON2560	GLAND STEAM SYSTEM (15MO3)	19	15-Sep-11	11-Oct-11
CON2570	LEAK OFF STEAM SYSTEM (15MO3)	6	15-Sep-11	22-Sep-11
CON2580	LUBE OIL SUPPLY	5	15-Sep-11	21-Sep-11
CON2590	LUBE OIL RETURN	9	15-Sep-11	27-Sep-11
CON2600	HYDROSTATIC OIL, OIL PURIFICATION	7	15-Sep-11	23-Sep-11
CON2610	JACKING OIL	14	15-Sep-11	04-Oct-11
CON2620	EXTERNAL HYDRAULIC OIL	21	15-Sep-11	13-Oct-11
CON2630	CLEAN PIPE	19	15-Sep-11	11-Oct-11
CON2640	CONDENSATE	7	15-Sep-11	23-Sep-11
CON2650	AUXILIARY STEAM	15	15-Sep-11	05-Oct-11
CON2660	STEAM TURBINE DRAIN	3	15-Sep-11	19-Sep-11
CON2670	STEAM DRAIN	12	15-Sep-11	30-Sep-11
CON2680	LOW PRESSURE STEAM	6	15-Sep-11	22-Sep-11
CON2690	HIGH PRESSURE STEAM	6	15-Sep-11	22-Sep-11
CON2700	HOT REHEAT STEAM	1	15-Sep-11	15-Sep-11
CON2710	TRIM	0	15-Sep-11	15-Sep-11
CON2720	BOILER FEEDWATER	3	15-Sep-11	19-Sep-11
CON3040	STG AREA SUMP PUMP A	1	15-Sep-11	15-Sep-11
CON3050	STG AREA SUMP PUMP B	1	15-Sep-11	15-Sep-11
CON350	Install steam turbine	80	15-Sep-11	04-Jan-12
CON390	Install steam sample panel	10	05-Mar-12	16-Mar-12
Structural Steel				
CON3590	STG UTILITY BRIDGE STEEL	35	10-Oct-11	25-Nov-11
CON3600	STG UTILITY BRIDGE STEEL INSIDE ENCLOSURE	7	17-Nov-11	25-Nov-11
Piping - Above Ground				
CON284	Complete installation of steam cycle piping	30	30-Jan-12	09-Mar-12
Structures/Buildings				
CON351	Erect STG enclosure structure	40	10-Nov-11	04-Jan-12
CTG (West)				



Remaining Summary (LOE) | Critical Remaining Work | Milestone
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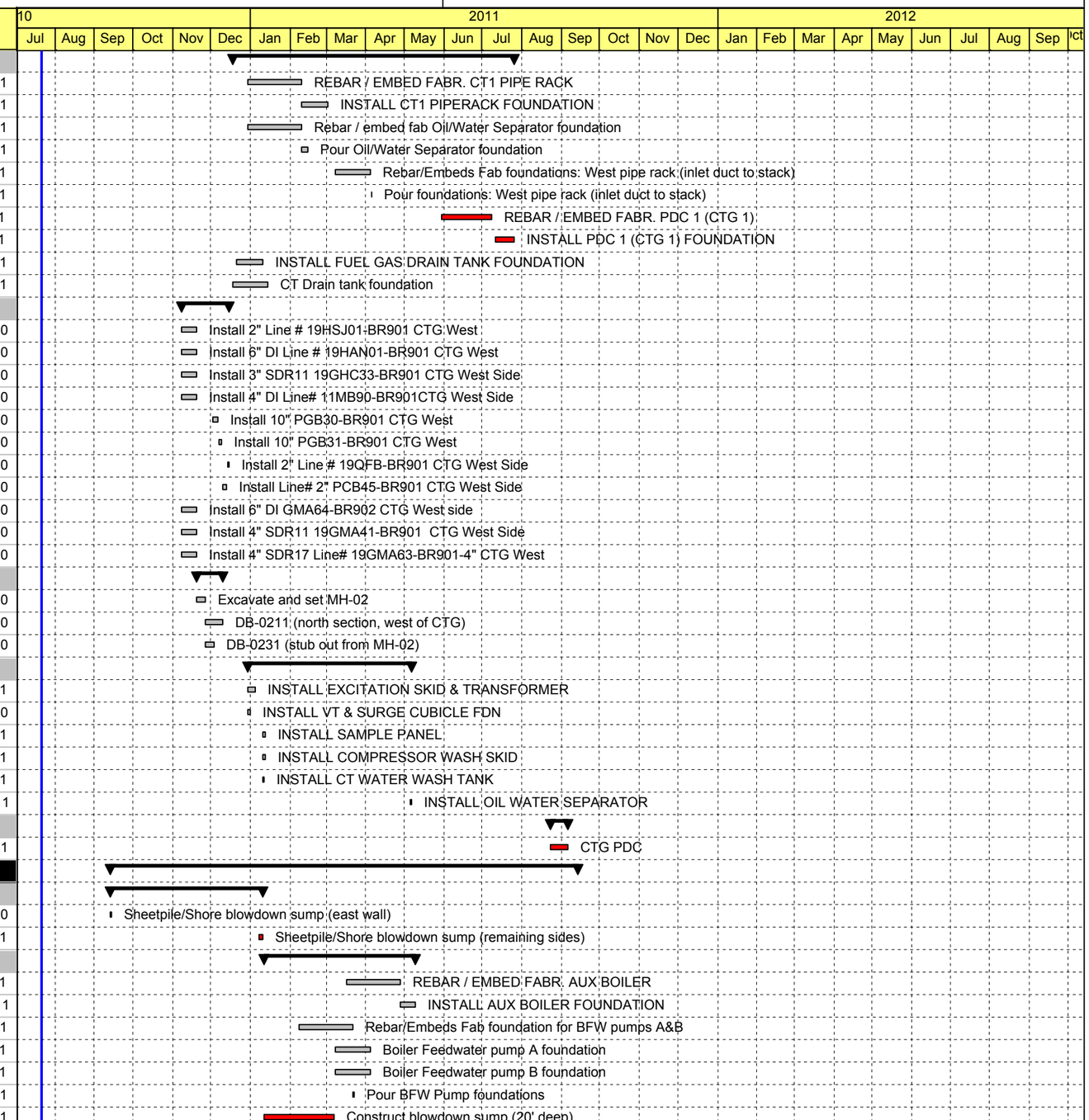
Activity ID	Activity Name	Original Duration	Start	Finish
Foundations				
CON610	REBAR / EMBED FABR. CT1 PIPE RACK	30	30-Dec-10	09-Feb-11
CON131	INSTALL CT1 PIPERACK FOUNDATION	15	10-Feb-11	02-Mar-11
CON580	Rebar / embed fab Oil/Water Separator foundation	30	30-Dec-10	09-Feb-11
CON1040	Pour Oil/Water Separator foundation	3	10-Feb-11	14-Feb-11
CON4450	Rebar/Embeds Fab foundations: West pipe rack (inlet duct to stack)	20	08-Mar-11	04-Apr-11
CON4460	Pour foundations: West pipe rack (inlet duct to stack)	1	05-Apr-11	05-Apr-11
CON500	REBAR / EMBED FABR. PDC 1 (CTG 1)	30	30-May-11	08-Jul-11
CON970	INSTALL PDC 1 (CTG 1) FOUNDATION	11	11-Jul-11	25-Jul-11
CON1050	INSTALL FUEL GAS DRAIN TANK FOUNDATION	15	21-Dec-10	10-Jan-11
CON5050	CT Drain tank foundation	20	17-Dec-10	14-Jan-11
Piping - Underground				
CON_UG_056	Install 2" Line # 19HSJ01-BR901 CTG West	10	08-Nov-10*	19-Nov-10
CON_UG_057	Install 6" DI Line # 19HAN01-BR901 CTG West	10	08-Nov-10*	19-Nov-10
CON_UG_053	Install 3" SDR11 19GHC33-BR901 CTG West Side	10	08-Nov-10*	19-Nov-10
CON_UG_051	Install 4" DI Line# 11MB90-BR901CTG West Side	10	08-Nov-10*	19-Nov-10
CON_UG_041	Install 10" PGB30-BR901 CTG West	3	02-Dec-10	06-Dec-10
CON_UG_044	Install 10" PGB31-BR901 CTG West	3	07-Dec-10	09-Dec-10
CON_UG_049	Install 2" Line # 19QFB-BR901 CTG West Side	2	14-Dec-10	15-Dec-10
CON_UG_047	Install Line# 2" PCB45-BR901 CTG West Side	2	10-Dec-10	13-Dec-10
CON_UG_052	Install 6" DI GMA64-BR902 CTG West side	10	08-Nov-10*	19-Nov-10
CON_UG_054	Install 4" SDR11 19GMA41-BR901 CTG West Side	10	08-Nov-10*	19-Nov-10
CON_UG_055	Install 4" SDR17 Line# 19GMA63-BR901-4" CTG West	10	08-Nov-10*	19-Nov-10
Ductbanks/Manholes/Ground Grid				
CON5570	Excavate and set MH-02	5	19-Nov-10	26-Nov-10
CON5580	DB-0211 (north section, west of CTG)	10	26-Nov-10	10-Dec-10
CON5590	DB-0231 (stub out from MH-02)	5	26-Nov-10	03-Dec-10
Mechanical Equipment				
CON3740	INSTALL EXCITATION SKID & TRANSFORMER	4	30-Dec-10	04-Jan-11
CON3750	INSTALL VT & SURGE CUBICLE FDN	2	30-Dec-10	31-Dec-10
CON3760	INSTALL SAMPLE PANEL	3	10-Jan-11	12-Jan-11
CON3770	INSTALL COMPRESSOR WASH SKID	3	10-Jan-11	12-Jan-11
CON3780	INSTALL CT WATER WASH TANK	2	10-Jan-11	11-Jan-11
CON1270	INSTALL OIL WATER SEPARATOR	1	06-May-11	06-May-11
Electrical				
CON270	CTG PDC	10	23-Aug-11	05-Sep-11
HRSG (West)				
Civil				
CON113	Sheetpile/Shore blowdown sump (east wall)	2	13-Sep-10	14-Sep-10
CON114	Sheetpile/Shore blowdown sump (remaining sides)	2	07-Jan-11	10-Jan-11
Foundations				
CON540	REBAR / EMBED FABR. AUX BOILER	30	17-Mar-11	27-Apr-11
CON1010	INSTALL AUX BOILER FOUNDATION	8	28-Apr-11	09-May-11
CON770	Rebar/Embeds Fab foundation for BFW pumps A&B	30	08-Feb-11	21-Mar-11
CON5070	Boiler Feedwater pump A foundation	20	08-Mar-11	04-Apr-11
CON5080	Boiler Feedwater pump B foundation	20	08-Mar-11	04-Apr-11
CON1200	Pour BFW Pump foundations	1	22-Mar-11	22-Mar-11
CON112	Construct blowdown sump (20' deep)	40	11-Jan-11	07-Mar-11



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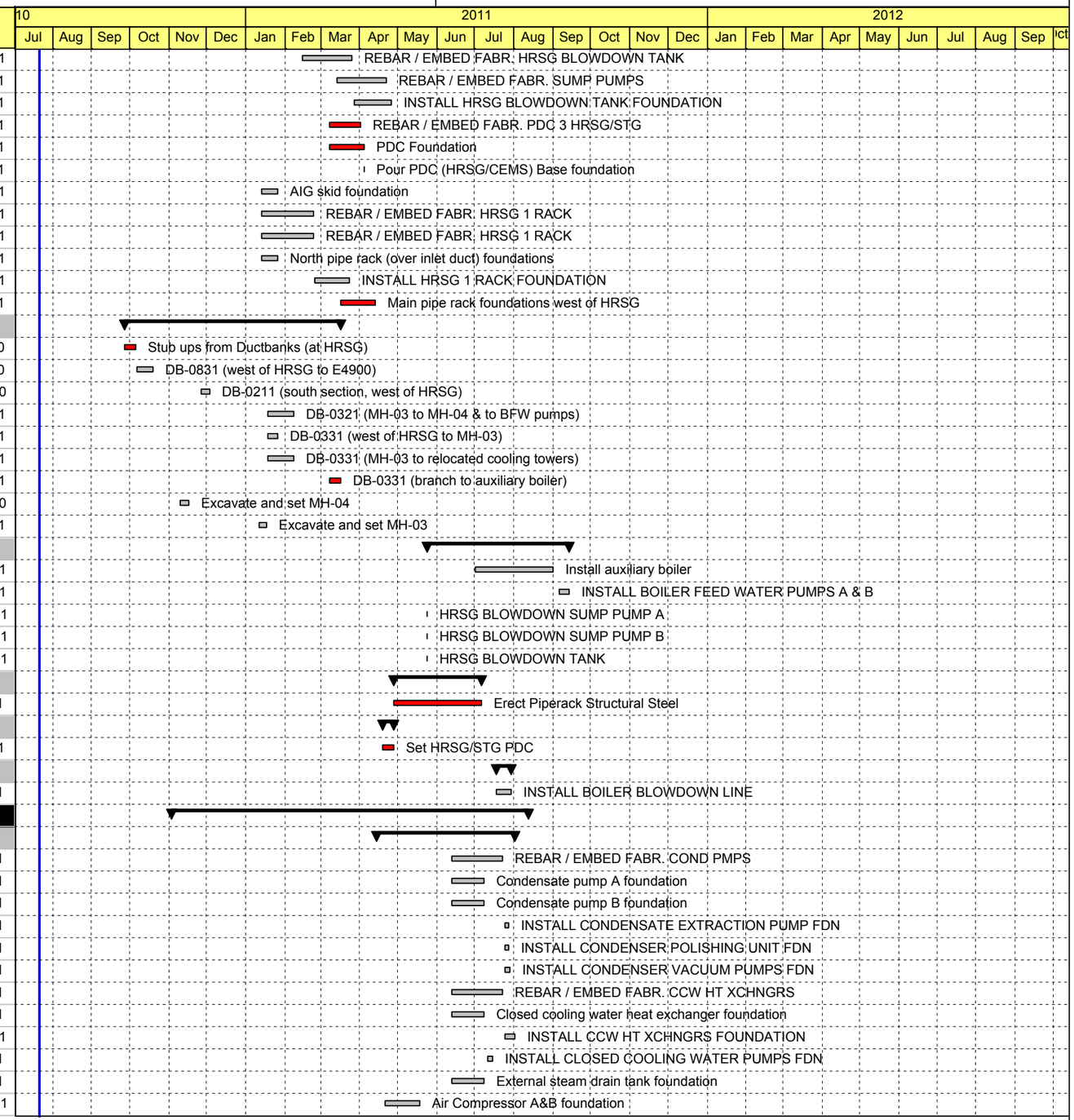
Activity ID	Activity Name	Original Duration	Start	Finish
CON780	REBAR / EMBED FABR. HRSG BLOWDOWN TANK	30	14-Feb-11	25-Mar-11
CON570	REBAR / EMBED FABR. SUMP PUMPS	30	14-Mar-11	22-Apr-11
CON1210	INSTALL HRSG BLOWDOWN TANK FOUNDATION	21	28-Mar-11	25-Apr-11
CON510	REBAR / EMBED FABR. PDC 3 HRSG/STG	19	08-Mar-11	01-Apr-11
CON5270	PDC Foundation	20	08-Mar-11	04-Apr-11
CON980	Pour PDC (HRSG/CEMS) Base foundation	1	04-Apr-11	04-Apr-11
CON5210	AIG skid foundation	10	13-Jan-11	26-Jan-11
CON620	REBAR / EMBED FABR. HRSG 1 RACK	30	13-Jan-11	23-Feb-11
CON5340	REBAR / EMBED FABR. HRSG 1 RACK	30	13-Jan-11	23-Feb-11
CON5230	North pipe rack (over inlet duct) foundations	10	13-Jan-11	26-Jan-11
CON1070	INSTALL HRSG 1 RACK FOUNDATION	20	24-Feb-11	23-Mar-11
CON5390	Main pipe rack foundations west of HRSG	20	17-Mar-11	13-Apr-11
Ductbanks/Manholes/Ground Grid				
CON4330	Stub ups from Ductbanks (at HRSG)	7	27-Sep-10	05-Oct-10
CON5440	DB-0831 (west of HRSG to E4900)	10	06-Oct-10	19-Oct-10
CON5600	DB-0211 (south section, west of HRSG)	5	26-Nov-10	03-Dec-10
CON4410	DB-0321 (MH-03 to MH-04 & to BFW pumps)	15	18-Jan-11	07-Feb-11
CON4420	DB-0331 (west of HRSG to MH-03)	7	18-Jan-11	26-Jan-11
CON5740	DB-0331 (MH-03 to relocated cooling towers)	15	18-Jan-11	07-Feb-11
CON5750	DB-0331 (branch to auxiliary boiler)	7	08-Mar-11	16-Mar-11
CON4080	Excavate and set MH-04	5	10-Nov-10	16-Nov-10
CON4070	Excavate and set MH-03	5	11-Jan-11	17-Jan-11
Mechanical Equipment				
CON370	Install auxiliary boiler	45	01-Jul-11	01-Sep-11
CON290	INSTALL BOILER FEED WATER PUMPS A & B	6	06-Sep-11	13-Sep-11
CON2760	HRSG BLOWDOWN SUMP PUMP A	0	24-May-11	24-May-11
CON2770	HRSG BLOWDOWN SUMP PUMP B	0	24-May-11	24-May-11
CON2780	HRSG BLOWDOWN TANK	0	24-May-11	24-May-11
Structural Steel				
CON200	Erect Piperack Structural Steel	50	28-Apr-11	06-Jul-11
Electrical				
CON5780	Set HRSG/STG PDC	7	19-Apr-11	27-Apr-11
Piping - Above Ground				
CON1690	INSTALL BOILER BLOWDOWN LINE	10	18-Jul-11	29-Jul-11
STG (north and west)				
Foundations				
CON560	REBAR / EMBED FABR. COND PMPS	30	13-Jun-11	22-Jul-11
CON5170	Condensate pump A foundation	20	13-Jun-11	08-Jul-11
CON5180	Condensate pump B foundation	20	13-Jun-11	08-Jul-11
CON4060	INSTALL CONDENSATE EXTRACTION PUMP FDN	3	25-Jul-11	27-Jul-11
CON3830	INSTALL CONDENSER POLISHING UNIT FDN	3	25-Jul-11	27-Jul-11
CON3840	INSTALL CONDENSER VACUUM PUMPS FDN	4	25-Jul-11	28-Jul-11
CON550	REBAR / EMBED FABR. CCW HT XCHNGRS	30	13-Jun-11	22-Jul-11
CON5220	Closed cooling water heat exchanger foundation	20	13-Jun-11	08-Jul-11
CON1020	INSTALL CCW HT XCHNGRS FOUNDATION	6	25-Jul-11	01-Aug-11
CON3790	INSTALL CLOSED COOLING WATER PUMPS FDN	5	11-Jul-11	15-Jul-11
CON5130	External steam drain tank foundation	20	13-Jun-11	08-Jul-11
CON5140	Air Compressor A&B foundation	20	21-Apr-11	18-May-11



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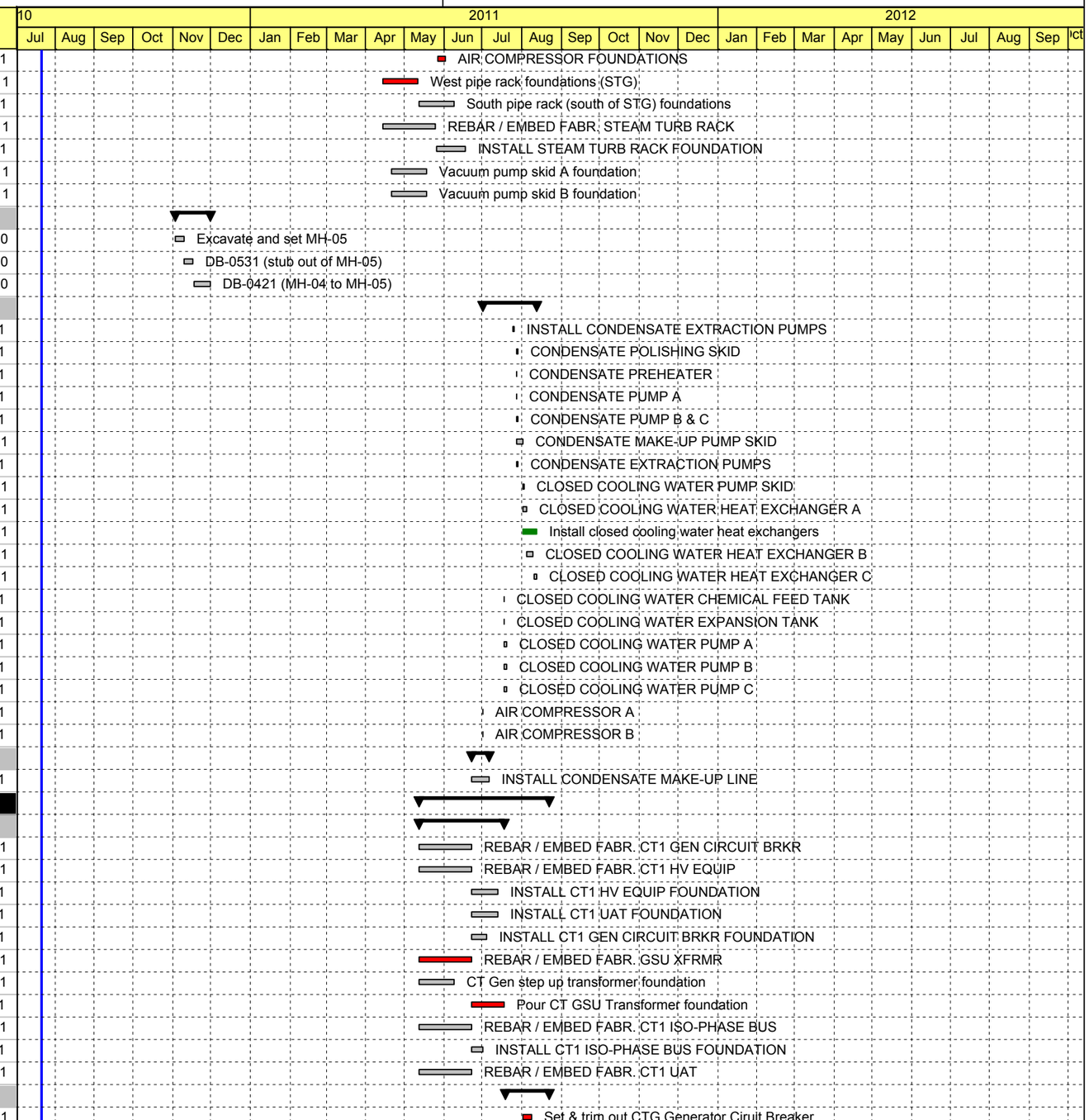
Activity ID	Activity Name	Original Duration	Start	Finish
CON3960	AIR COMPRESSOR FOUNDATIONS	5	27-May-11	02-Jun-11
CON5250	West pipe rack foundations (STG)	20	14-Apr-11	11-May-11
CON5260	South pipe rack (south of STG) foundations	20	12-May-11	08-Jun-11
CON630	REBAR / EMBED FABR. STEAM TURB RACK	30	14-Apr-11	25-May-11
CON1080	INSTALL STEAM TURB RACK FOUNDATION	17	26-May-11	17-Jun-11
CON5150	Vacuum pump skid A foundation	20	21-Apr-11	18-May-11
CON5160	Vacuum pump skid B foundation	20	21-Apr-11	18-May-11
Ductbanks/Manholes/Ground Grid				
CON4430	Excavate and set MH-05	5	03-Nov-10	09-Nov-10
CON5720	DB-0531 (stub out of MH-05)	5	10-Nov-10	16-Nov-10
CON4440	DB-0421 (MH-04 to MH-05)	10	17-Nov-10	30-Nov-10
Mechanical Equipment				
CON300	INSTALL CONDENSATE EXTRACTION PUMPS	1	25-Jul-11	25-Jul-11
CON2790	CONDENSATE POLISHING SKID	1	28-Jul-11	28-Jul-11
CON2800	CONDENSATE PREHEATER	0	28-Jul-11	28-Jul-11
CON2810	CONDENSATE PUMP A	0	28-Jul-11	28-Jul-11
CON2820	CONDENSATE PUMP B & C	1	28-Jul-11	28-Jul-11
CON2980	CONDENSATE MAKE-UP PUMP SKID	3	28-Jul-11	01-Aug-11
CON3310	CONDENSATE EXTRACTION PUMPS	1	28-Jul-11	28-Jul-11
CON3140	CLOSED COOLING WATER PUMP SKID	1	02-Aug-11	02-Aug-11
CON3170	CLOSED COOLING WATER HEAT EXCHANGER A	3	02-Aug-11	04-Aug-11
CON260	Install closed cooling water heat exchangers	9	02-Aug-11	12-Aug-11
CON3180	CLOSED COOLING WATER HEAT EXCHANGER B	3	05-Aug-11	09-Aug-11
CON3190	CLOSED COOLING WATER HEAT EXCHANGER C	3	10-Aug-11	12-Aug-11
CON2860	CLOSED COOLING WATER CHEMICAL FEED TANK	0	18-Jul-11	18-Jul-11
CON2870	CLOSED COOLING WATER EXPANSION TANK	0	18-Jul-11	18-Jul-11
CON3490	CLOSED COOLING WATER PUMP A	3	18-Jul-11	20-Jul-11
CON3500	CLOSED COOLING WATER PUMP B	3	18-Jul-11	20-Jul-11
CON3510	CLOSED COOLING WATER PUMP C	3	18-Jul-11	20-Jul-11
CON3240	AIR COMPRESSOR A	1	01-Jul-11	01-Jul-11
CON3250	AIR COMPRESSOR B	1	01-Jul-11	01-Jul-11
Piping - Above Ground				
CON1710	INSTALL CONDENSATE MAKE-UP LINE	10	23-Jun-11	06-Jul-11
CT GSU Area				
Foundations				
CON490	REBAR / EMBED FABR. CT1 GEN CIRCUIT BRKR	30	12-May-11	22-Jun-11
CON640	REBAR / EMBED FABR. CT1 HV EQUIP	30	12-May-11	22-Jun-11
CON1090	INSTALL CT1 HV EQUIP FOUNDATION	15	23-Jun-11	13-Jul-11
CON1130	INSTALL CT1 UAT FOUNDATION	15	23-Jun-11	13-Jul-11
CON960	INSTALL CT1 GEN CIRCUIT BRKR FOUNDATION	8	23-Jun-11	04-Jul-11
CON680	REBAR / EMBED FABR. GSU XFRMR	30	12-May-11	22-Jun-11
CON5030	CT Gen step up transformer foundation	20	12-May-11	08-Jun-11
CON151	Pour CT GSU Transformer foundation	18	23-Jun-11	18-Jul-11
CON650	REBAR / EMBED FABR. CT1 ISO-PHASE BUS	30	12-May-11	22-Jun-11
CON1100	INSTALL CT1 ISO-PHASE BUS FOUNDATION	7	23-Jun-11	01-Jul-11
CON690	REBAR / EMBED FABR. CT1 UAT	30	12-May-11	22-Jun-11
Mechanical Equipment				
CON244	Set & trim out CTG Generator Ciruit Breaker	5	02-Aug-11	08-Aug-11



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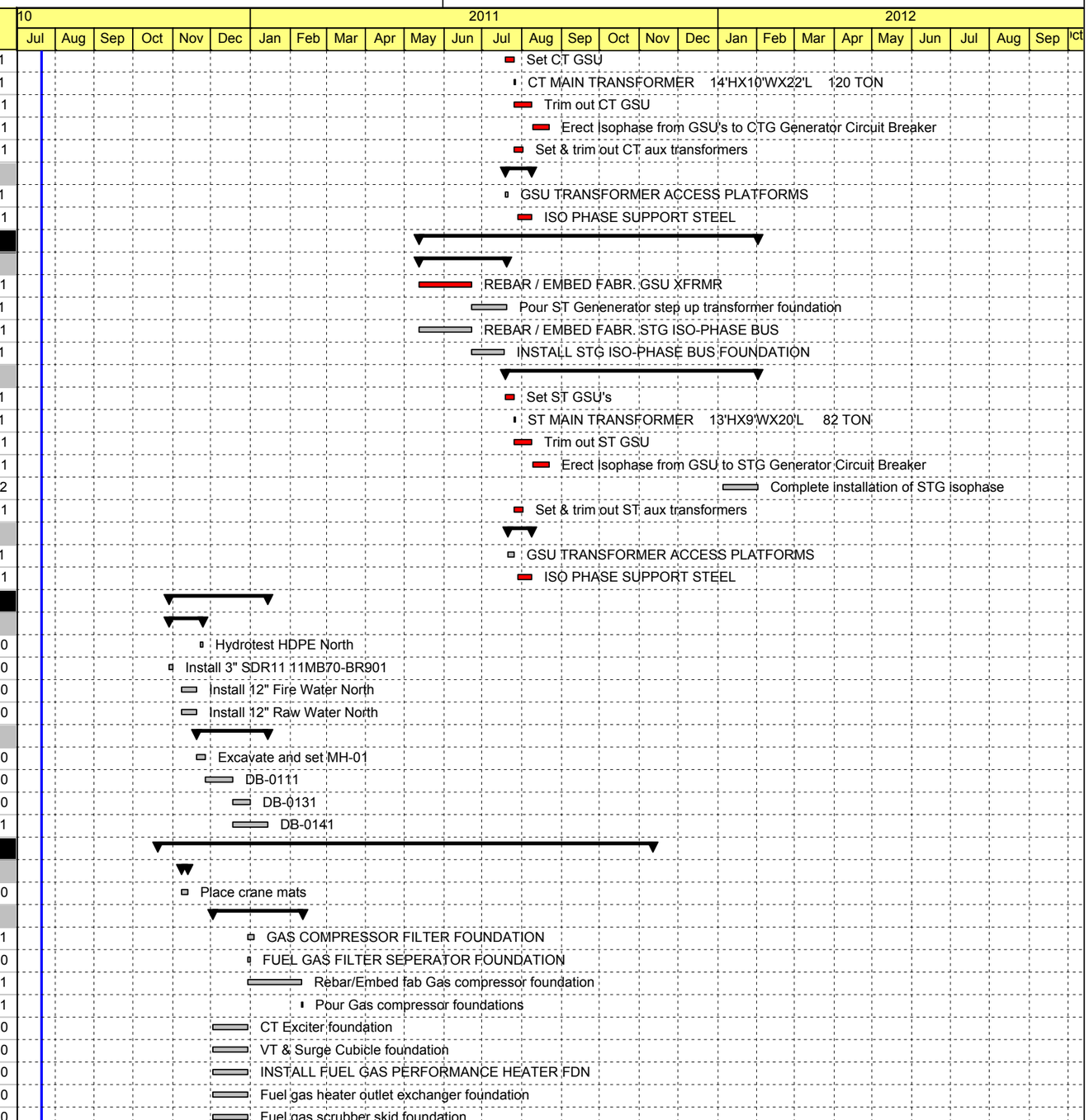
Activity ID	Activity Name	Original Duration	Start	Finish
CON241	Set CT GSU	5	19-Jul-11	25-Jul-11
CON3320	CT MAIN TRANSFORMER 14'HX10'WX22'L 120 TON	1	26-Jul-11	26-Jul-11
CON242	Trim out CT GSU	10	26-Jul-11	08-Aug-11
CON245	Erect Isophase from GSU's to CTG Generator Circuit Breaker	10	09-Aug-11	22-Aug-11
CON243	Set & trim out CT aux transformers	5	26-Jul-11	01-Aug-11
Structural Steel				
CON3610	GSU TRANSFORMER ACCESS PLATFORMS	3	19-Jul-11	21-Jul-11
CON3630	ISO PHASE SUPPORT STEEL	7	29-Jul-11	08-Aug-11
ST GSU Area				
Foundations				
CON5300	REBAR / EMBED FABR. GSU XFRMR	30	12-May-11	22-Jun-11
CON5200	Pour ST Genenerator step up transformer foundation	20	23-Jun-11	20-Jul-11
CON660	REBAR / EMBED FABR. STG ISO-PHASE BUS	30	12-May-11	22-Jun-11
CON1110	INSTALL STG ISO-PHASE BUS FOUNDATION	18	23-Jun-11	18-Jul-11
Mechanical Equipment				
CON5280	Set ST GSU's	5	19-Jul-11	25-Jul-11
CON3330	ST MAIN TRANSFORMER 13'HX9'WX20'L 82 TON	1	26-Jul-11	26-Jul-11
CON5290	Trim out ST GSU	10	26-Jul-11	08-Aug-11
CON5330	Erect Isophase from GSU to STG Generator Circuit Breaker	10	09-Aug-11	22-Aug-11
CON355	Complete installation of STG isophase	20	05-Jan-12	01-Feb-12
CON5310	Set & trim out ST aux transformers	5	26-Jul-11	01-Aug-11
Structural Steel				
CON5360	GSU TRANSFORMER ACCESS PLATFORMS	3	21-Jul-11	25-Jul-11
CON5320	ISO PHASE SUPPORT STEEL	7	29-Jul-11	08-Aug-11
North Area				
Piping - Underground				
CON_UG_017	Hydrotest HDPE North	3	22-Nov-10	24-Nov-10
CON_UG_016	Install 3" SDR11 11MB70-BR901	2	29-Oct-10*	01-Nov-10
CON_UG_012	Install 12" Fire Water North	10	08-Nov-10	19-Nov-10
CON_UG_015	Install 12" Raw Water North	10	08-Nov-10	19-Nov-10
Ductbanks/Manholes/Ground Grid				
CON5680	Excavate and set MH-01	5	19-Nov-10	26-Nov-10
CON5560	DB-0111	15	26-Nov-10	17-Dec-10
CON5530	DB-0131	10	17-Dec-10	31-Dec-10
CON5550	DB-0141	20	17-Dec-10	14-Jan-11
East Area				
Civil				
CON5690	Place crane mats	5	08-Nov-10	12-Nov-10
Foundations				
CON3910	GAS COMPRESSOR FILTER FOUNDATION	3	30-Dec-10	03-Jan-11
CON3920	FUEL GAS FILTER SEPERATOR FOUNDATION	2	30-Dec-10	31-Dec-10
CON600	Rebar/Embed fab Gas compressor foundation	30	30-Dec-10	09-Feb-11
CON1060	Pour Gas compressor foundations	1	10-Feb-11	10-Feb-11
CON5010	CT Exciter foundation	20	02-Dec-10	29-Dec-10
CON5020	VT & Surge Cubicle foundation	20	02-Dec-10	29-Dec-10
CON3720	INSTALL FUEL GAS PERFORMANCE HEATER FDN	20	02-Dec-10	29-Dec-10
CON5100	Fuel gas heater outlet exchanger foundation	20	02-Dec-10	29-Dec-10
CON5120	Fuel gas scrubber skid foundation	20	02-Dec-10	29-Dec-10



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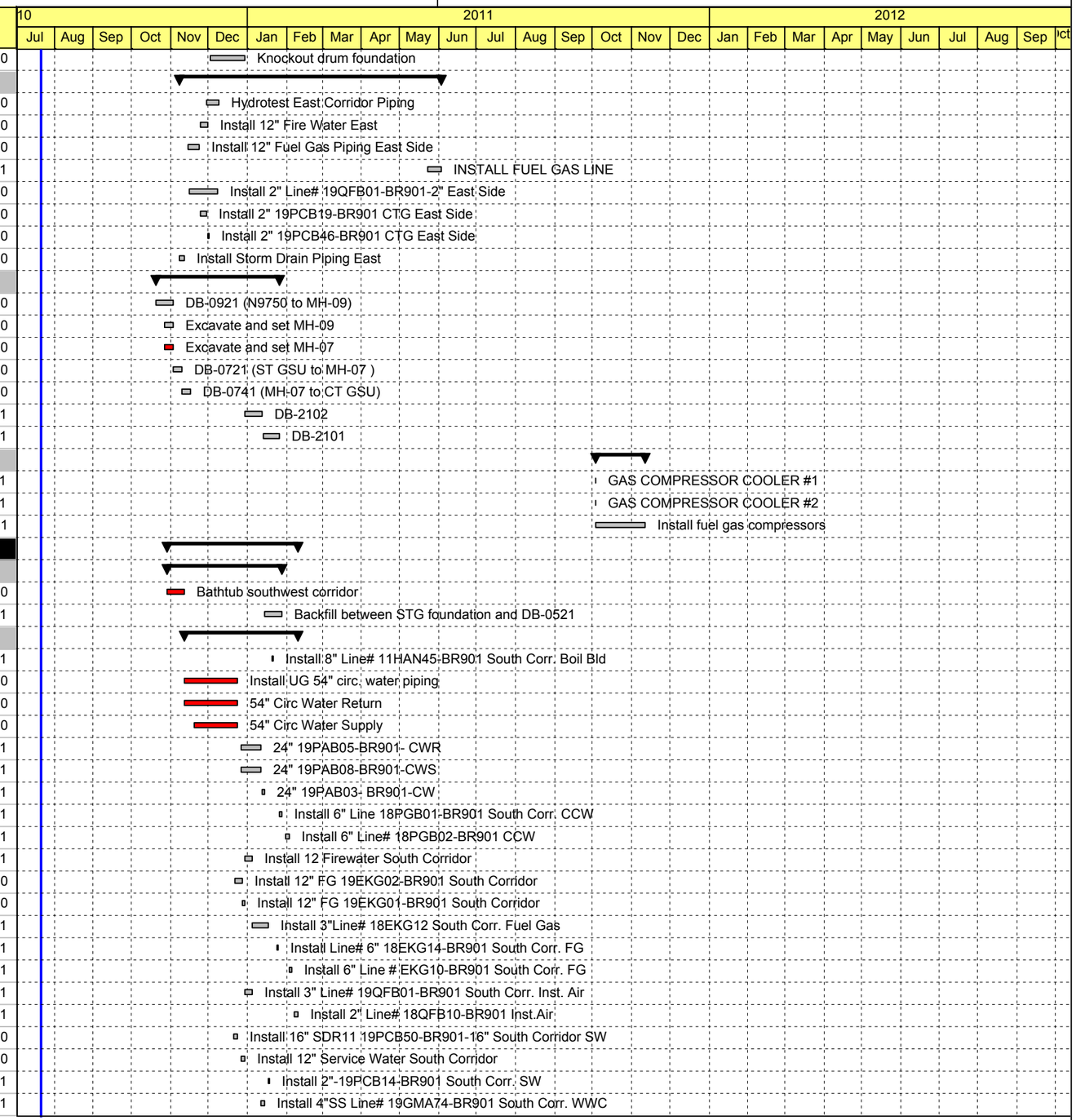
Activity ID	Activity Name	Original Duration	Start	Finish
CON5110	Knockout drum foundation	20	02-Dec-10	29-Dec-10
Piping - Underground				
CON_UG_037	Hydrotest East Corridor Piping	9	29-Nov-10	09-Dec-10
CON_UG_025	Install 12" Fire Water East	3	24-Nov-10	30-Nov-10
CON_UG_027	Install 12" Fuel Gas Piping East Side	7	15-Nov-10	23-Nov-10
CON1750	INSTALL FUEL GAS LINE	10	23-May-11	03-Jun-11
CON_UG_030	Install 2" Line# 19QFB01-BR901-2" East Side	15	16-Nov-10	08-Dec-10
CON_UG_033	Install 2" 19PCB19-BR901 CTG East Side	2	24-Nov-10	29-Nov-10
CON_UG_036	Install 2" 19PCB46-BR901 CTG East Side	2	30-Nov-10	01-Dec-10
CON_UG_022	Install Storm Drain Piping East	4	08-Nov-10	11-Nov-10
Ductbanks/Manholes/Ground Grid				
CON5400	DB-0921 (N9750 to MH-09)	10	20-Oct-10	02-Nov-10
CON4100	Excavate and set MH-09	5	27-Oct-10	02-Nov-10
CON5410	Excavate and set MH-07	5	27-Oct-10	02-Nov-10
CON5430	DB-0721 (ST GSU to MH-07)	5	03-Nov-10	09-Nov-10
CON5420	DB-0741 (MH-07 to CT GSU)	5	10-Nov-10	16-Nov-10
CON5670	DB-2102	10	30-Dec-10	12-Jan-11
CON5660	DB-2101	10	13-Jan-11	26-Jan-11
Mechanical Equipment				
CON3150	GAS COMPRESSOR COOLER #1	1	03-Oct-11	03-Oct-11
CON3160	GAS COMPRESSOR COOLER #2	1	03-Oct-11	03-Oct-11
CON170	Install fuel gas compressors	30	03-Oct-11	11-Nov-11
South Corridor				
Civil				
CON5760	Bathtub southwest corridor	10	29-Oct-10	11-Nov-10
CON5770	Backfill between STG foundation and DB-0521	10	14-Jan-11	27-Jan-11
Piping - Underground				
CON_UG_146	Install 8" Line# 11HAN45-BR901 South Corr. Boil Bld	2	20-Jan-11	21-Jan-11
CON190	Install UG 54" circ. water piping	30	12-Nov-10	23-Dec-10
CON_UG_059	54" Circ Water Return	28	12-Nov-10	23-Dec-10
CON_UG_060	54" Circ Water Supply	23	19-Nov-10	23-Dec-10
CON_UG_061	24" 19PAB05-BR901- CWR	11	27-Dec-10	11-Jan-11
CON_UG_062	24" 19PAB08-BR901-CWS	11	27-Dec-10	11-Jan-11
CON_UG_063	24" 19PAB03- BR901-CW	3	12-Jan-11	14-Jan-11
CON_UG_152	Install 6" Line 18PGB01-BR901 South Corr. CCW	3	26-Jan-11	28-Jan-11
CON_UG_155	Install 6" Line# 18PGB02-BR901 CCW	3	31-Jan-11	02-Feb-11
CON_UG_135	Install 12 Firewater South Corridor	3	30-Dec-10	04-Jan-11
CON_UG_130	Install 12" FG 19EKG02-BR901 South Corridor	3	22-Dec-10	27-Dec-10
CON_UG_132	Install 12" FG 19EKG01-BR901 South Corridor	2	28-Dec-10	29-Dec-10
CON_UG_160	Install 3"Line# 18EKG12 South Corr. Fuel Gas	10	04-Jan-11*	17-Jan-11
CON_UG_149	Install Line# 6" 18EKG14-BR901 South Corr. FG	2	24-Jan-11	25-Jan-11
CON_UG_157	Install 6" Line # EKG10-BR901 South Corr. FG	2	03-Feb-11	04-Feb-11
CON_UG_137	Install 3" Line# 19QFB01-BR901 South Corr. Inst. Air	3	30-Dec-10	04-Jan-11
CON_UG_159	Install 2" Line# 18QFB10-BR901 Inst.Air	3	07-Feb-11	09-Feb-11
CON_UG_133	Install 16" SDR11 19PCB50-BR901-16" South Corridor SW	3	21-Dec-10	23-Dec-10
CON_UG_134	Install 12" Service Water South Corridor	3	27-Dec-10	29-Dec-10
CON_UG_142	Install 2"-19PCB14-BR901 South Corr. SW	2	17-Jan-11	18-Jan-11
CON_UG_140	Install 4"SS Line# 19GMA74-BR901 South Corr. WWC	4	11-Jan-11	14-Jan-11



Remaining Summary (LOE) | Critical Remaining Work | Milestone
Remaining Work | Critical Milestone | Summary

TASK filters: NCPA - Detailed CS, NCPA DCS.

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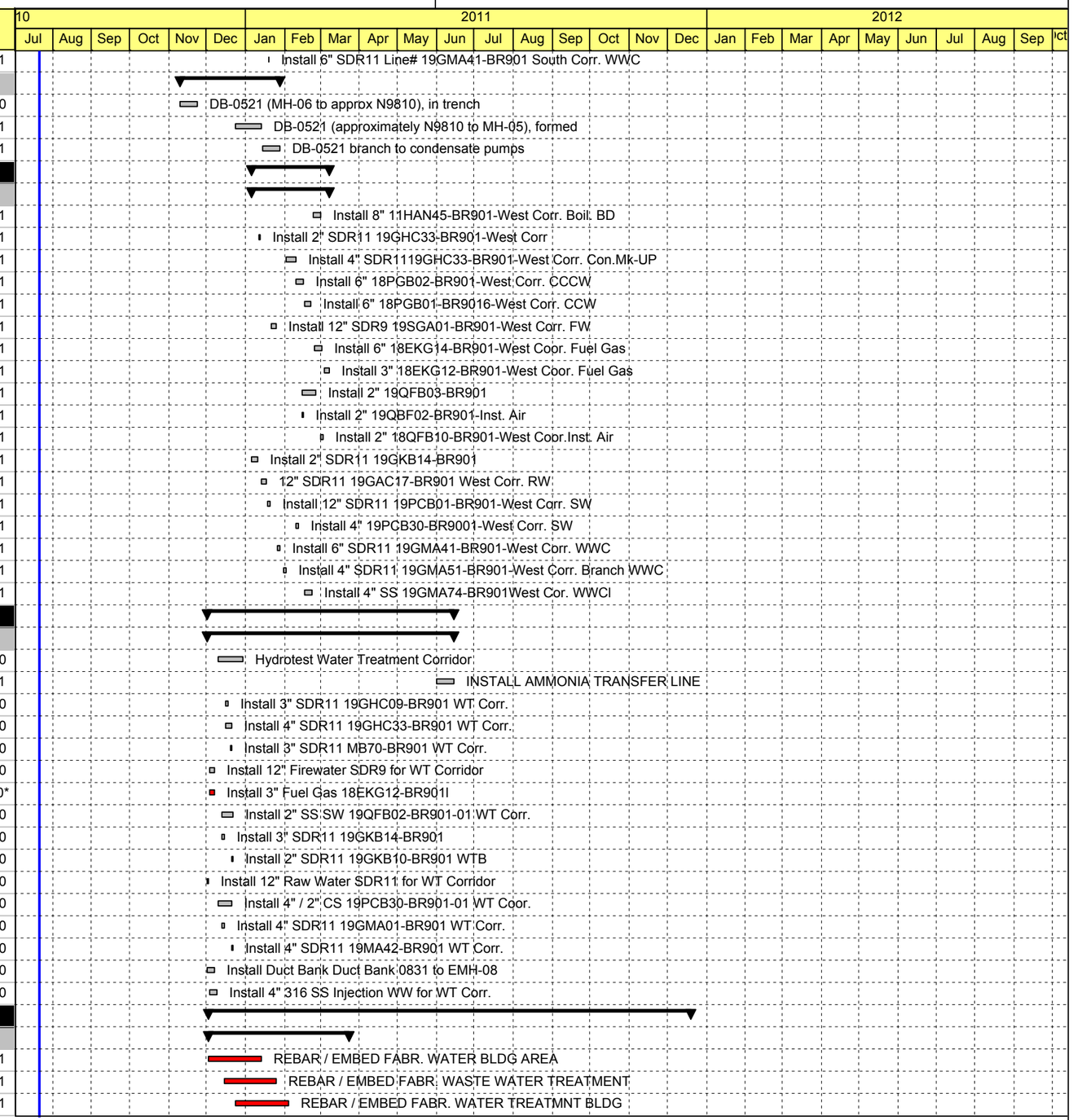
Activity ID	Activity Name	Original Duration	Start	Finish
CON_UG_143	Install 6" SDR11 Line# 19GMA41-BR901 South Corr. WWC	1	19-Jan-11	19-Jan-11
Ductbanks/Manholes/Ground Grid				
CON5470	DB-0521 (MH-06 to approx N9810), in trench	10	10-Nov-10	23-Nov-10
CON5460	DB-0521 (approximately N9810 to MH-05), formed	15	24-Dec-10	13-Jan-11
CON5730	DB-0521 branch to condensate pumps	10	14-Jan-11	27-Jan-11
West Corridor				
Piping - Underground				
CON_UG_079	Install 8" 11HAN45-BR901-West Corr. Boil. BD	5	23-Feb-11	01-Mar-11
CON_UG_072	Install 2" SDR11 19GHC33-BR901-West Corr	2	11-Jan-11	12-Jan-11
CON_UG_070	Install 4" SDR1119GHC33-BR901-West Corr. Con.Mk-UP	6	02-Feb-11	09-Feb-11
CON_UG_082	Install 6" 18PGB02-BR901-West Corr. CCCW	4	10-Feb-11	15-Feb-11
CON_UG_084	Install 6" 18PGB01-BR9016-West Corr. CCW	4	16-Feb-11	21-Feb-11
CON_UG_067	Install 12" SDR9 19SGA01-BR901-West Corr. FW	3	21-Jan-11	25-Jan-11
CON_UG_086	Install 6" 18EKG14-BR901-West Coor. Fuel Gas	5	24-Feb-11	02-Mar-11
CON_UG_090	Install 3" 18EKG12-BR901-West Coor. Fuel Gas	3	04-Mar-11	08-Mar-11
CON_UG_080	Install 2" 19QFB03-BR901	10	14-Feb-11*	25-Feb-11
CON_UG_075	Install 2" 19QBF02-BR901-Inst. Air	2	14-Feb-11	15-Feb-11
CON_UG_088	Install 2" 18QFB10-BR901-West Coor.Inst. Air	3	01-Mar-11	03-Mar-11
CON_UG_071	Install 2" SDR11 19GKB14-BR901	4	05-Jan-11	10-Jan-11
CON_UG_065	12" SDR11 19GAC17-BR901 West Corr. RW	3	13-Jan-11	17-Jan-11
CON_UG_066	Install 12" SDR11 19PCB01-BR901-West Corr. SW	3	18-Jan-11	20-Jan-11
CON_UG_074	Install 4" 19PCB30-BR9001-West Corr. SW	2	10-Feb-11	11-Feb-11
CON_UG_068	Install 6" SDR11 19GMA41-BR901-West Corr. WWC	3	26-Jan-11	28-Jan-11
CON_UG_069	Install 4" SDR11 19GMA51-BR901-West Corr. Branch WWC	2	31-Jan-11	01-Feb-11
CON_UG_076	Install 4" SS 19GMA74-BR901West Cor. WWCI	5	16-Feb-11	22-Feb-11
Water Treatment Corridor				
Piping - Underground				
CON_UG_117	Hydrotest Water Treatment Corridor	13	10-Dec-10	29-Dec-10
CON1170	INSTALL AMMONIA TRANSFER LINE	10	01-Jun-11*	14-Jun-11
CON_UG_112	Install 3" SDR11 19GHC09-BR901 WT Corr.	2	16-Dec-10	17-Dec-10
CON_UG_114	Install 4" SDR11 19GHC33-BR901 WT Corr.	3	16-Dec-10	20-Dec-10
CON_UG_113	Install 3" SDR11 MB70-BR901 WT Corr.	1	20-Dec-10	20-Dec-10
CON_UG_093	Install 12" Firewater SDR9 for WT Corridor	3	03-Dec-10	07-Dec-10
CON_UG_099	Install 3" Fuel Gas 18EKG12-BR901I	3	03-Dec-10	07-Dec-10*
CON_UG_105	Install 2" SS SW 19QFB02-BR901-01 WT Corr.	7	13-Dec-10	21-Dec-10
CON_UG_111	Install 3" SDR11 19GKB14-BR901	3	13-Dec-10	15-Dec-10
CON_UG_116	Install 2" SDR11 19GKB10-BR901 WTB	1	21-Dec-10	21-Dec-10
CON_UG_092	Install 12" Raw Water SDR11 for WT Corridor	2	01-Dec-10	02-Dec-10
CON_UG_108	Install 4" / 2" CS 19PCB30-BR901-01 WT Coor.	7	10-Dec-10	20-Dec-10
CON_UG_110	Install 4" SDR11 19GMA01-BR901 WT Corr.	3	13-Dec-10	15-Dec-10
CON_UG_115	Install 4" SDR11 19MA42-BR901 WT Corr.	1	21-Dec-10	21-Dec-10
CON_UG_095	Install Duct Bank Duct Bank 0831 to EMH-08	5	01-Dec-10*	07-Dec-10
CON_UG_102	Install 4" 316 SS Injection WW for WT Corr.	5	03-Dec-10	09-Dec-10
Water Treatment Building				
Foundations				
CON730	REBAR / EMBED FABR. WATER BLDG AREA	30	02-Dec-10	13-Jan-11
CON750	REBAR / EMBED FABR. WASTE WATER TREATMENT	30	15-Dec-10	25-Jan-11
CON710	REBAR / EMBED FABR. WATER TREATMNT BLDG	30	23-Dec-10	03-Feb-11



Remaining Summary (LOE) | Critical Remaining Work | Milestone
Remaining Work | Critical Milestone | Summary

TASK filters: NCPA - Detailed CS, NCPA DCS.

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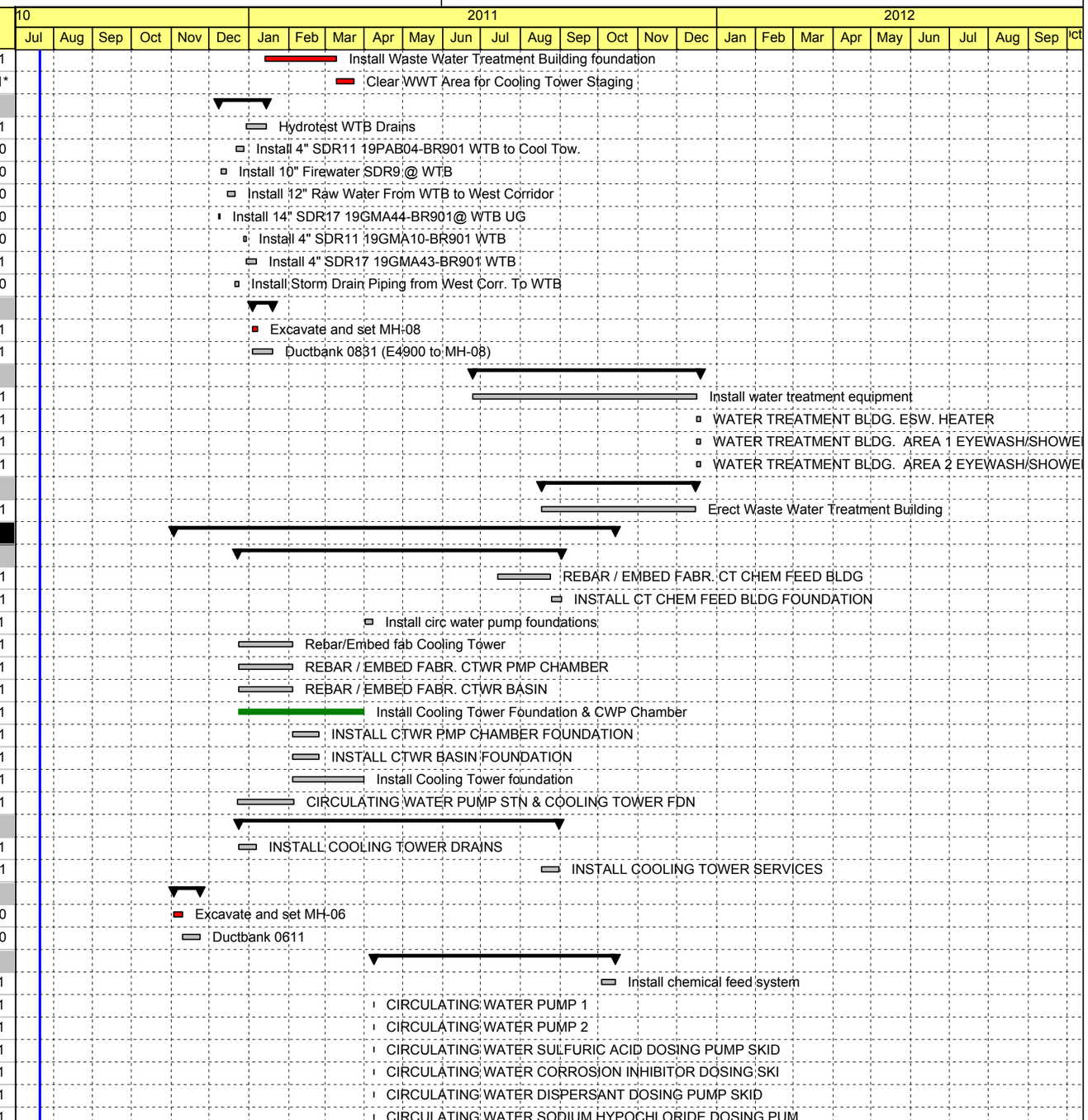
Activity ID	Activity Name	Original Duration	Start	Finish
CON1190	Install Waste Water Treatment Building foundation	40	13-Jan-11	10-Mar-11
CON4200	Clear WWT Area for Cooling Tower Staging	9	10-Mar-11	23-Mar-11*
Piping - Underground				
CON_UG_122	Hydrotest WTB Drains	11	30-Dec-10	14-Jan-11
CON_UG_119	Install 4" SDR11 19PAB04-BR901 WTB to Cool Tow.	3	22-Dec-10	27-Dec-10
CON_UG_125	Install 10" Firewater SDR9 @ WTB	3	10-Dec-10	14-Dec-10
CON_UG_126	Install 12" Raw Water From WTB to West Corridor	4	15-Dec-10	20-Dec-10
CON_UG_124	Install 14" SDR17 19GMA44-BR901@ WTB UG	2	08-Dec-10	09-Dec-10
CON_UG_120	Install 4" SDR11 19GMA10-BR901 WTB	2	28-Dec-10	29-Dec-10
CON_UG_121	Install 4" SDR17 19GMA43-BR901 WTB	5	30-Dec-10	06-Jan-11
CON_UG_127	Install Storm Drain Piping from West Corr. To WTB	3	21-Dec-10	23-Dec-10
Ductbanks/Manholes/Ground Grid				
CON4090	Excavate and set MH-08	5	03-Jan-11*	07-Jan-11
CON5450	Ductbank 0831 (E4900 to MH-08)	13	03-Jan-11*	19-Jan-11
Mechanical Equipment				
CON340	Install water treatment equipment	125	24-Jun-11	16-Dec-11
CON3410	WATER TREATMENT BLDG. ESW. HEATER	1	16-Dec-11	19-Dec-11
CON3420	WATER TREATMENT BLDG. AREA 1 EYEWASH/SHOWER.	1	16-Dec-11	19-Dec-11
CON3430	WATER TREATMENT BLDG. AREA 2 EYEWASH/SHOWER.	1	16-Dec-11	19-Dec-11
Structures/Buildings				
CON160	Erect Waste Water Treatment Building	86	17-Aug-11	15-Dec-11
Cooling Tower Area				
Foundations				
CON470	REBAR / EMBED FABR. CT CHEM FEED BLDG	30	14-Jul-11	24-Aug-11
CON940	INSTALL CT CHEM FEED BLDG FOUNDATION	7	25-Aug-11	02-Sep-11
CON210	Install circ water pump foundations	5	01-Apr-11	07-Apr-11
CON440	Rebar/Embed fab Cooling Tower	30	24-Dec-10	03-Feb-11
CON450	REBAR / EMBED FABR. CTWR PMP CHAMBER	30	24-Dec-10	03-Feb-11
CON460	REBAR / EMBED FABR. CTWR BASIN	30	24-Dec-10	03-Feb-11
CON150	Install Cooling Tower Foundation & CWP Chamber	70	24-Dec-10	31-Mar-11
CON920	INSTALL CTWR PMP CHAMBER FOUNDATION	15	04-Feb-11	24-Feb-11
CON930	INSTALL CTWR BASIN FOUNDATION	15	04-Feb-11	24-Feb-11
CON910	Install Cooling Tower foundation	40	04-Feb-11	31-Mar-11
CON3800	CIRCULATING WATER PUMP STN & COOLING TOWER FDN	32	23-Dec-10	04-Feb-11
Piping - Underground				
CON1720	INSTALL COOLING TOWER DRAINS	10	24-Dec-10	06-Jan-11
CON1730	INSTALL COOLING TOWER SERVICES	10	17-Aug-11	31-Aug-11
Ductbanks/Manholes/Ground Grid				
CON5490	Excavate and set MH-06	5	03-Nov-10	09-Nov-10
CON5500	Ductbank 0611	10	10-Nov-10	23-Nov-10
Mechanical Equipment				
CON380	Install chemical feed system	10	03-Oct-11*	14-Oct-11
CON3070	CIRCULATING WATER PUMP 1	1	08-Apr-11	08-Apr-11
CON3080	CIRCULATING WATER PUMP 2	1	08-Apr-11	08-Apr-11
CON3100	CIRCULATING WATER SULFURIC ACID DOSING PUMP SKID	1	08-Apr-11	08-Apr-11
CON3110	CIRCULATING WATER CORROSION INHIBITOR DOSING SKI	1	08-Apr-11	08-Apr-11
CON3120	CIRCULATING WATER DISPERSANT DOSING PUMP SKID	1	08-Apr-11	08-Apr-11
CON3200	CIRCULATING WATER SODIUM HYPOCHLORIDE DOSING PUM	1	08-Apr-11	08-Apr-11



Remaining Summary (LOE) | Critical Remaining Work | Milestone
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TASK filters: NCPA - Detailed CS, NCPA DCS.

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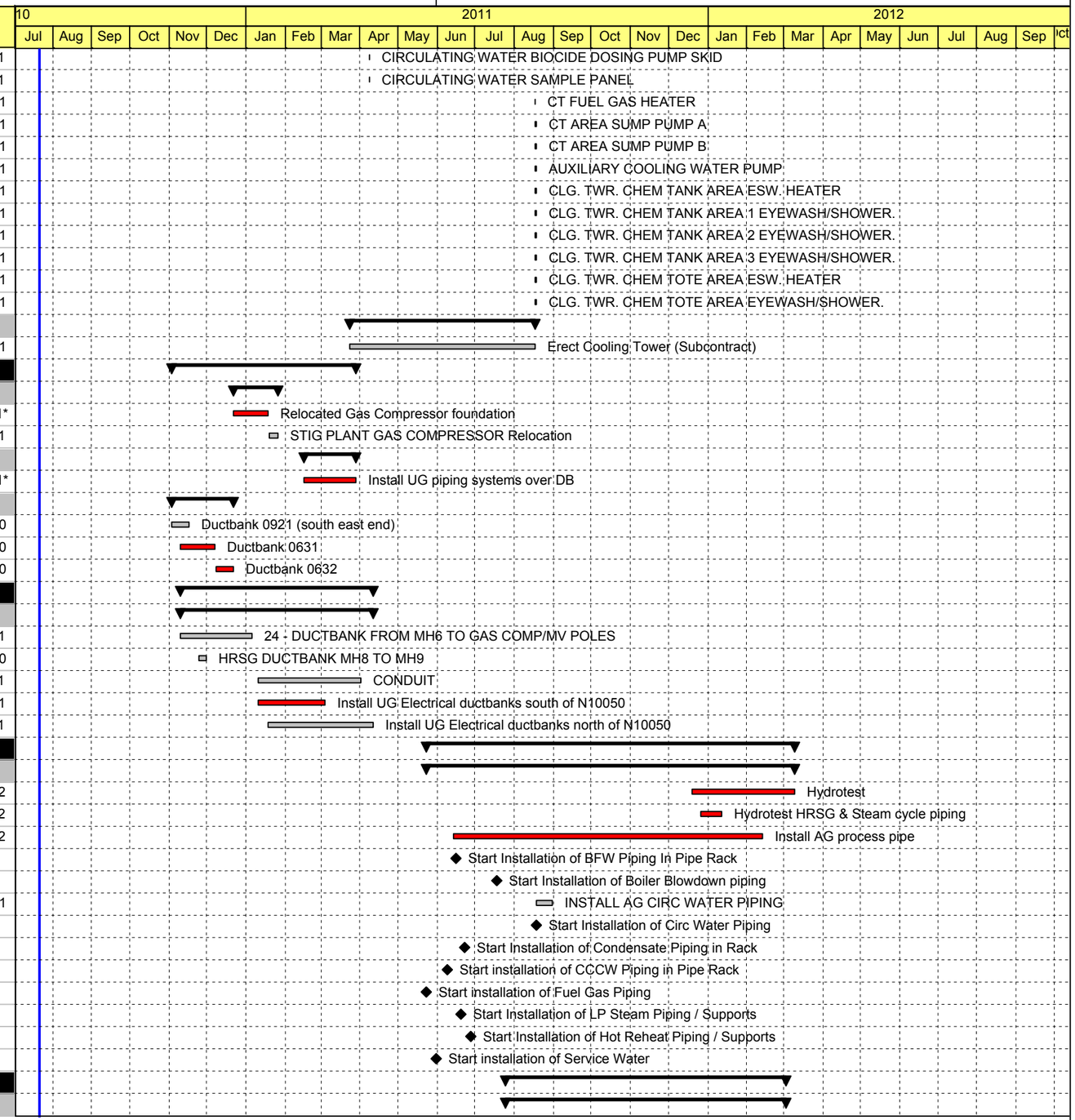
Activity ID	Activity Name	Original Duration	Start	Finish
CON3210	CIRCULATING WATER BIOCIDE DOSING PUMP SKID	1	08-Apr-11	08-Apr-11
CON3280	CIRCULATING WATER SAMPLE PANEL	1	08-Apr-11	08-Apr-11
CON2880	CT FUEL GAS HEATER	0	17-Aug-11	17-Aug-11
CON3020	CT AREA SUMP PUMP A	1	17-Aug-11	18-Aug-11
CON3030	CT AREA SUMP PUMP B	1	17-Aug-11	18-Aug-11
CON3090	AUXILIARY COOLING WATER PUMP	1	17-Aug-11	18-Aug-11
CON3370	CLG. TWR. CHEM TANK AREA ESW. HEATER	1	17-Aug-11	18-Aug-11
CON3380	CLG. TWR. CHEM TANK AREA 1 EYEWASH/SHOWER.	1	17-Aug-11	18-Aug-11
CON3390	CLG. TWR. CHEM TANK AREA 2 EYEWASH/SHOWER.	1	17-Aug-11	18-Aug-11
CON3400	CLG. TWR. CHEM TANK AREA 3 EYEWASH/SHOWER.	1	17-Aug-11	18-Aug-11
CON3440	CLG. TWR. CHEM TOTE AREA ESW. HEATER	1	17-Aug-11	18-Aug-11
CON3450	CLG. TWR. CHEM TOTE AREA EYEWASH/SHOWER.	1	17-Aug-11	18-Aug-11
Other				
CON220	Erect Cooling Tower (Subcontract)	105	23-Mar-11	17-Aug-11
Relocated Gas Compressor Area				
Foundations				
CON5190	Relocated Gas Compressor foundation	20	22-Dec-10	18-Jan-11*
CON3900	STIG PLANT GAS COMPRESSOR Relocation	6	19-Jan-11	26-Jan-11
Piping - Underground				
CON4310	Install UG piping systems over DB	30	15-Feb-11	28-Mar-11*
Ductbanks/Manholes/Ground Grid				
CON5710	Ductbank 0921 (south east end)	10	03-Nov-10	16-Nov-10
CON5510	Ductbank 0631	20	10-Nov-10	07-Dec-10
CON5700	Ductbank 0632	10	08-Dec-10	21-Dec-10
UG Ductbanks/Manholes				
Ductbanks/Manholes/Ground Grid				
CON1550	24 - DUCTBANK FROM MH6 TO GAS COMP/MV POLES	41	10-Nov-10	05-Jan-11
CON1700	HRSG DUCTBANK MH8 TO MH9	5	24-Nov-10	30-Nov-10
CON1340	CONDUIT	60	10-Jan-11	01-Apr-11
CON130	Install UG Electrical ductbanks south of N10050	40	10-Jan-11	04-Mar-11
CON420	Install UG Electrical ductbanks north of N10050	60	18-Jan-11	11-Apr-11
Above Ground Pipe				
Piping - Above Ground				
CON275	Hydrotest	60	19-Dec-11	09-Mar-12
CON274	Hydrotest HRSG & Steam cycle piping	14	26-Dec-11	12-Jan-12
CON230	Install AG process pipe	175	14-Jun-11	13-Feb-12
CON_AG_16	Start Installation of BFW Piping In Pipe Rack	0	16-Jun-11	
CON_AG_32	Start Installation of Boiler Blowdown piping	0	18-Jul-11*	
CON410	INSTALL AG CIRC WATER PIPING	10	18-Aug-11	31-Aug-11
CON_AG_71	Start Installation of Circ Water Piping	0	18-Aug-11*	
CON_AG_24	Start Installation of Condensate Piping in Rack	0	23-Jun-11	
CON_AG_08	Start installation of CCCW Piping in Pipe Rack	0	09-Jun-11	
CON_AG_39	Start installation of Fuel Gas Piping	0	23-May-11*	
CON_AG_54	Start Installation of LP Steam Piping / Supports	0	20-Jun-11*	
CON_AG_62	Start Installation of Hot Reheat Piping / Supports	0	27-Jun-11*	
CON_AG_46	Start installation of Service Water	0	31-May-11*	
Cable Tray, conduit, cable, terminations				
Electrical				



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Remaining Work | Critical Milestone | Summary

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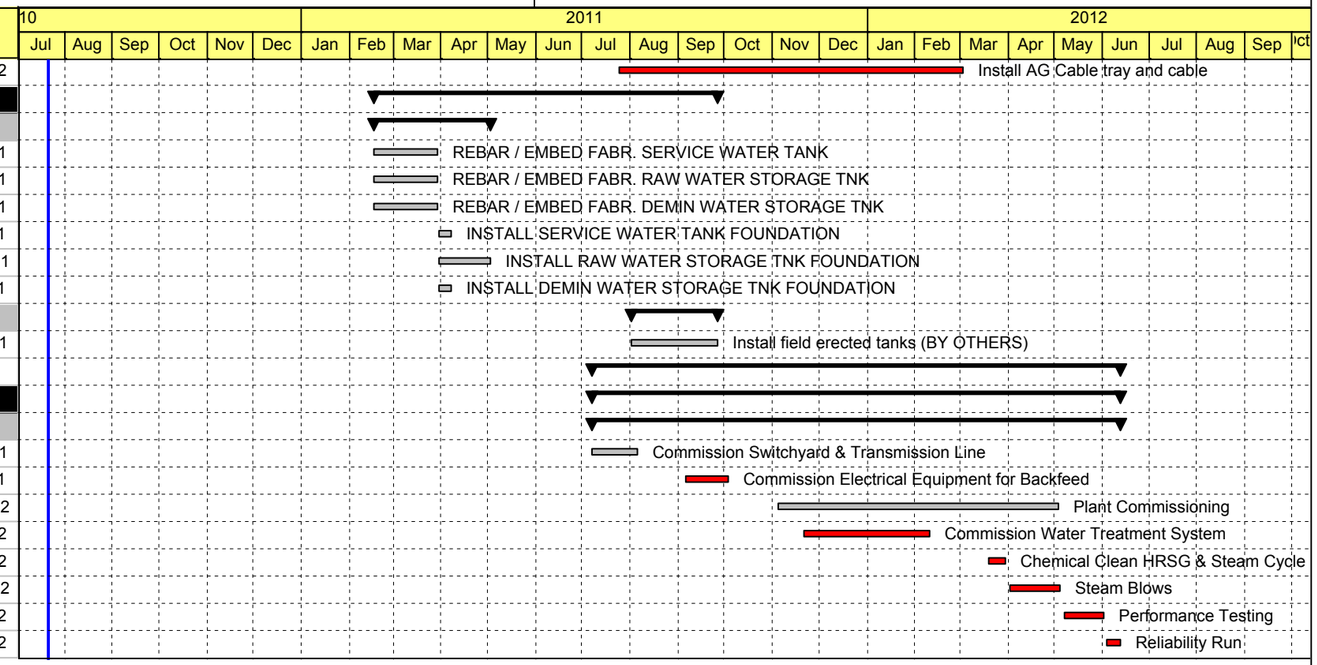
Activity ID	Activity Name	Original Duration	Start	Finish
CON280	Install AG Cable tray and cable	160	25-Jul-11	02-Mar-12
Field erected tanks (BY OTHERS)				
Foundations				
CON700	REBAR / EMBED FABR. SERVICE WATER TANK	30	16-Feb-11	29-Mar-11
CON720	REBAR / EMBED FABR. RAW WATER STORAGE TNK	30	16-Feb-11	29-Mar-11
CON740	REBAR / EMBED FABR. DEMIN WATER STORAGE TNK	30	16-Feb-11	29-Mar-11
CON1140	INSTALL SERVICE WATER TANK FOUNDATION	7	30-Mar-11	07-Apr-11
CON1160	INSTALL RAW WATER STORAGE TNK FOUNDATION	24	30-Mar-11	02-May-11
CON1180	INSTALL DEMIN WATER STORAGE TNK FOUNDATION	7	30-Mar-11	07-Apr-11
Other				
CON330	Install field erected tanks (BY OTHERS)	40	02-Aug-11	26-Sep-11
Plant Commissioning				
Overall/all areas				
Startup & Commissioning				
COM100	Commission Switchyard & Transmission Line	22	07-Jul-11	05-Aug-11
COM110	Commission Electrical Equipment for Backfeed	20	06-Sep-11	03-Oct-11
COM120	Plant Commissioning	130	04-Nov-11	03-May-12
COM130	Commission Water Treatment System	60	21-Nov-11	10-Feb-12
COM135	Chemical Clean HRSG & Steam Cycle Piping	10	19-Mar-12	30-Mar-12
COM140	Steam Blows	25	02-Apr-12	04-May-12
COM150	Performance Testing	20	07-May-12	01-Jun-12
COM160	Reliability Run	7	04-Jun-12	12-Jun-12



Remaining Summary (LOE) | Critical Remaining Work | Milestone
Remaining Work | Critical Milestone | Summary

TASK filters: NCPA - Detailed CS, NCPA DCS.

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Exhibit 2

Key Events List

KEY EVENTS LIST

PROJECT: LODI ENERGY CENTER

DOCKET #: 08-AFC-10C

COMPLIANCE PROJECT MANAGER: CHRISTINE STORA

EVENT DESCRIPTION	DATE
Certification Date	4/21/10
Obtain Site Control	3/22/10
Online Date	JUNE 2012
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	7/30/10
Start Ground Disturbance	8/7/10
Start Grading	8/7/10
Start Construction	10/1/10
Begin Pouring Major Foundation Concrete	10/8/10
Begin Installation of Major Equipment	11/1/10
Completion of Installation of Major Equipment	3/5/12
First Combustion of Gas Turbine	3/23/12
Obtain Building Occupation Permit	?
Start Commercial Operation	6/1/12
Complete All Construction	6/1/12
TRANSMISSION LINE ACTIVITIES	
Start T/L Construction	6/8/11
Synchronization with Grid and Interconnection	3/29/12
Complete T/L Construction	7/5/11
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	TBD
Complete Gas Pipeline Construction	2/1/12
WATER SUPPLY LINE ACTIVITIES	
Start Water Supply Line Construction	11/15/11
Complete Water Supply Line Construction	11/23/11

Exhibit 3

Construction Photographs

3.0 ATTACHMENTS

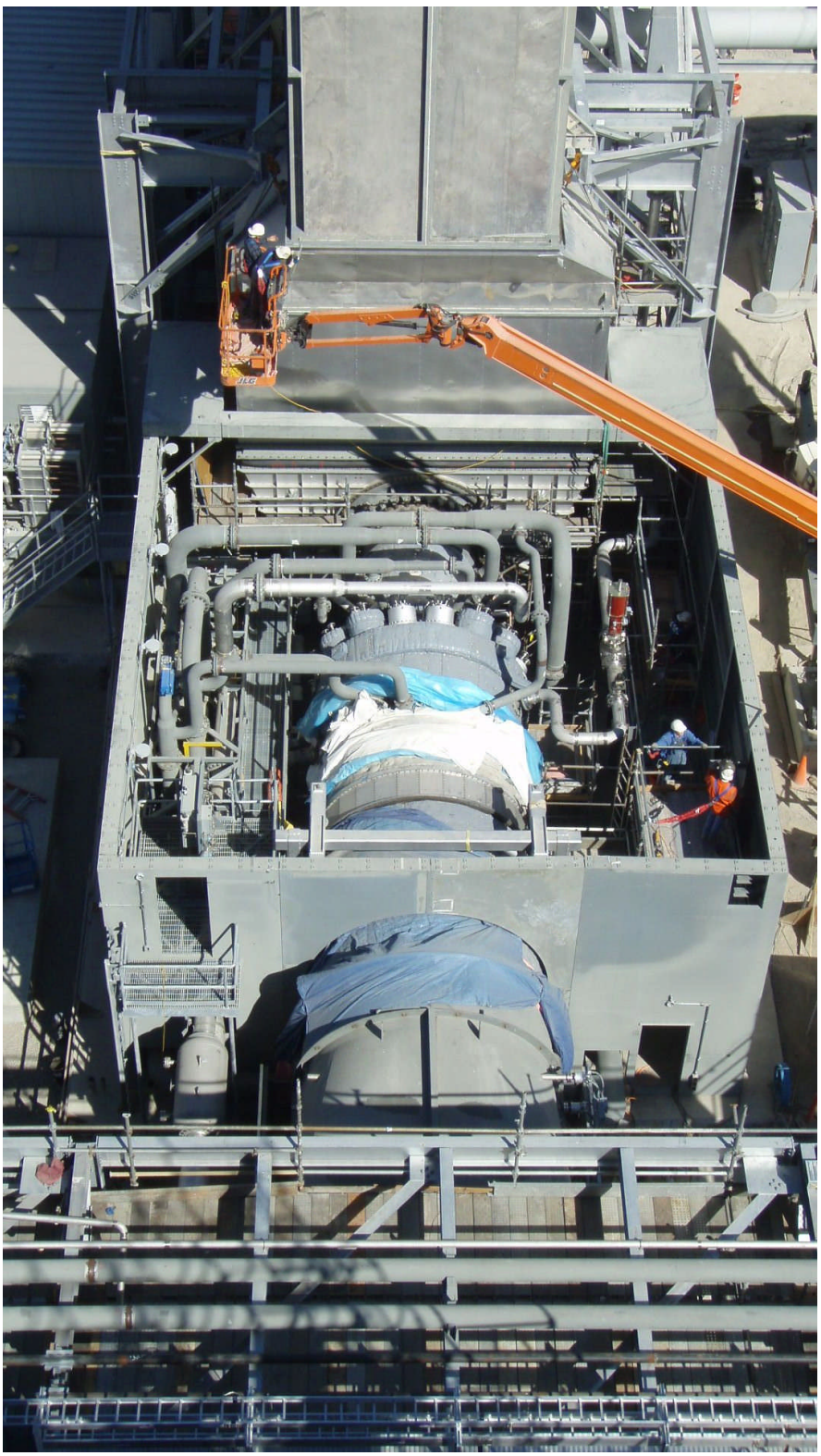
3.1 PROJECT PHOTOGRAPHS

CTWR Circ Water Header

STG Enclosure (looking west)

STG LO Skid (looking north)

STG GSU Foundation



CT (looking north)

BOP HRSG Pipe Rack (looking south)

Water Treatment Area Silos (looking north)

Water Treatment Builidng (looking southwest)

Southwest corner of the Water Treatment Building

Water Treatment Building (looking southeast)

Exhibit 4

WorleyParsons Monthly Progress Report

Manpower

As of the end of August a job total of 406,918 manhours were expended; and 51,121 manhours were expended in August alone. Manpower averaged 275 for the month, and was approximately 267 at the end of the month.

Construction

HRSG:

- Completed installation of the Ammonia Injection Grid (AIG).
- Continued to install HP, IP & LP interconnecting trim piping.
- Continued installing large bore pipe supports.
- Continued installing thermowells.
- Making preparations for HRSG hydrotest.

BOP Pipe Rack:

- Continued loading the pipe rack and fitting feedwater, cooling water, control air and fuel gas pipe spools.
- Completed the erection of the west-side pipe rack inside the steam turbine building.
- Started erection of the pipe rack south of the Steam Turbine building.

CTG:

- Continued erecting the structural steel supports for the air intake structure, started assembling the air intake duct and filter house.
- Continued erection of the CTG Isophase Bus Duct.
- Continued installing the Lube Oil MBV piping.
- Completed installing the compressor bleed air piping.
- Continued erecting the CT enclosure.

- Installed platforms around the collector.
- Installed air heating pipe to the intake duct.
- Installed cooling water piping to the CTG coolers.

STG:

- Placed the Fire Pump house foundation.
- Continued welding the condenser shell.
- Assembled the Manitowac 2250 to be used to set the ST and STG in the building.
- Millwrights started laying out and setting the steam turbine generator sole plates.
- The lube oil skid was set in the building.

- The reduction gear and HP turbine were delivered to site.
- Completed piperack foundations in the STG Area.

SWITCHYARD AREA & TRANSMISSION LINE:

- Cupertino Electric Co. (CEI) continued with installation work in the 230KV Switchyard by completing the yard foundations, set all structures including the deadend structure, installed cable busses and CTs. Conduit work for controls continues.
- Erected the 230 KV poles from F1 to F5 (only F6 foundation remains which could not be installed due to the STG GSU being stored in that location).

WATER TREATMENT AREA:

- Erected the clarified water storage tank.
- Started installing the interconnecting piping between skids and pumps.
- Completed the setting of block walls and grouting.
- Continued erecting the Water Treatment Building steel, walls and roof.
- Continued setting equipment skids inside the WTB.

MISC YARD AREAS:

- Complete all ductbanks and underground piping.
- Backfill the general plant area, install road subgrade between the units.

Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 01, 2011 10:09 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

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APPROVED: Pipe Supports Fuel Gas (Lisega)
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This message was sent to Adelia Bartelme, Ed Warner, Jeremy Lawson, Joe Bittner, Laura Lochridge, Louise Oliveira, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Hughes, and Susan Christopherson.

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 01, 2011 11:36 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.29 (REV 0) (110801).zip
APPROVED: Pipe Supports - Steam Turbine Service (Lisega)
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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 01, 2011 11:54 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.28 (REV 0) (110801).zip
APPROVED: Pipe Supports - Cold Reheat Steam (Lisega)
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Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 01, 2011 11:56 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 47.0 (REV 4) (110801).zip
REVIEWED FOR REFERENCE: HP Steam Isometrics for CRH Desuperheating
Download this file 936.7 KB
Category: -Plan Review REFERENCE ONLY

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 01, 2011 12:57 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

STRUCT-01A 55.1 (REV 0) (110801).zip
REVIEWED FOR REFERENCE: Misc. Bus Duct Support Foundation
Download this file 132.8 KB
Category: -Plan Review REFERENCE ONLY

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 08, 2011 9:00 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.30 (REV 0) (110808).zip

APPROVED: Boiler Blowdown and LP Steam Pipe Supports (Lisega)

Download this file 1.1 MB

Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 08, 2011 12:31 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.22 (REV 1) (110808).zip
APPROVED: Pipe Supports - Boiler Feedwater (Lisega)
Download this file 6.7 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 08, 2011 2:16 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.25 (REV 1) (110808).zip

APPROVED: Pipe Supports - Low Pressure Steam (Lisega)

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 08, 2011 2:43 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 85.0 (REV 0) (110808).zip

REVIEWED FOR REFERENCE: Miscellaneous Above Ground Isometrics

Download this file 1.9 MB

Category: -Plan Review REFERENCE ONLY

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 10, 2011 10:55 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

GEN-6 13.0 (REV 0) (110810).zip

APPROVED: ATCO - Application for Approved Fabricator

Download this file 4 MB

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 10, 2011 12:27 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

STRUCT-01A 32.0 (REV 2) (110810).zip
CONDITIONAL APPROVAL: WTB Area Foundation Calc and Dwg
Download this file 12.4 MB
Category: -Plan Review CONDTITIONAL APPROVAL

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 9:20 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.14 (REV 0) (110812).zip
APPROVED: Pipe Supports HP Steam (Lisega)
Download this file 3 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 9:30 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.15 (REV 0) (110812).zip
APPROVED: Pipe Supports Cold Reheat Steam (Lisega)
Download this file 3.4 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 9:39 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.16 (REV 0) (110812).zip
APPROVED: Pipe Supports LP Steam (Lisega)
Download this file 2.9 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 9:46 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.17 (REV 0) (110812).zip
APPROVED: Pipe Supports Condensate System (Lisega)
Download this file 2.2 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 10:53 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.31 (REV 0) (110812).zip
APPROVED: HP Steam and Boiler Blowdown Pipe Supports (Lisega)
Download this file 21.2 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 1:51 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

GEN-6 10.0 (REV 0) (110812).zip
APPROVAL: IMMSA Application for Fabricator - Stairs and Platforms
Download this file 682.2 KB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 2:05 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

GEN-6 12.0 (REV 0) (110812).zip
APPROVED: IMMSA Application for Approved Fabricator - Inlet Filter
Download this file 1 MB
Category: -Plan Review APPROVALS

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Delivered by Basecamp

Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 17, 2011 9:20 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.32 (REV 0) (110817).zip
APPROVED: Pipe Supports - Boiler Blowdown (Lisega)
Download this file 2.2 MB
Category: -Plan Review APPROVALS

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This message was sent to Adelia Bartelme, Ed Warner, Jeremy Lawson, Joe Bittner, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Hughes, and Susan Christopherson.

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Tuesday, August 23, 2011 9:39 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.33 (REV 0) (110823).zip
APPROVED: Pipe Supports - Boiler Blowdown (Lisega)
Download this file 10.4 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 29, 2011 9:13 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

STRUCT-01A 61.0 (REV 0) (110829).zip
APPROVED: Miscellaneous Pipe Support Foundations
Download this file 106.3 KB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Tuesday, August 30, 2011 9:13 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.34 (REV 0) (110830).zip
APPROVED: Pipe Supports - Hot Reheat Steam (Lisega)
Download this file 923 KB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Tuesday, August 30, 2011 9:29 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 68.35 (REV 0) (110830).zip
APPROVED: Pipe Supports - Boiler Blowdown (Lisega)
Download this file 5.8 MB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 31, 2011 10:10 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

ELEC-01 24.0 (REV 3) (110831).zip
APPROVED: Electrical Cable Tray Layout
Download this file 142 KB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 31, 2011 10:14 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

ELEC-01 24.4 (REV 1) (110831).zip
APPROVED: Electrical Cable Tray Layout
Download this file 121.9 KB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 31, 2011 10:13 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded
Follow Up Flag: Follow up
Flag Status: Completed

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

ELEC-01 24.3 (REV 2) (110831).zip
APPROVED: Electrical Cable Tray Layout
Download this file 161.5 KB
Category: -Plan Review APPROVALS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 05, 2011 3:37 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

MECH-01A 94.0 (REV 0) (110805).zip
COMMENTS: System Descriptions - Ammonia Dosing and Fire Protection
Download this file 228.6 KB
Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Wednesday, August 10, 2011 11:47 AM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

GEN-6 9.0 (REV 0) (110810).zip
COMMENTS: Siemens - Project Quality Manual
Download this file 89 KB
Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 1:40 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

STRUCT-01A 60.0 (REV 1) (110812).zip
COMMENTS: Waste Water Injection Tank Calc and Dwgs
Download this file 86.1 KB
Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 12, 2011 3:49 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

STRUCT-01A 60.2 (REV 0) (110812).zip
COMMENTS: Service Water Storage Tank (Pacific Tank)
Download this file 96 KB
Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Monday, August 15, 2011 12:45 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

GEN-6 11.0 (REV 0) (110815).zip
COMMENTS: Universal Silencer Application for Approved Fabricator
Download this file 76.1 KB
Category: -Plan Review COMMENTS

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Hays, Nancy (Sacramento)

From: Stacey Hughes [notifications@trbplus.basecamphq.com]
Sent: Friday, August 26, 2011 2:58 PM
To: Hays, Nancy (Sacramento)
Subject: [Lodi Energy Center] A new file has been uploaded

Project: Lodi Energy Center
Company: TRB and Associates

Stacey Hughes uploaded a new file:

STRUCT-01A 60.1 (REV 0) (110826).zip
COMMENTS: Demineralized Water Storage Tank (Pacific Tank)
Download this file 85.7 KB
Category: -Plan Review COMMENTS

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This message was sent to Adelia Bartelme, Ed Warner, Jeremy Lawson, Joe Bittner, Marc Pelletier, Michael DeBortoli, Nancy Hays, Stacey Hughes, and Susan Christopherson.

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Exhibit 5

Look Ahead Schedules

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, July 31, 2011**

Description	Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK							COMMENTS
		July					August														August									
	Date	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
General Activities																														
Fabricate A/G Pipe Field and Shop Fabrication																														
Secondary Access Road Modifications																														
White Slough Underground Raw Water and Storm Drain																														Excavation for Raw water and Storm drain tie in.
Switchyard Construction																														Detailing, conduit, cable and backfill
230 KV Pole Line Foundation																														F-1, F-2, F-3 & F-4 complete, Drilling F-5, poured 7/25 Woodward and driller to demob until later date
Set 230 KV Pole and pull cable																														Pole setting pending concrete brakes
STG Area																														
Assemble Condensor																														Continue on Transition and water boxes
STG Building A/G Electrical																														
Excavate, Form, Rebar, Pour STG GSU Foundation																														
Receive, Install Interior Rack, Support Steel																														
Install STG Misc. Pipe Rack Foundations/Heat Exchangers/Skids																														
Receive, Set Equipment Inside ST Building																														Pending Delivery and Bigge Mob Date.
Erect STG Enclosure Building/Open Penetrations, Install ladders, Roof Walkways																														Trim out and cut penitrations, install ladders & walkways
Install AC units and duct work (ACCO)																														
Install Fire Protection System (Summit)																														
HRSG Area																														
Install AIG Piping																														Continue East side
Install HRSG Large Bore Pipe & Supports																														
HRSG Vendor Supplied Pipe Fabrication																														
Install BOP Pipe & Supports East/West Pipe Rack/ Closed cooling water, Boiler blowdown																														
Install Lower HRSG Interconnecting Piping																														
Install Exterior HRSG Drains																														
Install Cable Tray and Lighting																														
Pipe Rack Steel erection																														Finish misc. handrail details/ Repairs
East Area																														
Excavate and install UG Drains for Fuel Gas compressor to OWS																														
Continue remainder DB #331/Fuel Gas compressor foundation																														Form and Pour Chimneys
Form, Rebar, Pour Fuel Gas Compressor foundation																														
West Area																														
PDC #1 Support & Cable Tray/Pull Cable/Terminations																														Continue Terminations
PDC #2 Support & Cable Tray/Misc. Electrical/Cable Pulls/ Terminations																														Cable Pulls from PDC # 1, Continue Terminations
Excavate, Conduit, Embeds, Form, Rebar, Pour Aux. Boiler foundation																														
Install UG Pipe																														
Install Roto Air duct																														
Form, Rebar, Pour 480V transformer & Misc.foundations @ PDC # 2																														

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, July 31, 2011**

Description	Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK							COMMENTS
		July							August							August							August							
	Date	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
Water Treatment Corridor																														
Install Water Treament Corridor East to West Underground Pipe																														Working Backfill with tank foundations
Water Treatment Building																														
WTB Foundation																														
Install Ist floor Block wall																														Mob Masonry Contractor, install dowels
Rough Set Equipment																														Continue after Building Erection
Excavate, Form, Rebar, Pour Chem. Feed Trench and Foundation																														Chemical area Foundation to be completed @ later date
Excavate, Form, Rebar, Pour Lime Silo Foundation																														
Excavate, Form, Rebar, Pour Raw Water Treatment (Clarifier) Foundation																														
Receive and shake out WTB Steel/Erect Building																														
Cooling Tower Area																														
Receive, Install Circ Water Pipe at Cooling Tower/ Coat inside and out																														Waiting on Valve delivery
Set Fence Posts, Pour Concrete and Grout Sadles South of Basin																														
Grout, Caulk, Seal Basin																														
CTG Area																														
CTG																														
Erect Generator Enclosure																														Rework of Panels complete, Received and replacing bolts.
Erect CT Enclosure																														Roof being left open for pipe access. Close @ later date
Install Lube oil Piping																														
Install Cooling/ Bleed Air Piping																														
CTG Misc.Electrical/ Conduit, Pull Cable																														
Install Air Intake Steel/Filter House																														
Set Collector Blower Motors/Ductwork and Platforms																														Rework Platforms, (Siemens)
North Area																														
Shake Out, install ISO Phase Bushings, Steel, Bus Duct & Cable																														
Excavate, install DB #211																														
Dress out CTG Step Up Transformer																														Oil fill complete 7/22, continue dress out

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 07, 2011**

Description	Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK							COMMENTS
		July							August														August							
	Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
General Activities																														
Fabricate A/G Pipe Field and Shop Fabrication																														
Secondary Access Road Modifications																														
Excavate and install Street lighting foundations																														
White Slough Underground Raw Water and Storm Drain																														Tie in complete, working backfill
Switchyard Construction																														Detailing, conduit, cable and backfill
230 KV Pole Line Foundation																														F-1, F-2, F-3 & F-4 complete, Drilling F-5, poured 7/25
																														Woodward and driller to demob until later date
Set 230 KV Pole and pull cable																														Pole setting pending concrete brakes
STG Area																														
Assemble Condensor																														Continue on Transition and water boxes
STG Building A/G Electrical																														
Excavate, Form, Rebar, Pour STG GSU Foundation																														
Receive, Install Interior Rack, Support Steel																														
Install STG Misc. Pipe Rack Foundations/Heat Exchangers/Skids																														
Receive, Set Equipment Inside ST Building																														Pending Delivery and Bigge Mob Date.
Dresser Rand Mob on Site, Prep For ST, STG																														
Erect STG Enclosure Building/Open Penetrations, Install ladders, Roof Walkways																														Trim out and cut penitrations, install ladders & walkways
HRSG Area																														
Install AIG Piping																														Continue East side
Install HRSG Large Bore Pipe & Supports																														
HRSG Vendor Supplied Pipe Fabrication																														
Install BOP Pipe & Supports East/West Pipe Rack/ Closed Cooling water, Boiler Feedwater																														
Install Lower HRSG Interconnecting Piping																														
Install Exterior HRSG Drains																														
Install Cable Tray and Lighting																														
Pipe Rack Steel erection																														Finish misc. handrail details/ Repairs
East Area																														
Excavate and install UG Drains for Fuel Gas compressor to OWS																														
Continue remainder DB #331/Fuel Gas compressor foundation																														Form and Pour Chimneys
Form, Rebar, Pour Fuel Gas Compressor foundation																														
West Area																														
PDC #1 Support & Cable Tray/Pull Cable/Terminations																														Continue Terminations
PDC #2 Support & Cable Tray/Misc. Electrical/Cable Pulls/ Terminations																														Cable Pulls from PDC # 1, Continue Terminations
Excavate, Conduit, Embeds, Form, Rebar, Pour Aux. Boiler foundation																														
Install UG Pipe																														
Install Roto Air duct																														

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - Sunday, August 07, 2011

Description	Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK							COMMENTS
		July							August														August							
	Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
Form, Rebar, Pour 480V transformer & Misc.foundations @ PDC # 2																														
Water Treatment Corridor																														
Install Water Treament Corridor East to West Underground Pipe																														Working Backfill with tank foundations
Water Treatment Building																														
WTB Foundation																														
Install Ist floor Block wall																														Mob Masonry Contractor, install dowels
Rough Set Equipment																														Continue after Building Erection
Excavate, Form, Rebar, Pour Chem. Feed Trench and Foundation																														Chemical area Foundation to be completed @ later date
Prep and Set Lime Silos																														
Excavate, Form, Rebar, Pour Raw Water Treatment (Clarifier) Foundation																														
Excavate and install mics. Drain lines																														
Receive and shake out WTB Steel/Erect Building																														
Cooling Tower Area																														
Receive, Install Circ Water Pipe at Cooling Tower/ Coat inside and out																														Waiting on Valve delivery
Set Fence Posts, Pour Concrete and Grout Sadles South of Basin																														
Grout, Caulk, Seal Basin																														
CTG Area																														
CTG																														
Erect Generator Enclosure																														Rework of Panels complete, Received and replacing bolts.
Erect CT Enclosure																														Roof being left open for pipe access. Close @ later date
Install Lube oil Piping																														
Install Cooling/ Bleed Air Piping																														
CTG Misc.Electrical/ Conduit, Pull Cable																														
Install Air Intake Steel/Filter House																														
Set Collector Blower Motors/Ductwork and Platforms																														Rework Platforms, (Siemens)
North Area																														
Shake Out, install ISO Phase Bushings, Steel, Bus Duct & Cable																														
Dress out CTG Step Up Transformer																														Oil fill complete 7/22, continue dress out

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 14, 2011**

	August																																
Week	LAST WEEK							FIRST WEEK								SECOND WEEK								THIRD WEEK									
Date	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	26	27	28					
Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S					
General Activities																																	
Fabricate A/G Pipe Field and Shop Fabrication																																	
Excavate and install Street lighting foundations																																	
White Slough Underground Raw Water and Storm Drain																																	Complete
Switchyard Construction																																	Bolting issues addressed
230 KV Pole Line Foundation																																	Mob to Drill F-8
Set 230 KV Pole and pull cable																																	Pole setting to start 8/17
STG Area																																	
Assemble Condensor																																	Continue on Transition and water boxes
STG Building A/G Electrical																																	
Excavate, Form, Rebar, Pour STG GSU Foundation																																	
Receive, Install Interior Rack, Support Steel																																	
Install STG Misc. Pipe Rack Foundations/Heat Exchangers/Skids																																	
Install equipment/ Housekeeping pads inside building																																	
Shake out install STG pipe rack steel																																	
Receive, Set Equipment Inside ST Building																																	Pending Delivery and Bigge Mob Date.
Dresser Rand Mob on Site, Prep For ST, STG																																	
Erect STG Enclosure Building/Open Penetrations, Install ladders, Roof Walkways																																	Trim out and cut penitrations, install ladders & walkways
HRSG Area																																	
Install AIG Piping																																	
Install HRSG Large Bore Supports																																	
HRSG Vendor Supplied Pipe Fabrication																																	
Install BOP Pipe & Supports East/West Pipe Rack																																	Continue pending recept of customer supplied pipe
Install Lower HRSG Interconnecting Piping																																	Complete
Install Exterior HRSG Drains																																	Complete
Install Cable Tray and Lighting																																	
Pipe Rack Steel erection																																	Finish misc. handrail details/ Repairs
East Area																																	
Excavate and install UG Drains for Fuel Gas compressor to OWS																																	
Form, Rebar, Pour Fuel Gas Compressor foundation																																	
West Area																																	
PDC #1 Support & Cable Tray/Pull Cable/Terminations																																	Continue Terminations
PDC #2 Support & Cable Tray/Misc. Electrical/Cable Pulls/ Terminations																																	Cable Pulls from PDC # 1, Continue Terminations
Excavate, Conduit, Embeds, Form, Rebar, Pour Aux. Boiler foundation																																	
Receive Steel, Shake out, Preassemble, Install																																	
Set Aux. Boiler																																	
Install Roto Air duct																																	Complete

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 14, 2011**

	August																														
	August																							September							
Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK									
Date	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	26	27	28			
Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S			

Description	COMMENTS
Form, Rebar, Pour 480V transformer Iso-phase foundations @ PDC # 2	Iso-phase piers
Water Treatment Building	
WTB Foundation	
Install Ist floor Block wall	Mob Masonry Contractor, install dowels
Install Misc. LB, SB piping	
Rough Set Equipment	Continue after Building and Mezzanine deck erection
Excavate, Form, Rebar, Pour Chem. Feed Trench and Foundation	Chemical area Foundation to start next week
Prep Foundations and Erect Lime Silos	
Excavate, Form, Rebar, Pour Raw Water Treatment (Clarifier) Foundation	
Erect Clarified water tank	
Excavate and install mics. Drain lines	
Receive and shake out WTB Steel/Erect Building	
Cooling Tower Area	
Receive, Install Circ Water Pipe at Cooling Tower/ Coat inside and out	Waiting on Valve delivery
Set Fence Posts, Pour Concrete and Grout Sadles South of Basin	
Grout, Caulk, Seal Basin	
CTG Area	
CTG	
Erect Generator Enclosure	Rework of Panels complete, Received and replacing bolts.
Erect CT Enclosure	Roof being left open for pipe access. Close @ later date
Install Lube oil Piping	
Install Cooling/ Bleed Air Piping	
CTG Misc.Electrical/ Conduit, Pull Cable	
Install Air Intake Steel/Filter House	
Set Collector Blower Motors/Ductwork and Platforms	Rework Platforms, (Siemens)
North Area	
Shake Out, install ISO Phase Bushings, Steel, Bus Duct & Cable	
Dress out CTG Step Up Transformer	

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 21, 2011**

Description	Comments
General Activities	
Fabricate A/G Pipe Field and Shop Fabrication	
Excavate and install Street lighting foundations, Conduit, Grounding	
Switchyard Construction	Bolting issues addressed
230 KV Pole Line Foundation	Mob to Drill F-8
Set 230 KV Pole and pull cable	Pole setting to start 8/17
STG Area	
Assemble Condensor	Continue on Transition and water boxes
STG Building A/G Electrical	
Excavate, Form, Rebar, Pour STG GSU Foundation	Pad and pier complete, rebar and forming walls.
Receive, Install Interior Rack, Support Steel	
Install STG Misc. Pipe Rack Foundations/Heat Exchangers/Pump Skids	
Install equipment/ Housekeeping pads inside building	
Shake out install STG pipe rack steel	
Receive, Set Equipment Inside ST Building	Pending Delivery and Bigge Mob Date.
Dresser Rand Mob on Site, Prep For ST, STG	
Erect STG Enclosure Building/Open Penetrations, Install ladders, Roof Walkways	Trim out and cut penitrations, install ladders & walkways
HRSG Area	
Install AIG Piping	
Install HRSG Large Bore Supports	
HRSG Vendor Supplied Pipe Fabrication	
Install BOP Pipe & Supports East/West Pipe Rack	Continue pending recept of customer supplied pipe
Install Cable Tray and Lighting	
Pipe Rack Steel erection	Finish misc. handrail details/ Repairs
East Area	
Excavate and install UG Drains for Fuel Gas compressor to OWS	
Form, Rebar, Pour Fuel Gas Compressor foundation	
West Area	
PDC #1 Support & Cable Tray/Pull Cable/Terminations	Continue Terminations
PDC #2 Support & Cable Tray/Misc. Electrical/Cable Pulls/ Terminations	Cable Pulls from PDC # 1, Continue Terminations
Excavate, Conduit, Embeds, Form, Rebar, Pour Aux. Boiler foundation	
Receive Steel, Shake out, Preassemble, Install	
Set Aux. Boiler	
Form, Rebar, Pour 480V transformer Iso-phase foundations @ PDC # 1	Iso-phase piers
Water Treatment Building	
WTB Foundation	
Install Ist floor Block wall	Mob Masonry Contractor, install dowels

Schedule columns: August — LAST WEEK: 15 M, 16 T, 17 W, 18 T, 19 F, 20 S, 21 S; August — FIRST WEEK: 22 M, 23 T, 24 W, 25 T, 26 F, 27 S, 28 S; SECOND WEEK: 29 M, 30 T, 31 W, 1 T, 2 F, 3 S, 4 S; September — THIRD WEEK: 5 M, 6 T, 7 W, 8 T, 9 F, 10 S, 11 S

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 21, 2011**

		August												August														September		
Description	Week	LAST WEEK							FIRST WEEK							SECOND WEEK							THIRD WEEK							COMMENTS
	Date	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
Install Misc. LB, SB piping																														
Rough Set Equipment																														Continue after Building and Mezzanine deck erection
Excavate, Form, Rebar, Pour Chem. Feed Trench and Foundation																														Chemical area Foundation to start next week
Prep Foundations and Erect Lime Silos																														
Excavate, Form, Rebar, Pour Raw Water Treatment (Clarifier) Foundation																														
Erect Clarified water tank																														
Excavate and install mics. Drain lines																														
Receive and shake out WTB Steel/Erect Building																														Erector to mob @ end of next week
Cooling Tower Area																														
Receive, Install Circ Water Pipe at Cooling Tower/ Coat inside and out																														Waiting on Valve delivery
Receive and set Circ. Water pumps																														
CTG Area																														
CTG																														
Erect Generator Enclosure																														Rework of Panels complete, Received and replacing bolts.
Erect CT Enclosure																														Roof being left open for pipe access. Close @ later date
Install Fuel Gas Piping																														
Install Cooling/ Bleed Air Piping																														
CTG Misc.Electrical/ Conduit, Pull Cable																														
Install Air Intake Steel/Filter House																														
North Area																														
Shake Out, install ISO Phase Bushings, Steel, Bus Duct & Cable, Weld splices																														

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 28, 2011**

Description	Week	LAST WEEK							FIRST WEEK								SECOND WEEK							THIRD WEEK							COMMENTS
		August							September								September							September							
	Date	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S		
General Activities																															
Fabricate A/G Pipe Field and Shop Fabrication																															
Excavate and install Street lighting foundations, Conduit, Grounding																															
Switchyard Construction																														Bolting issues addressed	
230 KV Pole Line Foundation																														Mob to Drill F-8	
Set 230 KV Pole and pull cable																														Pole setting to start 8/17	
STG Area																															
Assemble Condensor																														Continue on Transition and water boxes Extended neck work After IP Turbine Alignment 9/19	
STG Building A/G Electrical																															
Form, Rebar, Pour STG GSU Foundation																														Pad and pier complete, rebar and forming walls.	
Receive, Install Interior Rack, Support Steel																														Bolting, handrail, grating, moment welds	
Install STG Misc. Pipe Rack Foundations/Heat Exchangers/Pump Skids																															
Install equipment/ Housekeeping pads inside building																															
Shake out install STG pipe rack steel																															
Receive, Rough Set Equipment Inside ST Building																														Pending Delivery and Bigge Mob Date.	
Dresser Rand Mob on Site, Prep For ST, STG																															
Erect STG Enclosure Building/Open Penetrations, Install ladders, Roof Walkways																														Trim out and cut penitrations, install ladders & walkways Final trim out, install roof panels	
HRSG Area																															
Install AIG Piping																														Complete	
Install HRSG Large Bore Supports																															
HRSG Vendor Supplied Pipe Fabrication																															
Install BOP Pipe & Supports East/West Pipe Rack																														Continue pending recept of customer supplied pipe	
Install Cable Tray and Lighting																															
East Area																															
Excavate and install UG Drains for Fuel Gas compressor to OWS																															
Form, Rebar, Pour Fuel Gas Compressor foundation																															
West Area																															
PDC #1 Support & Cable Tray/Pull Cable/Terminations																														Continue Terminations	
PDC #2 Support & Cable Tray/Misc. Electrical/Cable Pulls/ Terminations																														Cable Pulls from PDC # 1, Continue Terminations	
Form, Rebar, Pour Aux. Boiler foundation/Housekeeping pads																															
Receive Steel, Shake out, Preassemble, Install																															
Set Aux. Boiler																															
Trench, Install Street light Foundation, Conduit, Grounding																															
Granite Mob, Backfill, Grading																														Working Backfill, Grading under Pipe Rack	
Water Treatment Building																															
WTB Foundation																															
Install Ist floor Block wall																														Mob Masonry Contractor, install dowels	

Lodi Energy Center Project
Three Week Look Ahead
Week Ending - **Sunday, August 28, 2011**

Description		August							September															September						COMMENTS
	Week	LAST WEEK							FIRST WEEK								SECOND WEEK							THIRD WEEK						
	Date	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
	Day	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	
Install Misc. LB, SB piping																														
Rough Set Equipment																														Continue after Building and Mezzanine deck erection
Excavate, Form, Rebar, Pour Chem. Feed Trench and Foundation																														Chemical area Foundation to start next week
Excavate, Form, Rebar, Pour Raw Water Treatment (Clarifier) Foundation																														
Excavate and install mics. Drain lines																														
Receive and shake out WTB Steel/Erect Building																														Erector to mob @ end of next week
Cooling Tower Area																														
Install Circ Water Pipe at Cooling Tower/ install Valves																														Waiting on Valve delivery
Install platform steel, handrail @pump basin																														
Receive and set Circ. Water pumps																														
CTG Area																														
CTG																														
Erect Generator Enclosure																														Rework of Panels complete, Received and replacing bolts.
Erect CT Enclosure																														Roof being left open for pipe access. Close @ later date
Install Misc.Piping/Supports																														
CTG Misc.Electrical/ Conduit, Pull Cable																														
Install Air Intake Steel/Filter House																														
North Area																														
Shake Out, install ISO Phase Bushings, Steel, Bus Duct & Cable, Weld splices																														Waiting on Weld Procedure, PQR

Exhibit 6

Compliance Matrix

LODI ENERGY CENTER CONSTRUCTION COMPLIANCE MATRIX
BASED ON CEC FINAL DECISION

Pre-Const	Construction	Commiss.	Operations	To CEC or Agency	Approved by CEC

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-002	CONS	The ATC serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with the compliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	Complete	NCPA			
AQ-003	CONS	The facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit the Title V Operating Permit application to both the District and CPM.	Prior to operation	5/13/12	Sierra Research			
AQ-007	COMM	Particulate matter emissions from the gas turbine system shall not exceed 0.1 grains/dscf in concentration	Submit the results of source tests to both the District and CPM in accordance with AQ-46.	Within 60 days after testing	7/1/12	ARB			
AQ-008	COMM	No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-009	COMM	APCO or an authorized representative shall be allowed to inspect the required monitoring devices to ensure that such devices are functioning properly.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-010	COMM	Commissioning activities are defined as, but not limited to, all testing, adjustment, tuning, and calibration activities recommended by the equipment manufacturers and the construction contractor to ensure safe and reliable steady state operation of the gas turbine and associated electrical delivery systems.	No verification necessary.	None	None	ARB			
AQ-011	COMM	Commissioning period shall commence when all mechanical, electrical, and control systems are installed and individual system startup has been completed, or when a gas turbine is first fired, whichever occurs first. ***The commissioning period shall terminate when the plant has completed initial source testing, completed final plant tuning, and is available for commercial operation.***	Submit a commissioning plan to the CPM and APCO for approval that describes the procedures to be followed during the commissioning period and the anticipated duration of each commissioning activity.	30 days prior to first fire of the gas turbine	3/2/12	ARB			
AQ-013	COMM	During commissioning period, NOx and CO emission rate shall be monitored using installed and calibrated CEMS.	Submit to the CPM and APCO for approval the commissioning plan as required in AQ-11.	30 days prior to first fire of the gas turbine	3/2/12	ARB			
AQ-023	COMM	The District shall administratively add the minimum temperature limitation established pursuant to the above condition in the final Permit to Operate.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	As required	As required	NCPA			
AQ-024	CONS	The SCR system shall be equipped with a continuous temperature monitoring system to measure and record the temperature at the catalyst face.	Make the site available for inspection by representatives of the District, ARB, and the Commission upon request.	SCR install	As required	NCPA			
AQ-026	COMM	Start-up is defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation.	No verification necessary.	None	None	NCPA			
AQ-027	COMM	Shutdown is defined as the period of time during which a unit is taken from an operational to a non-operational status ending when the fuel supply to the unit is completely turned off. [District Rule 4703, 3.26]	No verification necessary.	None	None	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
AQ-031	COMM	Each 3-hour rolling average period will be compiled from the three most recent one hour periods. Each one hour period shall commence on the hour. Each one hour period in a twenty-four hour average for ammonia slip will commence on the hour. The twenty-four hour average will be calculated using the most recent twenty-four one-hour periods.	No verification necessary.	None	None	ARB			
AQ-042	COMM	A SCR system and an oxidation catalyst shall serve the gas turbine system.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB			
AQ-043	CONS	The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators or equivalent technology sufficient to limit the visible emissions from the lube oil vents to not exceed 5% opacity, except for a period not exceeding three minutes in any one hour.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-044a	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Submit the proposed source test plan or protocol for the source tests to both the District and CPM for approval.	15 days prior to proposed source test date	6/15/12	Sierra Research			
AQ-044b	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Notify the District and CPM of the proposed source test date and time.	30 days prior to the proposed source test date and time	5/2/12	Sierra Research			
AQ-044c	COMM	Source testing shall be conducted using the methods and procedures approved by the District.	Submit source test results to the CEC CPM and District.	No later than 60 days following the source test	7/31/12	Sierra Research			
AQ-045	COMM	Source testing shall be witnessed or authorized by District personnel and samples shall be collected by a California Air Resources Board (CARB) certified testing laboratory or a CARB certified source testing firm.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			
AQ-046a	COMM	Source testing to measure start-up emission rates of NOx, CO and VOC shall be conducted before the end of commissioning period and at least once every seven years thereafter. CEM relative accuracy for NOx and CO shall be determined during startup and shutdown source testing in accordance with 40 CFR 60, Appendix F (Relative Accuracy Audit). If CEM data is not certifiable to determine compliance with NOX and CO startup emission limits, then startup and shutdown NOx and CO testing shall be conducted every 12 months.	Submit results and field data collected during source tests to the District and CPM.	Within 60 days of testing	7/31/12	Sierra Research			
AQ-046b	COMM	Testing for startup and shutdown emissions shall be conducted upon initial operation and at least once every seven years.	Submit source test results to the CEC CPM and District.	Upon initial operation and at least once every 7 years	6/12/12	Sierra Research			
AQ-047a	COMM	Source testing to determine compliance with the NOx, CO, VOC, and NH3 emission rates (lb/hr and ppmvd @ 15% O2) and PM10 emission rate (lb/hr) shall be conducted before the end of commissioning period and at least once every 12 months thereafter.	Submit results and field data collected during source tests to the District and CPM according to a pre-approved protocol (AQ-44). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months.	Within 60 days of testing	7/31/12	Sierra Research			
AQ-047b	COMM	Testing for steady state emissions shall be conducted upon initial operation .	Submit source test results to the CEC CPM and District.	Upon initial operation	7/31/12	Sierra Research			

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AQ-049	COMM	The following test methods shall be used: NOx - EPA Method 7E or 20 or CARB Method 100; CO - EPA Method 10 or 10B or CARB Method 100; VOC - EPA Method 18 or 25; PM10 - EPA Method 5 (front half and back half) or 201 and 202a; ammonia - BAAQMD ST-1B; and O2 - EPA Method 3, 3A, or 20 or CARB Method 100. EPA approved alternative test methods as approved by the District may also be used to address the source testing requirements of this permit.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			
AQ-051	COMM	The results of each source test shall be submitted to the District within 60 days thereafter.	Submit the source test report of results to both the CEC and District.	Within 60 days of testing	5/17/12	Sierra Research			
AQ-052	CONS	A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-053	COMM	The owner or operator shall install, certify, maintain, operate, and quality-assure a CEMS which continuously measures and records the exhaust gas NOx, CO, and O2 concentrations. CEMS shall monitor emissions during all types of operation, including during startup and shutdown periods, provided the CEMS passes the relative accuracy requirement for startups and shutdowns specified herein. If relative accuracy of CEMS cannot be demonstrated during startup conditions, CEMS results during startup and shutdown events shall be replaced with startup emission rates obtained from source testing to determine compliance with emission limits contained in this document.	The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring system is properly installed and operational.	As required	As required	ARB			
AQ-060	COMM	Upon written notice from the District, the owner or operator shall provide a summary of the data obtained from the CEMS. This summary shall be in the form and the manner prescribed by the District.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB			
AQ-061	CONS	The facility shall install and maintain equipment, facilities, and systems compatible with the District's CEMS data polling software system and shall make CEMS data available to the District's automated polling system on a daily basis. Upon notice by the District that the facility's CEMS is not providing polling data, the facility may continue to operate without providing automated data for a maximum of 30 days per calendar year provided the CEMS data is sent to the District by a District-approved alternative method.	Provide a CEMS protocol for approval by the APCO and CPM. The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission upon request.	at least 60 days prior to installation of the CEMS	2/1/12	ARB		9/14/11 2011-017	Pending CEC Approval
AQ-063	CONS	The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-064	COMM	Monitor Downtime is defined as any unit operating hour in which the data for NOx, CO2 or O2 concentrations is either missing or invalid.	No verification necessary.	None	None	NCPA			

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AQ-067	COMM	The owner or operator shall maintain all records of required monitoring data and support information for a period of five years from the date of data entry and shall make such records available to the District upon request.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-070	COMM	**[CONDITIONS AQ-70 through 79 relate to Facility Wide Offsets]** Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of NOx: Q1: 38,348 lb, Q2: 38,721 lb, Q3: 37,436 lb, and Q4: 38,150 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-076	COMM	SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required SOx offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-077	COMM	Prior to operating under ATCs N-2697-5-0, N-2697-6-0 and N-2697-7-0, the permittee shall mitigate the following quantities of PM10: 1Q: 19,112 lb, 2Q: 19,112 lb, 3Q: 19,112 lb, and 4Q: 19,112 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	3/2/12	NCPA			
AQ-078	COMM	PM10 ERCs S-2844-4, C-911-4, N-756-4, C-913-4, C-912-4, and SOx ERCs S-2843-5, S-2845-5, S-2858-5, N-759-5, N-758-5, S-2846-5 and N-757-5 (or a certificate split from any of these certificates) shall be used to supply the required PM10 offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-079	COMM	The District has authorized to use SOx reductions to overcome shortfall in the amount of PM10 offsets at SOx/PM10 interpollutant offset ratio of 1.00.	No verification necessary.	None	None	NCPA			
AQ-080	CONS	**[CONDITIONS AQ-80 through 89 relate to Facility Wide Dust Control]** Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 or Rule 8011.	A summary of significant construction activities and monitoring records required shall be included in the construction monthly report required by AQ-SC3.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-081b	CONS	A summary of significant construction activities and monitoring records required shall be included in the construction monthly compliance report required by AQSC-3.	Submit the required information to the CEC as part of the MCR.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-082	CONS	An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-083	CONS	Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-084	CONS	Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 or Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		

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AQ-085	CONS	Water, gravel, roadmix, or chemical/organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure shall be applied to unpaved vehicle travel areas as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-086	CONS	Where dusting materials are allowed to accumulate on paved surfaces, the accumulation shall be removed daily or water and/or chemical/organic dust stabilizers/suppressants shall be applied to the paved surface as required to maintain continuous compliance with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011 and limit Visible Dust Emissions (VDE) to 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-087	CONS	On each day that 50 or more Vehicle Daily Trips or 25 or more Vehicle Daily Trips with three axles or more will occur on an unpaved vehicle/equipment traffic area, permittee shall apply water, gravel, roadmix, or chemical/ organic dust stabilizers/suppressants, vegetative materials, or other District-approved control measure as required to limit Visible Dust Emissions to 20% opacity and comply with the requirements for a stabilized unpaved road as defined in Section 3.59 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-088	CONS	Whenever any portion of the site becomes inactive, Permittee shall restrict access and periodically stabilize any disturbed surface to comply with the conditions for a stabilized surface as defined in Section 3.58 of District Rule 8011.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	ARB	Ongoing during construction		
AQ-090	COMM	**[CONDITIONS AQ-90 through 103 relate to the Acid Rain Program]** The owners and operators of each affected source and each affected unit at the source shall have an Acid Rain permit and operate in compliance with all permit requirements. [40 CFR 72]	Submit the Acid Rain Program application to both the District and the CPM.	After completing commissioning	6/30/12	Sierra Research			
AQ-091	COMM	The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-092	COMM	The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-093	COMM	The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-094	COMM	Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.	No verification necessary.	None	None	Sierra Research			
AQ-095	COMM	Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			

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AQ-096	COMM	An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-097	COMM	An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.	No verification necessary.	None	None	Sierra Research			
AQ-098	COMM	An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.	No verification necessary.	None	None	Sierra Research			
AQ-100	COMM	The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-101	COMM	The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-102	COMM	The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-103	COMM	The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I.	Submit the Acid Rain Program Application to both the District and CPM.	After completing commissioning	6/30/12	Sierra Research			
AQ-106	CONS	Prior to operating with modifications authorized by this ATC, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit to both the District and CPM the Title V Operating Permit application prior to operation.	Prior to operation	5/13/12	Sierra Research			

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AQ-107	COMM	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-110	COMM	No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-112	COMM	No hexavalent chromium containing compounds shall be added to cooling tower circulating water.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-118	CONS	This Authority to Construct serves as a written certificate of conformity with the procedural requirements of 40 CFR 70.7 and 70.8 and with thecompliance requirements of 40 CFR 70.6(c).	No verification necessary.	None	Complete	NCPA			
AQ-119	COMM	Prior to operating with modifications authorized by this Authority to Construct, the facility shall submit an application to modify the Title V permit with an administrative amendment in accordance with District Rule 2520 Section 5.3.4.	Submit to both the District and CPM the Title V Operating Permit application	Prior to operation	5/31/12	Sierra Research			
AQ-120	COMM	All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-121	COMM	No air contaminant shall be released into the atmosphere which causes a public nuisance.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-122	COMM	No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-125	COMM	A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-141	COMM	All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	NCPA			
AQ-142	COMM	Source testing to measure NOx and CO emissions from this unit while fired on natural gas shall be conducted within 60 days of the end of commissioning period of the gas turbine system.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	Within 30 days of testing	7/30/12	ARB			
AQ-144	COMM	The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			
AQ-145	COMM	Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/17/12	Sierra Research			

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AQ-146	COMM	NOx emissions for source test purposes shall be determined using EPA Method 7E or CARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-147	COMM	CO emissions for source test purposes shall be determined using EPA Method 10 or CARB Method 100.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-148	COMM	Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or CARB Method 100.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-149	COMM	For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-150	COMM	The results of each source test shall be submitted to the District within 60 days thereafter.	Submit the proposed protocol for the source tests to both the District and CPM for approval in accordance with condition AQ-44.	15 days prior to proposed source test date	5/20/12	Sierra Research			
AQ-159	COMM	All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request.	Make the site available for inspection by representatives of the District, ARB, and the CEC upon request.	As required	As required	NCPA			
AQ-71	COMM	NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required NOx offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-72	COMM	Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of VOC: 1st quarter: 8,240 lb, 2nd quarter: 8,331 lb, 3rd quarter: 8,571 lb, and 4th quarter: 8,477 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	5/13/12	NCPA			
AQ-73	COMM	VOC ERC S-2860-1, and NOx ERCs S-2857-2, S-2848-2, S-2849-2, S-2850-2, S-2851-2, S-2852-2, S-2854-2, S-2855-2, C-915-2, C-916-2, C-914-2, N-755-2, N-754-2, S-2894-2 and S-2895-2 (or a certificate split from any of these certificates) shall be used to supply the required VOC offsets, unless a revised offsetting proposal is received and approved by the District.	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	Complete	NCPA	4/9/10	2010-010	Approved 6/29/10
AQ-74	COMM	The District has authorized to use NOx reductions to overcome shortfall in the amount of VOC offsets at NOx/VOC interpollutant offset ratio of 1.00.	No verification necessary.	None	None	NCPA			
AQ-75	COMM	Prior to operating under ATCs N-2697-5-0 and N-2697-7-0, the permittee shall mitigate the following quantities of SOx: 1st quarter: 2,668 lb, 2nd quarter: 2,668 lb, 3rd quarter: 2,668 lb, and 4th quarter: 2,668 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06).	Submit to both the District and CPM records showing that the project's offset requirements have been met.	Prior to initiating operation	5/13/12	NCPA			
AQ-SC03	CONS	The AQCMM shall submit documentation to the CPM in each MCR that demonstrates compliance with items (a) through (m) for purposes of preventing all fugitive dush plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	Include a summary of all actions taken to maintain compliance with this condition, copies of any complaints filed with the Air District in relation to project construction, and any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	Monthly	Include in MCR	WP	Ongoing during construction		

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AQ-SC04	CONS	The AQCMM 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 shall implement Steps 1-3 in the Condition in the event such visible dust plumes are observed.	AQCMM shall prepare for 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.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-SC05	CONS	The AQCMM shall submit to the CPM in the MCR a construction mitigation report that demonstrates compliance with the measures (A-F) set forth in the Condition for purposes of controlling diesel construction-related emissions. Any deviation from the following mitigation measures shall require prior CPM notification and approval.	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.	Monthly	Include in MCR	ARB	Ongoing during construction		
AQ-SC06	CONS	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 either by: 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency.	Submit modifications within 5 working days of its submittal and submit modified air permits within 15 days of receipt	As required	NCPA			
BIO-02	CONS	Ensure that the DB performs the activities outlined in BIO-2 during site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure.	Designated Biologist must maintain written records of the tasks described in condition and provide summaries for inclusion in the MCR.	Monthly	Include in MCR	CH2	Ongoing during construction		
BIO-04	CONS	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 site mobilization, ground disturbance, grading, construction, and operation activities in areas specified by the DB.	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.	Immediately following non-compliance or construction halt	As required	ARB	Ongoing during construction		
BIO-05b	CONS	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 MCR	Andrea	Ongoing during construction		
BIO-06c	CONS	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	Rick Crowe			
BIO-06d	CONS	Implementation of BRMIMP measures will be reported in the MCR by the DB.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-06e	CONS	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	5/31/12	Rick Crowe			

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BIO-07a	CONS	Any time the project owner modifies or finalizes the project design they shall incorporate all feasible measures that avoid or minimize impacts to the local biological resources, including Items 1-9 as listed in the Condition.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-07b	CONS	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.	Within 30 days after completion of construction	5/31/12	Rick Crowe			
BIO-08a	CONS	Implement measures set forth in condition (Items 1-8) in a manner to avoid or minimize impacts to the local biological resources.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-08b	CONS	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.	Within 30 days after completion of construction	5/31/12	Rick Crowe			
BIO-09c	CONS	Discuss implementation of GGS mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-10c	CONS	Discuss implementation of burrowing owl mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-11c	CONS	Discuss implementation of Swainson's hawk mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-12b	CONS	Discuss implementation of migratory bird mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
BIO-13b	CONS	Discuss implementation of pond turtle mitigation and avoidance measures.	Provide report for inclusion in MCR.	Monthly	Include in MCR	Rick Crowe	Ongoing during construction		
CIVIL-01e	CONS	Submit written statement certifying that the documents required by CIVIL-01(a-d) have been approved by the CBO.	Include written certification in next monthly compliance report.	Monthly	Include in MCR	ARB	Ongoing during construction		
CIVIL-02	CONS	The RE shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area.	Notify the CPM within 24 hours when earthwork and construction are stopped as a result of unforeseen adverse geological conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, provide to the CPM a copy of the CBO's approval.	Within 24 hours of construction halt due to geologic conditions	As required	ARB	Ongoing during construction		
CIVIL-03a	CONS	Perform inspections in accordance with the 2007 CBC. All plant site grading operations for which a grading permit is required shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, and the CPM.	The 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	ARB	Ongoing during construction		
CIVIL-03b	CONS	A list of NCRs for the reporting month shall also be included in the following monthly compliance report.	Include in the MCR.	Monthly	Include in MCR	ARB	Ongoing during construction		

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CIVIL-04	CONS	After completion of finished grading and the erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans.	Submit to the CBO for review and approval the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with final approved plans. The project owner shall submit a copy of the CBO's approval to the CPM in the next MCR.	Within 30 days of completion of work	7/1/12	ARB			
COM-01	CONS	The CPM, responsible Energy Commission staff, and delegated agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the records maintained onsite, for the purpose of conducting audits, surveys, inspections, or general site visits.	Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	As required	As required	Andrea	Ongoing during construction		
COM-02	CONS	Maintain maintain project files on-site or at an alternative site approved by the CPM for the life of the project, unless a lesser period of time is specified by the Conditions of Certification. The files shall contain copies of all "as-built" drawings, documents submitted as verification for Conditions, and other project-related documents.	CEC staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition.	Ongoing	Ongoing	Andrea	Ongoing during construction		
COM-05	CONS	Submit a construction matrix that provides the current status of all conditions in a spreadsheet format.	Submit a compliance matrix with each MCR and also in ACR	Monthly	Include in MCR	Andrea	Ongoing during construction		
COM-06	CONS	The first MCR shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List. During construction of the project, the project owner or authorized agent shall submit an original and an electronic searchable version of the within 10 working days after the end of each reporting month. MCRs shall be clearly identified for the month being reported. The reports shall contain, at a minimum the items specified in the condition.	Submit to CPM on a monthly basis	Monthly	Complete	Andrea			
COM-08	CONS	Any information that the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501 et. seq.	Any info the project owner deems confidential shall be submitted to the Docket Unit with an application for confidentiality.	As required	As required	NCPA	Ongoing during construction		
COM-09	CONS	Annual Energy Facility Compliance Fee: The project owner is required to pay an annual compliance fee, which is adjusted annually. Current Compliance fee information is available on the CEC's website.	Submit annual compliance fee to CEC.	Annually	7/15/12	NCPA	Ongoing		
COM-10	CONS	Report and provide copies to the CPM of all complaint forms, including noise and lighting complaints, notices of violation, notices of fines, official warnings, and citations. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form provided in the NOISE Conditions of Certification. All other complaints shall be recorded on the complaint form (Attachment A).	Provide documentation to the CPM as required.	Within 10 days of receipt	As required	NCPA	Ongoing during construction		

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COM-12a	CONS	Prepare an Unplanned Temporary Facility Closure/On-Site Contingency Plan (see condition for issues that must be addressed in the plan). The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.	Submit an on-site contingency plan for CPM review and approval.	no less than 60 days prior to COD	4/13/12	NCPA			
COM-12b	CONS	In the event of an unplanned temporary closure, the project owner shall notify the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the circumstances and expected duration of the closure.	Notify the CPM and other agencies as requried.	Within 24 hours of unplanned temporary closure	As required	NCPA			
COM-12c	CONS	If the CPM determines that an unplanned temporary closure is likely to be permanent, or for a duration of more than 12 months, a closure plan consistent with the requirements for a planned closure shall be developed and submitted to the CPM.	Develop and submit the closure plan to the CPM.	Within 90 days of CPM's determination	As required	NCPA			
COM-13a	CONS	The on-site contingency plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the on-site contingency plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment.	In the event of an unplanned permanent closure, the project owner shall notify the CPM, as well as other responsible gencies, by telephone, fax, or e-mail and shall take all necessary steps to implement the on-site contingency plan. The project owner shall keep the CPM informed of the status of all closure activities.	Within 24 hours of unplanned permanent closure	As required	NCPA			
COM-13b	CONS	Prepare a closure plan, consistent with the requirements for a planned closure.	Submit the closure plan to the CPM.	Within 90 days of permanent closure	As required	NCPA			
COM-14	CONS	Post-Certification Changes to the Decision--see Condition for detailed information on what constitutes and how to prepare a post-licensing change to the CEC Final Decision.	As required	As required	As required	NCPA			
CUL-02b	CONS	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.	Provide requested into to the CPM and CRS.	Weekly during construction	Weekly	ARB	Ongoing during construction		
CUL-04a	CONS	If any archaeological monitoring or data recovery activities are conducted during project construction, submit a final Cultural Resources Report (CRR) which addresses the items specified in the condition.	Provide the required written documentation to the CPM for review and approval.	Within 90 days after completion of ground disturbance	9/28/12	NCPA			
CUL-04b	CONS	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 ground disturbance	9/28/12	NCPA			
CUL-04c	CONS	Provide documentation to the CPM confirming that copies of the final CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Tribal Chairpersons of any Native American groups requesting copies of project-related reports.	Provide the required written documentation to the CPM.	Within 10 days after CPM approval of CRR	10/28/12	NCPA			
CUL-04d	CONS	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	NCPA			
CUL-05c	CONS	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 MCR	NCPA	Ongoing during construction		

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CUL-06a	CONS	Based on the findings of the geoarchaeological study, no archaeological monitoring is required unless WEAP-trained construction workers identify cultural resources materials during excavations. In that event, To ensure there are no impacts to unknown buried archaeological resources, construction shall cease in the vicinity of the discovery, the CRS shall be notified, and CUL-7 shall apply.	During monitoring, provide daily feedback to CPM on status of monitoring activities via email.	Daily logs emailed to CPM	As required	NCPA	Ongoing during construction		
CUL-06b	CONS	Submit a monthly summary report of cultural resources-related monitoring prepared by the CRS.	Provide report for inclusion in MCR.	Monthly	Include in MCR	NCPA	Ongoing during construction		
CUL-06c	CONS	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	NCPA			
CUL-06d	CONS	A Native American monitor shall be obtained to monitor ground disturbance in areas and at depths, if any, where the CUL-1 geoarchaeological study identified the potential for buried prehistoric archaeological deposits and anywhere else that if Native American artifacts are encountered during ground disturbance.	Provide the required written documentation to the CPM.	No later than 30 days after discovery	As required	NCPA			
CUL-06e	CONS	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	NCPA			
CUL-7	CONS	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	Complete	NCPA	8/4/10	2010-062	Approved by CEC 8/18/11
ELEC-01a	CONS	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 design review and approval the proposed final design, specifications and calculations.	Submit to the CBO for design review and approval the items listed in this condition (see page 59 of Final Decision)	At least 30 days prior to start of construction of each increment of electrical construction	7/16/10	WP	Ongoing during construction		Info is included in MCRs
ELEC-01b	CONS	Send the CPM a copy of the transmittal letter in the next MCR.	Include the required documentation in the MCR.	Monthly	Include in MCR	NCPA	Ongoing during construction		
GEN-01a	CONS	Design, construct and inspect the project in accordance with the 2007 CBC et al and all other applicable engineering LORS in effect at the time initial design plans are submitted to the CBO for review and approval. The CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously.	Submit to the CEC CPM a statement of verification signed by responsible design engineer attesting that all design, construction, installation and inspection requirements of the applicable LORS and CEC Final Decision has been met in the area of facility design.	With 30 days after receipt of Certificate of Occupancy	7/30/12	WP			
GEN-01b	CONS	Final Certificate of Occupancy	Provide the CPM a copy of the Final Certificate of Occupancy from the CBO.	Within 30 days after receipt from the CBO	6/30/12	WP			

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GEN-01c	CONS	Once the certificate of occupancy has been issued, the project owner shall inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance being performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM shall then determine if the CBO needs to approve the work.	The CPM shall then determine if the CBO needs to approve the work.	At least 30 days prior to such work	9/28/12	WP			
GEN-02b	CONS	Major structures and equipment shall be added to or deleted from Facility Design Table 1 (see page 46 of Final Decision) only with CPM approval.	The project owner shall provide schedule updates in the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-03	CONS	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 MCR	NCPA	Ongoing during construction		
GEN-04b	CONS	If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days	As required	NCPA			
GEN-05c	CONS	If the designated responsible engineer is subsequently reassigned or replaced, submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	Notify the CPM of the CBO's approval of the new engineer.	Within 5 days	As required				
GEN-06a	CONS	Assign to the project, qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2007 CBC. A certified weld inspector, certified by the American Welding Society (AWS) and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on-site requiring special inspection (including structural, piping, tanks, and pressure vessels). The special inspector shall perform the duties specified in the condition.	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project.	At least 15 days prior to start of an activity requiring special inspection	9/21/10	WP	Ongoing during construction		Info is included in MCRs
GEN-06b	CONS	Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors.	Include the required documentation in the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-06c	CONS	If the special inspector is subsequently reassigned or replaced, the project owner has five days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval.	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days	As required	WP			
GEN-07	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions. The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference Condition GEN-7 and, if appropriate, applicable sections of the CBC and/or other LORS.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM in the next MCR. If any corrective action is disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	Monthly	Include in MCR	WP	Ongoing during construction		
GEN-08a	CONS	Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request that the CBO inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project.	Submit to the CBO, with a copy to the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans.	Within 15 days of completion of any work	Include in MCR	WP			

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GEN-08b	CONS	Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM.	Submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	After storing final approved plans, specs, and calcs	As required	WP			
GEN-08c	CONS	Provide to the CBO three sets of electronic copies of the documents referenced in the condition.	Documents shall be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality CDs.	Within 90 days after completion of construction	9/10/12	WP			
HAZ-02	CONS	Develop and implement a Safety Management Plan (SMP) for the delivery of anhydrous ammonia and other liquid hazmat by tanker truck. The plan shall address the information required in the Condition. This plan shall be applicable during construction, commissioning, and operation of the power plant.	Submit the plan to the CPM for review and approval.	At least 30 days prior to delivery of any liquid haz mat to the facility	Complete	NCPA		2010-067 12/8/10	Approved by CEC 12/2/10
HAZ-03	CONS	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-330 or 331.	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 commissioning	10/15/11	ARB			Existing vendor for STIG delivers ammonia
HAZ-04	CONS	Direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM (I-5 to North Thornton Road to Frontage Road to North Cord Road to the project site). 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 commissioning	10/15/11	ARB			Existing vendor for STIG delivers ammonia
HAZ-06a	COMM	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 commissioning	9/30/11	NCPA			
MECH-01a	CONS	MAJOR PIPING & PLUMBING SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calcs for each plant major piping and plumbing system listed in Facility Design Table 1 of GEN-2. Physical layout drawings and drawings not related to code compliance and life safety need not be submitted. The submittal shall also include the applicable QA/QC procedures. 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.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS.	At least 30 days prior to the start of any major piping or plumbing construction listed in Table 1	Ongoing during construction	WP	Ongoing during construction		Info is included in MCRs
MECH-01b	CONS	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.	Transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	Monthly	Include in MCR	WP	Ongoing during construction		
MECH-02a	CONS	PRESSURE VESSELS: Submit to the CBO and Cal-OSHA the code certification papers and other documents required by applicable LORS.	Submit to the CBO for design review and approval the final plans, specs, and calcs, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with LORS	At least 30 days prior to start of onsite fabrication or installation of any pressure vessel	Ongoing during construction	WP			
MECH-02b	CONS	Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal-OSHA inspection of that installation/	Transmit to the CPM, in the MCR following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	Monthly	Include in MCR	WP	Ongoing during construction		

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MECH-03a	CONS	HVAC SYSTEMS: Submit for CBO design review and approval the proposed final design, specifications and calculations for each any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.	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	Ongoing during construction	WP			
MECH-03b	CONS	Design and install all HVAC and refrigeration systems within buildings and related structures in accordance with the CBC and other applicable codes. Upon completion of construction of pressure vessels, request the CBO's inspection approval of that construction.	Provide the required written documentation to the CPM.	Monthly	Include in MCR	WP	Ongoing during construction		
NOISE-02	CONS	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 complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.	Within 5 days of receiving a noise compliant	As required	NCPA			
NOISE-04a	COMM	Project design and implementation shall include appropriate noise mitigation measures adequate to ensure that the noise levels due to operation of the project alone will not exceed: an hourly average of 45 dBA, measured at or near monitoring locations M1 (approximately 4,250 feet north of the project site boundary) and M2 (approximately 5,500 feet northeast of the project site boundary); an hourly average of 44 dBA, measured at or near monitoring location M3 approximately 7,000 feet southeast of the project site boundary); and an hourly average of 42 dBA, measured at or near monitoring location M4 (approximately 10,000 feet south of the project site boundary). (See condition for additional information.)	Conduct a community noise survey at monitoring location M4, 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 M1, M2, and M3, or at closer locations acceptable to the CPM. The short-term noise measurements at this location shall be conducted during the nighttime hours of 10:00 p.m. to 7:00 a.m.	Within 30 days of project's first achieving a sustained output of 85% or greater of rated capacity	7/12/12	NCPA			
NOISE-04b	COMM	Submit a summary report of the survey to the CPM. Included in the survey report shall be a description of any additional mitigation measures necessary to achieve compliance with the above listed noise limit, and a schedule, subject to CPM approval, for implementing these measures. When these measures are in place, the project owner shall repeat the noise survey.	Submit required info to the CPM.	Within 15 days after completing noise survey	7/27/12	NCPA			
NOISE-06	CONS	Equip the steam blow piping with a temporary silencer. The project owner shall conduct steam blows only during the hours of 7:00 a.m. to 9:00 p.m.	Submit to the CPM drawings or other information describing the temporary steam blow silencer and a description of the steam blow schedule	At least 15 days prior to the first steam blow	4/16/12	ARB			
NOISE-07a	CONS	Notify all residents or business owners within one mile of the site of the planned steam blow activity, and make the notification available to other area residents in an appropriate manner.	The notification may be in the form of letters to the area residences, telephone calls, fliers or other effective means. The notification shall include a description of the purpose and nature of the steam blow(s), the proposed schedule, the expected sound levels, and the explanation that it is a one-time operation and not a part of normal plant operations.	At least 15 days prior to first steam blow(s)	4/16/12	NCPA			
NOISE-07b	CONS	Send a letter to the CPM confirming that they have been notified of the planned steam blow activities, including a description of the method(s) of that notification.	Provide the required documentation to the CPM.	Within 5 days of notifying entities	4/21/12	NCPA			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
PAL-05	CONS	Ensure that the PRS and PRM(s) monitor consistently with the PRMMP, all construction-related grading, excavation, trenching, and auguring in areas where potentially fossil-bearing materials have been identified.	Paleo monitors shall provide monthly summaries for inclusion in MCR.	Monthly	Include in MCR	CH2	Ongoing during construction		
PAL-07	CONS	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	9/28/12	CH2			
SOIL & WATER-01b	CONS	Submit copies to the CPM of all correspondence between the project owner and the CVRWQCB) about the construction SWPPP, including a copy of the NOI.	Submit the required information to the CEC.	Withinin 10 days of receipt	As required	NCPA	Ongoing during construction		
SOIL & WATER-03	CONS	If groundwater is encountered during construction or operation of the LEC, the project owner shall 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	CH2			All deep excavations are complete
SOIL & WATER-06a	CONS	The project owner shall provide the CPM two copies of the executed Recycled Water Purchase Agreement (agreement) with the COL for the long-term supply (30 – 35 years) of tertiary treated recycled water to the LEC. The agreement shall specify a maximum daily supply of 2.61mgd with a total annual maximum supply of 1,800 AFY. The agreement shall specify all terms and costs for the delivery and use of recycled water by the LEC.	Submit two copies of the executed agreement for the supply and on-site use of recycled water at the LEC.	No later than 60 days prior to connection to City's recycled water pipeline	Complete	NCPA	5/19/10	2010-026	Approved 6/1/10
SOIL & WATER-06b	CONS	The LEC shall not connect to the COL's recycled water pipeline without the final agreement in place and submitted to the CPM. The project owner shall comply with the requirements of Title 22 and Title 17 of the California Code of Regulations and section 13523 of the California Water Code.	The project owner shall submit to the CPM a copy of the Engineering Report and Cross Connection inspection and approval report from the California Department of Public Health prior to the delivery of recycled water from the COL.	Prior to the delivery of recycled water from the COL	10/30/11	NCPA			
SOIL & WATER-07a	CONS	The project shall not construct a supply well or extract and use any groundwater therefrom until the SJCEHD issues its written evaluation as to whether the proposed well construction and operation activities comply with all applicable county well requirements, and the CPM provides approval to construct the well. Submit a well construction application to the SJCEHD in accordance the City of Lodi (COL) Municipal Code, Title 8, Chapter 8.08. (See condition for specific requirements.)	Send the CPM 2 copies of the water well construction application submitted to the San Joaquin SJCEHD.	No later than 30 days prior to construction of the onsite water supply well	10/2/11	NCPA		9/14/11 2011-018	Pending CEC approval
SOIL & WATER-07b	CONS	Provide written concurrence from the SJCEHD indicating that the proposed well construction activities comply with all county well requirements and meets the requirements established by the county's water well permit program.	Provide CPM with 2 copies of the written concurrence document from the SJCEHD.	No later than 15 days prior to construction of the onsite water supply well	10/17/11	NCPA			
SOIL & WATER-07c	CONS	Ensure the driller has submitted Well Completion Report for each well installed to CDWR.	Provide a copy of the well completion report to the CPM along with a copy of well drilling logs, water quality analyses, and any inspection reports that may be completed.	No later than 60 days after installation of any water supply well	12/31/11	NCPA			

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SOIL & WATER-07d	CONS	Ensure compliance with all county water well standards and requirements during construction.	Provide CPM with 2 copies of all monitoring or other reports required during construction.	As required	As required	NCPA			
SOIL & WATER-07e	CONS	Submit documentation to the CPM and the RWQCB that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any onsite drilling sumps used for project drilling activities were removed in compliance with 23 CCR section 2511(c).	Submit required info to the CPM.	No later than 15 days after completion of well	12/16/11	NCPA			
SOIL & WATER-08a	CONS	Install and maintain metering devices as part of the water supply and distribution system to monitor and record in gallons per day the volume of potable and recycled water supplied to the LEC.	Submit to the CPM evidence that metering devices have been installed and are operational on the potable and recycled pipelines serving the project.	At least 60 days prior to use of any water source for operations	4/1/12	ARB			
STRUC-01a	CONS	Prior to the start of any increment of construction of any major structure or component listed in Facility Design Table 1 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans, and drawings for project structures. Proposed lateral force procedures, designs, plans, and drawings shall be those for the items listed in the GEN-2 table. **Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component.**	Submit to the CBO the final design plans, specs and calcs with a copy of the transmittal letter to the CPM.	At least 60 days prior to start of any structure or component listed in Facility Design Table 1 of GEN-2	8/7/10	WP	Ongoing during construction		Included as part of MCRs
STRUC-01b	CONS	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	Submit required info to the CPM as part of the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
STRUC-02	CONS	Submit to the CBO the required number of sets of the documents related to work that has undergone CBO design review and approval related to concrete cylinder strength test reports and pour sign-off sheets, bolt torque and field weld inspection reports, and other reports covering structural activities requiring special inspections in accordance with CBC 2007.	If a discrepancy is discovered in any of the above data, within five days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the Condition(s) and the applicable CBC chapter and section. Within five days of resolution of the NCR, submit a copy of the corrective action to the CBO and the CPM. Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM within 15 days. If disapproved, the project owner shall advise the CPM, within five days, of the reason for disapproval and the revised corrective action necessary to obtain CBO's approval.	As required	As required	WP	Ongoing during construction		
STRUC-03	CONS	Submit to the CBO design changes to the final plans required by the 2007 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 shall submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM. The project owner shall notify the CPM, via the MCR, when the CBO has approved the revised plans.	Monthly	Include in MCR	WP	Ongoing during construction		

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STRUC-04a	CONS	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	Ongoing in MCR	WP	Ongoing during construction		Included as part of MCRs
STRUC-04b	CONS	Send copies of the CBO approvals of plan checks to the CPM. Also transmit a copy of the CBO's inspection approvals to the CPM in the MCR following completion of any inspection.	Provide requested into to CPM as part of the MCR.	Monthly	Include in MCR	WP	Ongoing during construction		
TLSN-01	CONS	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 guidelines.	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 the t-line or related structures and facilities	6/25/11	NCPA	3/28/11	2011-008	Pending CPM Approval
TLSN-03	COMM	Use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the proposed route. The measurements shall be made before and after energization according to ANSI/IEEE standard procedures. These measurements shall be completed not later than six months after the start of operations.	File copies of the pre-and post-energization measurements with the CPM	Within 60 days after completion of measurements	12/31/11	NCPA			
TLSN-05	CONS	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	9/15/11	NCPA			
TRANS-02b	CONS	Provide photo/videotape documentation that the damaged sections of Eight Mile Road, North Thornton Road, I-5 Frontage Road, and Cord Road have been restored to their pre-project condition.	Submit info to San Joaquin Planning Department and the CPM	Within 90 days following completion of construction	9/28/12	NCPA			
TSE-01a	CONS	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 for the components listed in the condition. To facilitate audits by CEC staff, the project owner shall provide designated packages to the CPM when requested.	Provide info to CBO and CPM. Additions and deletions shall be made to the table only with both CPM and CBO approval.	At least 60 days prior to start of construction of the t-line	Included in MCR	WP	Ongoing during t-line construction		
TSE-01b	CONS	Provide schedule updates as part of the MCR.	Include the required documentation in the MCR.	Monthly	Include in MCR	NCPA	Ongoing during t-line construction		
TSE-02a	CONS	Assign an electrical engineer and at least one of each of the following: a civil engineer; geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; a design engineer who is either a structural engineer or a civil engineer and fully competent and proficient in the design of power plant structures and equipment supports; or a mechanical 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.)	At least 30 days prior to start of rough grading	Complete	WP	6/14/10	2010-045	Approved 6/22/10
TSE-02b	CONS	If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval.	The project owner shall notify the CPM of the CBO's approval of the new engineer	within five days of the approval	As required	NCPA			

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TSE-03	CONS	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action. The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and refer to this condition of certification.	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	WP			CEC approved minor relocation of one tower on 6/9/11
TSE-04a	CONS	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.	At least 30 days before the start of each increment of construction	Included in MCR	NCPA			CBO has approved all documents for construction
TSE-04b	CONS	The following activities shall be reported in the MCR: A. Receipt Or Delay Of Major Electrical Equipment; B. Testing Or Energization Of Major Electrical Equipment; and C. The Number Of Electrical Drawings Approved, Submitted For Approval, And Still To Be Submitted.	Include the required documentation in the MCR.	Monthly	Include in MCR	NCPA	Ongoing during t-line construction		
TSE-05a	CONS	Design, construct, and operate the proposed transmission facilitiesin in conformance with all applicable LORS, **and the requirements listed in the condition (see Items A-I).**	Submit the required number of copies of the design drawings and calculations, as determined by the CBO.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	WP			CBO has approved all documents for construction
TSE-05b	CONS	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),	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	NCPA			CBO has approved all documents for construction
TSE-05c	CONS	Provide the final Detailed Facility Study (DFS) including a description of facility upgrades, operational mitigation measures, and/or special protection system sequencing and timing if applicable.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	NCPA			These docs were provided to the CEC during permitting
TSE-05d	CONS	Provide the executed project owner and California ISO facility interconnection agreement.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	NCPA			These docs were provided to the CEC during permitting
TSE-05d	CONS	Provide evidence showing coordination with the affected agencies and utilities including but not limited to Western Area Power Administration and Lodi Electric Utility.	Submit the requested info to the CBO for approval.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	NCPA			Completed during permitting

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
TSE-05e	CONS	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.	At least 60 days prior to start to start of construction of the transmission facilities	Included in MCR	WP			No changes
TSE-06	COMM	Provide notice to the Cal-ISO prior to synchronizing the facility with the California transmission system as referenced in items A & B of the condition.	Provide written letter to CAISO 7 days prior to synch and send CPM copy of letter. At least 1 business day before synch, call CAISO's outage coordination department (Monday through Friday, between the hours of 7:00 a.m. and 3:30 p.m. at (916) 351-2300).	One week prior to initial synchronization w/ the grid	3/25/12	NCPA			
TSE-07	CONS	Inspect the transmission facilities during and after project construction, and for any subsequent CPM- and CBO-approved changes, to ensure conformance with CPUC General Order 95 or National Electric Safety Code (NESC); Title 8 of the California Code and 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. In cases of non-conformance, the project owner shall inform the CPM and CBO, in writing and within 10 days of the discovery of such non-conformance, and the actions that will be taken to correct it.	Transmit to the CPM and CBO: "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in charge; a statement verifying conformity with the standards set forth in Condition; "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in charge or an acceptable alternative verification; and a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge.	Within 60 days after first synchronization to the grid	2/1/12	NCPA			
VIS-01	CONS	Ensure that construction lighting is used in a manner that minimizes potential night lighting impacts: minimum necessary brightness, shielded/hooded and directed downward, and kept off when not in use.	Notify the CPM that the lighting is ready for inspection. (If complaints are received, provide CPM with a complaint resolution form report and include copy in MCR.)	Within 7 days after first use of construction lighting	Complete	ARB			
VIS-02	CONS	Landscape screening deleted.		None					
VIS-03a	CONS	Ensure that the cooling tower is designed and operated as presented to the CEC during the licensing of the LEC project. The cooling tower shall be designed and operated to meet the plume fogging frequency curve received into evidence as Exhibit 5 at the evidentiary hearing held at theCEC on 1/5/10.	Provide to the CPM for review the final design specifications of the cooling tower to confirm that the fogging frequency curve for the cooling tower cells matches Exhibit 5. The project owner shall not order the cooling tower until notified by the CPM that this design requirement has been satisfied.	At least 90 days prior to ordering the cooling tower	Complete	WP			Approved 7/9/10
VIS-04a	CONS	Design and install all permanent exterior lighting such that (a) lamps and reflectors are not visible from beyond the project site, including any off-site security buffer areas; (b) lighting does not cause excessive reflected glare; (c) direct lighting does not illuminate the nighttime sky; (d) illumination of the project and its immediate vicinity is minimized, and (e) the plan complies with local policies and ordinances.	Contact the CPM to discuss the documentation required in the lighting mitigation plan. The project owner shall not order any exterior lighting until receiving CPM approval of the lighting mitigation plan.	At least 90 days prior to ordering any permanent exterior lighting	2/15/11	WP			
VIS-04b	CONS	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 city of Lodi Community Development Department and San Joaquin County Community Development Department for review and comment.	At least 60 days prior to ordering any permanent exterior lighting	3/15/11	WP	3/18/11	2011-005 and 2011-006	Approved 6/9/11
VIS-04c	COMM	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	5/13/12	ARB			

Cond. #	Sort Code	Description of Project Owner's Responsibilities	Verification/Action/Submittal Required by Project Owner	Timeframe	Date Due to CEC CPM	Lead Respons. Party	Date sent to CEC, CBO or agency	NCPA Log #	CEC Status
VIS-05a	CONS	Treat the surfaces of all project structures and buildings visible to the public in accordance with the provisions in the Condition. The transmission line conductors shall be nonspecular and nonreflective; and the insulators shall be nonreflective and nonrefractive. The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by the CPM. Subsequent modifications to the treatment plan are prohibited without CPM approval.	Submit a specific surface treatment plan to the CPM for review and approval that addresses all the items in the Condition, and simultaneously to the city of Lodi Community Development Department and San Joaquin County Community Development Department for review and comment.	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture	Complete	ARB	10/27/10	2010-065	Approved 12/10/10
VIS-05b	COMM	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	Set up an inspection appointment.	Prior to start of commercial operation	5/13/12	NCPA			
WASTE-03	CONS	If potentially contaminated soil is identified during site characterization, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the Professional Engineer or Professional Geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of DTSC, and the CPM stating the recommended course of action.	Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM. Project owner must notify the CPM within 24 hours of any orders issued to halt construction.	Within 5 days of their receipt	As required	NCPA	Ongoing during construction		
WASTE-04	CONS	Obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during construction and operations.	Keep a copy of the identification number on file at the project site and provide the number to the CPM in the next MCR.	Prior to generating any haz waste	Ongoing	ARB	10/27/10	emailed	Approved 10/27/10
WASTE-05	CONS	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, notify the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action. The CPM shall notify the project owner of any changes that will be required in the manner in which project-related wastes are managed.	As required	Within 10 days of becoming aware of action	NCPA	Ongoing during construction		
WASTE-06a	COMM	Prepare an Operations Waste Management Plan for all wastes generated during construction of the facility that meets the requirements defined in the condition.	Submit plan to the CPM for review and approval. See Final Decision WASTE-5 for plan requirements.	No less than 30 days prior to start of project operation	5/3/12	NCPA			
WASTE-08	CONS	Ensure that all spills or releases of hazardous substances, hazardous materials, or hazardous waste are reported, cleaned-up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	Provide documentation as set forth in the verification language of the condition to the CPM. Copies of the unauthorized spill documentation shall be provided to the CPM within 30 days of the date the release was discovered.	As required	As required	ARB	6/15/11	2011-011	Pending CPM Approval
WORKER SAFETY-03a	CONS	Provide a site Construction Safety Supervisor (CSS) who will perform the duties set forth in the Condition.	Submit to CPM the name and contact info for the construction safety supervisor.	At least 30 days prior to site mobilization	Complete	ARB	6/22/10	Submitted J. Selvey under 2011-002	
WORKER SAFETY-03b	CONS	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 MCR	CBO	Ongoing during construction		

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WORKER SAFETY-04b	CONS	The CBO Safety Monitor shall be responsible for verifying that the construction safety supervisor implements all required Cal/OSHA and CEC safety requirements.	Submit the CBO Safety Monitor's report as part of the MCR.	Monthly	Include in MCR	CBO	Ongoing during construction		

Exhibit 7

AQCMM Monthly Report

NCPA LODI ENERGY CENTER

Lodi California

AUGUST 2011 AQCMM / SWPPP Monthly Report

General Progress:

The Month of August was hot with temperatures in the high 90's most of the time. ARB's water truck was run full time for dust control on-site and in the lay down yards. There have not been any complaints from the neighbors or NCPA about dust events. The only problems occurring have been dust coming from next door at he Water Treatment construction site.

The pipefitters and electricians completed the majority of their underground work this month, thus eliminating the need for trenching and excavation for this purpose. This has eliminated a major source for potential dust events occurring. Most of the remaining excavations being carried out in the future will be for foundations. Water hoses are used to control dust as this work is being done.

Major work for the month consisted of the finishing of the underground pipe and ductbanks as stated. The Boilermakers worked on the HRSG, the CTG and filter house areas. The Fitters in addition to the underground piping have been working on the HRSG piping and the Balance of Plant piping. The Ironworkers finished the installation of the HRSG Utility Bridge and the STG Enclosure Platform. ARB's subcontractor, Agate Construction, made major headway in the erection of the water Treatment Building.

As has been the case for the entire project all trades made a concerned effort to carry out their tasks in a manner to prevent dust clouds from forming and keep the site in a clean safe condition. Housekeeping has been a major undertaking with the amount of trash being produced growing as more equipment is unpacked daily. The Laborer crew has done an outstanding job of keeping up with the trash.

SWPPP:

During the month of August, the site had experienced zero rain events. For the month, there was a total of 0.00 inches of rain.

There were no samples taken as all BMPs were maintained and properly implemented.

Copies of any of the inspection reports are available upon request for review from Jaime Pena, jpena@arbinc.com

This report has been prepared by:
Jeff Latham
ARB, Inc
Project Engineer/AQCMM
Jaime Pena
ARB, Inc.
Field Engineer

Lodi Energy Center

Summary of Diesel Construction Equipment Mitigation Determinations

Month August

Equipment Make and Model	Engine Make, Model & Rating	Tier 3 Engine (yes/no)	Tier 2 Engine (yes/no)	Tier 1 Engine (yes/no)	Days Expected Onsite	Excess Oil Consumption Expected (yes/no)	Adequate Exhaust Temperature (yes/no)	Adequate Installation Space (yes/no)	Is There An ARB Certified DPF for this Engine (yes/no)	Mitigation Determination(ULSFO, Tier 3/2/1 engine, DPF, nox control)
Kalmar DCD250-12 Forklift	Cummins QSB6.7, 260 HP	yes				no	yes	NA	NA	Tier 3
2008 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
2007 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
2007 JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	NA	Tier 3
Caterpillar 321D Excavator	Mitsubishi C6.6, 148 HP	yes				no	yes	NA	yes	Tier 3
Caterpillar 420E Backhoe	Caterpillar, C4.4, 99.9 HP	yes				no	yes	NA	NA	Tier 3
Terex RT780 Crane	Cummins QSB 5.9, 275 HP		yes			no	yes	NA	yes	DPF Level 3 Plus Device Installed
Linkbelt RTC 8090 Series II 90 Ton Crane	Caterpillar C6.6, 221 HP	yes				no	yes	NA	yes	Tier 3

Lodi Energy Center
Summary of Diesel Construction Equipment Mitigation Determinations

Month August

Equipment Make and Model	Engine Make, Model & Rating	Tier 3 Engine (yes/no)	Tier 2 Engine (yes/no)	Tier 1 Engine (yes/no)	Days Expected Onsite	Excess Oil Consumption Expected (yes/no)	Adequate Exhaust Temperature (yes/no)	Adequate Installation Space (yes/no)	Is There An ARB Certified DPF for this Engine (yes/no)	Mitigation Determination(ULSFO, Tier 3/2/1 engine, DPF, nox control)
Caterpillar 928HZ Loader	Caterpillar C6.6, 152 HP	yes				no	yes	NA	yes	Tier 3
JLG 800AJ Manlift	Deutz D2011L04i, 62 HP	Tier 4 Interim				no	yes	NA	NA	Tier 4 Interim
JLG 1250AJP Manlift	Deutz TD2011L04 , 75 HP	yes				no	yes	NA	yes	Tier 3
JLG Skytrak 10054	Cummins QSB 4.5T, 110 HP	yes				no	yes	NA	yes	Tier 3
Liebherr LR1200 Crane	Liebherr D 936 L, 362 HP	yes				no	yes	NA	NA	Tier 3
Caterpillar TL1055 Forklift	Caterpillar C4.4 ACERT, 156 HP	yes				no	yes	NA	NA	Tier 3
Caterpillar TL1055 Forklift	Caterpillar C4.4 ACERT,	yes				no	yes	NA	NA	Tier 3
Caterpillar TH255 Forklift	Caterpillar C4.4, 83.8 HP	yes				no	yes	NA	NA	Tier 3
Bobcat S220 Excavator	Kubota V3800-DI-T, 75 HP	yes				no	yes	NA	NA	Tier 3

Lodi Energy Center
Summary of Diesel Construction Equipment Mitigation Determinations

Month August

Equipment Make and Model	Engine Make, Model & Rating	Tier 3 Engine (yes/no)	Tier 2 Engine (yes/no)	Tier 1 Engine (yes/no)	Days Expected Onsite	Excess Oil Consumption Expected (yes/no)	Adequate Exhaust Temperature (yes/no)	Adequate Installation Space (yes/no)	Is There An ARB Certified DPF for this Engine (yes/no)	Mitigation Determination(ULSFO, Tier 3/2/1 engine, DPF, nox control)
Grove RT600E Crane	Cummins QSB 6.7, 173 HO	yes				no	yes	NA	NA	Tier 3
MQ DCA-300SSK4 Generator	Komatsu SAA6D125 5E-5, 420	yes				no	yes	NA	NA	Tier 3
Airman SDG 150S Generator	Isuzu BH-6HK1X, 240 HP	yes				no	yes	NA	NA	Tier 3
Skyjack VR-1056D Forklift	Cummins QSB8.6, 110 HP	yes				no	yes	NA	NA	Tier 3
Genie Z-135 Manlift	Deutz TD 2011 L04I, 74HP	yes				no	yes	NA	NA	Tier 3
JLG 1250AJP Manlift	Deutz TD2011L04 , 75 HP	yes				no	yes	NA	yes	Tier 3
Genie S-85 Manlift	Deutz TD2011L04 , 75 HP	yes				no	yes	NA	yes	Tier 3
JLG G10-55A Forklift	Cummins QSB 4.5T, 130 HP	yes				no	yes	NA	yes	Tier 3

CLEAR DIESEL FOR **AUGUST** – 584 GALLONS
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Record Keeping Form

Month: Aug. 2011

FORM A – Area Water Application

Project Location: Lodi Power Plant City: Lodi Size: (Miles/ Acres)

Owner: NCPA Address City: Zip

Contact Person: Title: Phone: ( ) -

Watering Schedule

Use this form to document daily water applications at a single site by recording total gallons per day and number of applications per day at a single area. Use additional forms, as necessary, for areas with different treatment schedules.

Area treated: Job site & Cayloun yards

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1		8-1 4 8,000	8-2 5 10,000	8-3 4 8,000	8-4 6 12000	8-5 4 8,000	8-6 0
2	8-7 0	8-8 4 8,000	8-9 4 8,000	8-10 7 14,000	8-11 4 8000	8-12 6 12,000	8-13 0
3	8-14 0	8-15 2 4,000	8-16 4 8000	8-17 1 2000	8-18 6 12,000	8-19 4 8000	8-20 0
4	8-21 0	8-22 3 6000	8-23 4 8000	8-24 5 10,000	8-25 4 8000	8-26 3 6000	8-27 0
5	8-28 0	8-29 3 6000	8-30 4 8000	8-31 3 6,000			

Area treated: _____.

Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1							
2							
3							
4							
5							

Exhibit 8

Resource Specialists' Monthly Reports

Biological Resources

Mitigation Monitoring for the

Lodi Energy Center Project

MONTHLY COMPLIANCE REPORT (BIO-2)

August 2011

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Lodi Energy Center

MONTHLY COMPLIANCE REPORT

August 2011

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APPENDICES

A) Cumulative Wildlife Species Observed in or Near the Project Area

B) Site Photos

C) Wildlife Observation Forms

INTRODUCTION

The Lodi Energy Center (LEC) project site is on 4.4 acres of land owned and incorporated by the City of Lodi, 6 miles west of the Lodi city center. The site is located adjacent to Interstate-5 approximately 1.7 miles south of State Route 12. On the east side of the site is the City of Lodi's White Slough Water Pollution Control Facility (WPCF). The WPCF's treatment and holding ponds are located to the north. To the west is the 49-megawatt Northern California Power Agency (NCPA) Combustion Turbine Project (STIG Plant), and further to the west is the Pacific Gas and Electric Company (PG&E) overhead 230 kilovolt electric transmission line. The San Joaquin County Mosquito and Vector Control facility is located south of the project site.

Originally, construction of the LEC facility would require the use of four laydown areas totaling 9.8 acres; Area A consisted of 3.1 acres, Area B consisted of 2.2 acres, Area C consisted of 1.6 acres, and Area D consisting of 2.9 acres. On July 2, 2010, NCPA filed a petition with the California Energy Commission (CEC) requesting the additional use of 9.4 acres of construction laydown and parking areas. The requested areas will add 0.7 acres to the existing 3.1 acre laydown Area A, add an additional 6.1 acre laydown area known as Area E which is directly north of the frontage entrance to the LEC project site and an additional 2.6 acre laydown area known as Area F. On October 9, 2011, the CEC staff included as part of the project the requested additional laydown areas contingent on mitigating the impacts to the additional acres through the San Joaquin County Multi-Species Habitat Conservation & Open Space Plan (MSHCP) for the fee of $48,229.50. NCPA paid the use fee to the MSHCP and the additional laydown areas were released for use by the CEC on October 13th, 2010.

Biological monitoring for the month included monitoring the 4.4-acre power generation facility, and the 19.2 acre laydown areas.

MONITORED MITIGATION MEASURES AND PERMIT CONDITIONS

Mitigation measures for the LEC project site were developed through consultation with the California Energy Commission (CEC), and the San Joaquin County Council of Governments (SJCOG) which oversees the MSHCP. Documentation of compliance with any conditions of the agency permits will be included when used on the project.

Conditions of Certification (COC) BIO 1-8 were in compliance during the month of August 2011. The following COC's require specific language be included in each monthly compliance report therefore they are addressed separately below;

> BIO-9, employing giant garter snake (GGS) mitigation measures like sediment/animal fencing protecting sensitive areas, every worker participating in the WEAP program, and the Designated Biologist monitoring any disturbance within GGS habitat for giant garter snake protection insured that BIO-9 was in compliance during the month of August 2011.
>
> BIO-10, burrowing owl mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-10 was in compliance during the month of August 2011.

BIO-11, Swainson's hawk (SWHA) mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-11 was in compliance during the month of August 2011.

BIO-12, migratory bird mitigation measures like pre-disturbance surveys, every worker participating in the WEAP program and the Designated Biologist making weekly site visits insured that BIO-12 was in compliance during the month of August 2011.

BIO-13, northwestern and western pond turtle mitigation measures like sediment/animal fencing protecting sensitive areas, every worker participating in the WEAP program, and the Designated Biologist monitoring any disturbance within pond turtle habitat insured that BIO-13 was in compliance during the month of August 2011.

SUMMARY OF ACTIVITIES

This report provides a summary of August 2011 project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. The Designated Biologist (DB) and Biological Monitor (BM) completed logs summarizing activities, personal interactions, and observations made during each site visit. These logs are available on request.

Site Construction

August LEC project site activities consisted of concrete pouring, underground piping installation, welding, and construction of the HRZG stack, as well as continuing construction on the plant's foundation and electrical pathways.

Monitoring visits were conducted periodically to document permit compliance.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAP program was developed exclusively for the LEC project. Program materials include a handbook, video, posted speed limit signs and supporting posters. As required by COC BIO-5 from the CEC *Commission Decision*, all new employees must attend the WEAP program.

Sixty-seven (67) personnel received WEAP training in August for a total of 1066 employees trained at LEC since the project started. An ARB Safety and Compliance Manager administered the WEAP training to new employees as well as the LEC Designated Biologist and Biological Monitor. Signed affidavits are kept on file by the ARB Safety and Compliance Manager and the NCPA Compliance Manager.

GENERAL DAILY NOTES AND OBSERVATIONS

During the month of August daily Biological Monitoring was not required. Project biological oversight was covered by the Designated Biologist (DB) Rick Crowe or the Biological Monitors (BM) Dan Williams or Victor Leighton. The monitoring efforts for the month of August are documented below;

August 5th, the DB was on site to perform a compliance spot check and to assist Phil Reid/CH Cultural Specialist in surveying the proposed PG&E right-of-way for archeological artifacts. While accessing the gas pipeline right-of-way the DB observed a dead Swainson's hawk (*Buteo swainsoni*) lying under a transmission line (Photo 1) near where the proposed gas pipeline

crosses N. Devries Road. The DB was not able to determine the Swainson's hawk's cause of death due to the body being in an emaciated state. It did appear that the hawk had been struck by something due to the head facing backwards on the body. The carcass was next to a busy road and directly under a transmission line. During this site visit the DB inspected all sensitive areas for implementation of mitigation measures and interfaced with key construction personnel concerning potential upcoming construction issues. During this site visit the LEC project was in compliance.

August 11th, the DB was on site to perform a compliance spot check, (Photos 2 and 3). During this site visit the DB inspected all sensitive areas for implementation of mitigation measures and interfaced with key construction personnel concerning potential upcoming construction issues. During this site visit the LEC project was in compliance.

August 25th, the DB was on sight to monitor a PG&E crew while they pot-holed for the existing gas pipeline. The DB gave a brief WEAP tailgate training to the PG&E crew; this tailgate training was prepared to directly speak on the issues involved with the new gas line and working in the gas line right-of-way. The area to be pot holed was surveyed by the DB prior to disturbance and was found to be devoid of wildlife, the pot hole area is within an existing pasture grass field (Photo 5) that is routinely flood irrigated. The field was dry at the time of this survey. PG&E pot holed for their existing line by using a high volume vacuum pump that in conjunction with a high pressure water wand was able to excavate and evacuate the hole at the same time which left minimal surface disturbance (Photos 6 and 7). Additionally, while monitoring the pot holing the DB observed numerous Swainson's hawks (Photo 8) and red-tailed hawks (*Buteo jamaicensis*) and American crows (*Corvus brachyrhynchos*) foraging in the adjacent fields (Photo 4). In the afternoon the DB attended a CEC site visit and met with the new CEC Compliance Project Manager for the project Ms. Christine Stora and other CEC staff. During this site visit the DB inspected all sensitive areas for implementation of mitigation measures and interfaced with key construction personnel concerning potential upcoming construction issues. During this site visit the LEC project was in compliance (Photo 9, 10, 11 and 12).

August 31st, the DB was on site to perform a compliance spot check, (Photos 13 and 14). During this site visit the DB inspected all sensitive areas for implementation of mitigation measures and interfaced with key construction personnel concerning potential upcoming construction issues. During this site visit the LEC project was in compliance.

Appendix A

Cumulative Wildlife Species Observed in or Near the Project Area

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
• **BIRDS**		
Canada goose	*Branta canadensis*	WPCF ponds, single individual captured and taken to Wildlife Care October 2010.
Cackling goose	*Branta hutchinsii*	Fly over
Snow goose	*Chen caerulescens*	Fly over
Gadwall	*Anas strepera*	WPCF ponds
Mallard	*Anas platyrhynchos*	WPCF ponds, nest in laydown area A 2011.
Northern pintail	*Anas acuta*	WPCF ponds
Northern shoveler	*Anas clypeata*	WPCF ponds
Cinnamon teal	*Anas cyanoptera*	WPCF ponds
Green-winged teal	*Anas crecca*	WPCF ponds
Lesser scaup	*Aythya affinis*	WPCF ponds
Bufflehead	*Bucephala albeola*	WPCF ponds
Ruddy duck	*Oxyura jamaicensis*	WPCF ponds
Ring-necked pheasant (Exotic)	*Phasianus colchicus*	WPCF ponds
Pied-billed grebe	*Podilymbus podiceps*	WPCF ponds
Eared grebe	*Podiceps nigricollis*	WPCF ponds
Horned grebe	*Podiceps auritus*	WPCF ponds
American white pelican	*Pelecanus erythrorhynchos*	WPCF ponds
Double-crested cormorant	*Phalacrocorax auritus*	WPCF ponds
Great blue heron	*Ardea herodias*	Canal and WPCF ponds
Great egret	*Ardea alba*	Canal and WPCF ponds
Snowy egret	*Egretta thula*	WPCF ponds, one individual observed dead adjacent to t-line along southern portion of project site August 2010.
Green heron	*Butorides virescens*	Canal
Black-crowned night-heron	*Nycticorax nycticorax*	Canal
White-faced ibis	*Plegadis chihi*	WPCF ponds
Turkey vulture	*Cathartes aura*	Fly over
White-tailed kite	*Elanus leucurus*	Pipeline route
Northern harrier	*Circus cyaneus*	Pipeline route
Cooper's hawk	*Accipiter cooperii*	Fly over
Sharp-shinned hawk	*Accipiter striatus*	Fly over
Red-shouldered hawk	*Buteo lineatus*	Hunting along canal
Red-tailed hawk	*Buteo jamaicensis*	Pipeline route and laydown areas
Swainson's hawk	*Buteo swainsoni*	One individual observed dead from collision with fence, Sept. 2010. Pair observed nesting in employee parking lot April 2011.

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
American kestrel	*Falco sparverius*	Laydown areas
Merlin	*Falco columbarius*	Perched along entrance road, 11/30/10
Peregrine falcon	*Falco peregrinus*	Hunting WPCF ponds
Prairie falcon	*Falco mexicanus*	Fly over, 11/9/10
Barn owl	*Tyto alba*	Dead individual observed near Safety trailer, 11/8/10.
American coot	*Fulica americana*	WPCF ponds
Sandhill crane	*Grus canadensis*	Fly over
Black-bellied plover	*Pluvialis squatarola*	Pipeline route and WPCF ponds
Pacific golden-plover	*Pluvialis fulva*	WPCF ponds
Killdeer	*Charadrius vociferus*	Canal, laydown areas, pipeline route, and WPCF ponds. Nest in switchyard 2010. Nest in northern portion of power block, failed 2011. Nest in Laydown Area A predated, April and May 2011.
Semipalmated plover	*Charadrius semipalmatus*	WPCF ponds
American avocet	*Recurvirostra americana*	WPCF ponds
Black-necked stilt	*Himantopus mexicanus*	WPCF ponds
Spotted sandpiper	*Actitis macularius*	WPCF ponds
Greater yellowlegs	*Tringa melanoleuca*	Pipeline route and WPCF ponds
Lesser yellowlegs	*Tringa flavipes*	WPCF ponds
Whimbrel	*Numenius phaeopus*	WPCF ponds
Long-billed curlew	*Numenius americanus*	Fly over
Least sandpiper	*Calidris minutilla*	WPCF ponds
Western sandpiper	*Calidris mauri*	WPCF ponds
Baird's sandpiper	*Calidris bairdii*	WPCF ponds
Pectoral sandpiper	*Calidris melanotos*	WPCF ponds
Dunlin	*Calidris alpine*	WPCF ponds
Long-billed dowitcher	*Gallinago delicata*	Canal
Wilson's snipe	*Calidris alpina*	Pipeline route and WPCF ponds
Wilson's phalarope	*Phalaropus tricolor*	WPCF ponds
Ring-billed gull	*Larus delawarensis*	WPCF ponds
Mew gull	*Larus canus*	WPCF ponds
California gull	*Larus californicus*	WPCF ponds
Bonaparte's gull	*Larus philadelphia*	WPCF ponds
Caspian tern	*Hydroprogne caspia*	WPCF ponds
Forster's tern	*Limnodromus scolopaceus*	WPCF ponds
Common tern	*Sterna hirundo*	WPCF ponds
Rock pigeon (*Exotic*)	*Sterna fosteri*	STIG plant
Eurasian collared-dove (*Exotic*)	*Columba livia*	Laydown areas and pipeline route. One individual observed dead within STIG plant, August 2010.

Cumulative Wildlife Species Observed in or Near the LEC Project Area		
Common Name	**Scientific Name**	**Comments**
Mourning dove	*Streptopelia decaocto*	Laydown areas and pipeline route
White-throated swift	*Aeronautes saxatalis*	Fly over
Vaux's swift	*Zenaida macroura*	Fly over
Anna's hummingbird	*Chaetura vauxi*	Canal and east parking area
Black-chinned hummingbird	*Calypte anna*	Canal
Belted kingfisher	*Archilochus alexandri*	Canal
Downy woodpecker	*Picoides pubescens*	East parking area
Nuttall's woodpecker	*Picoides nuttallii*	East parking area
Northern flicker	*Colaptes auratus*	Laydown areas and pipeline route
Pacific-slope flycatcher	*Empidonax difficilis*	Canal setback
Western wood-pewee	*Contopus sordidulus*	Canal setback
Black phoebe	*Sayornis nigricans*	Canal
Western kingbird	*Tyrannus verticalis*	Canal, laydown areas, and pipeline route
Cassin's vireo	*Lanius ludovicianus*	Canal setback
Loggerhead shrike	*Vireo cassinii*	Pipeline route
Western scrub-jay	*Aphelocoma californica*	East parking area and pipeline route
American crow	*Corvus brachyrhynchos*	Laydown areas and pipeline route
Common raven	*Corvus corax*	Laydown areas and pipeline route
Horned lark	*Eremophila alpestris*	Laydown areas and pipeline route
Purple martin	*Progne subis*	Pipeline route
Tree swallow	*Tachycineta bicolor*	Pipeline route
Northern rough-winged swallow	*Stelgidopteryx serripennis*	WPCF ponds
Cliff swallow	*Petrochelidon pyrrhonota*	Fly over
Bank swallow	*Riparia riparia*	WPCF ponds
Barn swallow	*Hirundo rustica*	Pipeline route and WPCF ponds, one individual observed dead from Laydown Area E, 2011.
Bushtit	*Psaltriparus minimus*	Pipeline route and WPCF ponds
Ruby-crowned kinglet	*Regulus calendula*	East parking area
American robin	*Turdus migratorius*	Canal and laydown areas
Northern mockingbird	*Mimus polyglottos*	Laydown areas and pipeline route
European starling (*Exotic*)	*Sturnus vulgaris*	Canal, laydown areas, and pipeline route
American pipit	*Anthus rubescens*	WPCF ponds and pipeline route
Cedar waxwing	*Bombycilla cedrorum*	Laydown areas and pipeline route
Orange-crowned warbler	*Vermivora celata*	East parking area and oaks along entrance road
Nashville warbler	*Vermivora ruficapilla*	Canal setback
Yellow warbler	*Dendroica petichia*	East parking area and oaks

Cumulative Wildlife Species Observed in or Near the LEC Project Area

Common Name	Scientific Name	Comments
Yellow-rumped warbler	*Dendroica coronata*	Laydown areas and pipeline route
Common yellowthroat	*Geothlypis trichas*	Canal
Wilson's warbler	*Wilsonia pusilla*	Canal setback
Western tanager	*Piranga ludoviciana*	Canal setback and east parking area
Spotted towhee	*Pipilo maculatus*	Canal setback
Savannah sparrow	*Passerculus sandwichensis*	Canal and pipeline route
Song sparrow	*Melospiza melodia*	Canal and pipeline route
Lincoln's sparrow	*Melospiza lincolnii*	Canal
Golden-crowned sparrow	*Zonotrichia atricapilla*	Canal and laydown areas
White-crowned sparrow	*Zonotrichia leucophrys*	Canal and pipeline route
Dark-eyed junco	*Junco hyemalis*	East parking area
Black-headed grosbeak	*Pheucticus melanocephalus*	East parking area
Blue grosbeak	*Passerina caerula*	Canal, laydown areas, and pipeline route
Red-winged blackbird	*Agelaius phoeniceus*	Canal
Tricolored blackbird	*Agelaius tricolor*	Fly over
Brewer's blackbird	*Euphagus cyanocephalus*	STIG plant and WPCF ponds
Great-tailed grackle	*Quiscalus mexicanus*	Canal and WPCF ponds
Western Meadowlark	*Sturnella neglecta*	Pipeline route. One individual observed dead on grill of truck, 11/12/10.
Brown-headed cowbird	*Molothrus ater*	Canal and WPCF ponds
Bullock's oriole	*Icterus bullockii*	Laydown areas and Energy Center footprint
Orchard oriole	*Icterus spurius*	Canal setback
House finch	*Carpodacus mexicanus*	STIG plant and pipeline route. One individual observed dead near existing STIG plant, April 2011. Numerous nests throughout project spring 2011.
American goldfinch	*Carduelis tristis*	Canal, laydown areas, and pipeline route
Lesser goldfinch	*Carduelis psaltria*	Laydown areas
House sparrow (*Exotic*)	*Passer domesticus*	STIG plant and pipeline route. One individual observed dead in existing STIG plant, March and April 2011.
MAMMALS		
Audubon's cottontail	*Sylvilagus audubonii*	Laydown areas and Energy Center footprint. One individual observed in northern portion of power block April 2011.
California vole	*Microtus californicus*	Energy Center Footprint and laydown areas. Several individuals killed during clearing and grubbing, August 2010.
Botta's pocket gopher	*Thomomys bottae*	Dead individual observed near HRSG foundation, Nov. 2010.

Cumulative Wildlife Species Observed in or Near the LEC Project Area		
Common Name	**Scientific Name**	**Comments**
California ground-squirrel	*Spermophilus beecheyi*	Pipeline route, Energy Center footprint and laydown areas
Dog	*Canis familiaris*	Two dogs observed in southern section of LEC site, April 2011.
Feral cat	*Felis catus*	Energy Center Footprint
REPTILES		
Western pond turtle	*Actinemys marmorata*	Canal and WPCF ponds
Slider	*Trachemys scripta*	Canal and crossing access road
Common king snake	*Lampropeltis getlus*	Several caught and relocated during clearing and grubbing, one individual killed, August and October 2010. One individual killed on project to the north, April 2011.
Western skink	*Plestiodon (Eumeces) skiltonianus*	One individual crushed during clearing and grubbing, August 2010.
Gopher snake	*Pituophis melanoleucus*	BM captured and relocated one individual Sept. 2010. DB captured and removed from project site, April 2011.
Common garter snake	*Thamnophis sirtalis*	BM observed one individual near the City of Lodi White Slough Treatment plant, Sept. 2010. One individual killed, April 2011. One individual captured and relocated off site May, 2011.
Southern alligator lizard	*Gerrhonotus multicarinatus*	Observed during clearing and grubbing, 2010.
Western fence lizard	*Sceloporus occidentalis*	Laydown area, pipeline route and Energy Center footprint
INVERTEBRATES		
Butterflies		
Cabbage white	*Pieris rapae*	Pipeline route
Orange sulphur	*Colias eurytheme*	Pipeline route
Painted lady	*Vanessa cardui*	Pipeline route
Red admiral	*Vanessa atalanta*	Pipeline route

* Indicates new observance or additional information

Appendix B
Site Photos

Photo 1, dead Swainson's hawk as observed adjacent to N. Devries Road and gas pipeline alignment, 8/5/11.

Photo 2 of eastern most portion of LEC project as observed during site visit, 8/11/11.

Photo 3 of access road through LEC project site, 8/11/11.

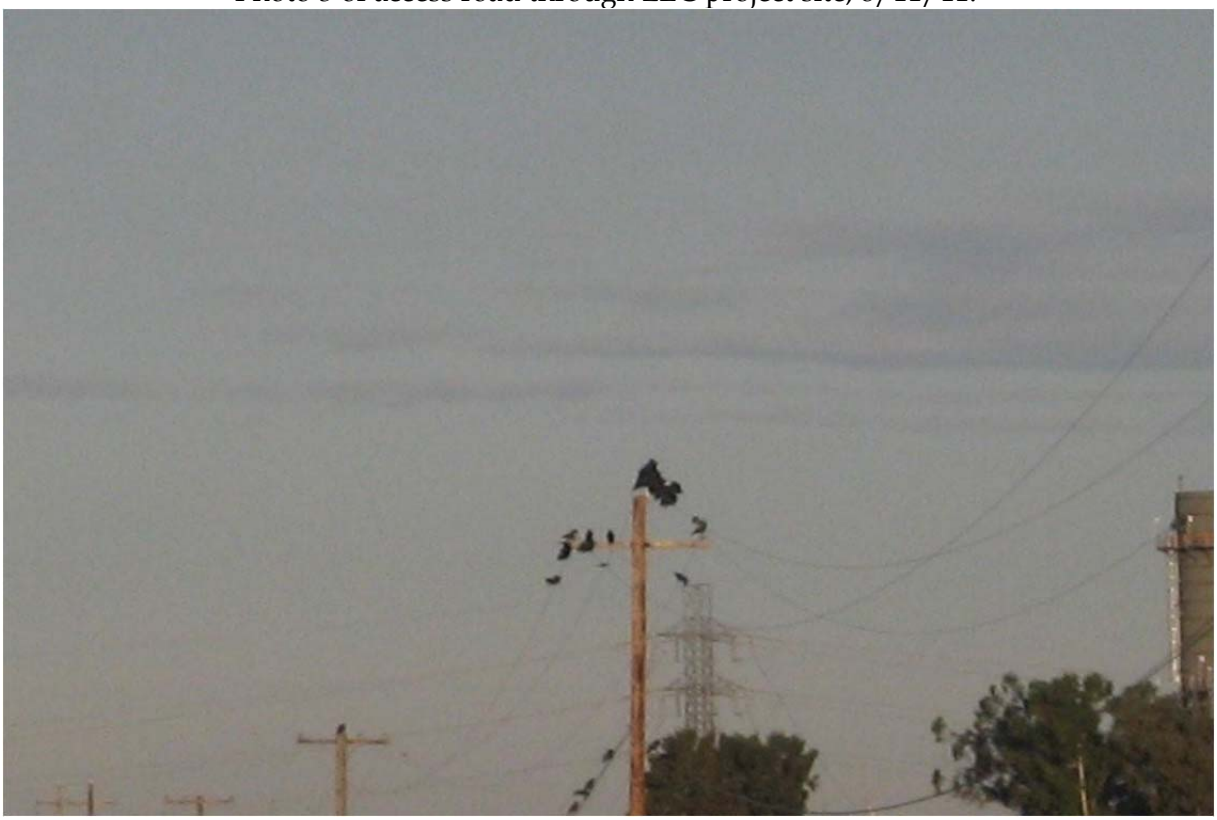


Photo 4 of a murder of crows on transmission line near gas pipeline right-of-way, 8/25/11.

Photo 5 of PG&E pot-hole crew preparing farmers field for potholing, 8/25/11.

Photo 6 of PG&E pot-hole area after potholing is completed, 8/25/11.

Photo 7 close-up of pot-hole area after potholing was completed, 8/25/11.

Photo 8 of Swainson's hawk foraging over pot-hole area, 8/25/11.

Photo 9, entrance road to STIG Plant with dust control in place, 8/25/11.

Photo 10 of western portion of HRZG, 8/25/11.

Photo 11 of northern portion of LEC project site, 8/25/11.

Photo 12 of eastern portion of LEC project site, 8/25/11.

Photo 13 of temporary access road between HRZG and water treatment building, 8/31/11.

Photo 14 of heavy machinery being placed by a large crane, 8/31/11.

Appendix C
Wildlife Observation Forms

This page intentionally left blank there were no reported wildlife observations during the month of August 2011.

Monthly Report of Cultural Resources Monitoring Activities for the Lodi Energy Center; COC CUL-6

Prepared For: Sarah Madams, LEC Project Manager
Prepared By: Clint Helton, LEC CRS
Reporting For Period: August 2011

This report covers cultural resources monitoring activities at the Lodi Energy Center (LEC) project for the month of August 2011, as required by Conditions of Certification CUL-6.

Personnel Active in Cultural Monitoring This Period

Clint Helton was on-call as the Cultural Resources Specialist (CRS) for this month.

Monitoring and Associated Activities This Period

No cultural resources monitoring occurred.

Cultural Resources Discoveries This Period

None.

Anticipated Changes in the Next Period

None.

Comments, Issues or Concerns

None.

Lodi Energy Center (LEC) COC PAL-5; Paleontological Resources Monitoring Report for Construction Activities in August, 2011

PREPARED FOR: Andrea Greiner, Greiner & Associates
Sarah Madams, CH2M HILL

PREPARED BY: W. G. Spaulding, Ph.D., Paleontological Resources Specialist (PRS)

DATE: September 19, 2011

Personnel On-Call for Paleontological Monitoring This Period:

Jaspal Saini - Paleontological Resources Monitor (PRM)

Training Conducted This Month

All construction personnel receive the CEC approved Paleontological Resources Awareness Module of Worker Environmental Awareness Training prior to working on this project.

Monitoring Conducted This Month

Excavations to depths that may have paleontological potential have largely been concluded as project build-out goes vertical. Because no paleontologically sensitive sediments were affected this last month, no paleontological resources monitoring was conducted.

Changes In the Future

Paleontological resources monitoring has been scaled back because no additional paleontologically sensitive sediment is being affected. The next step is to determine whether any additional deep excavations will occur in the future.

Paleontological Discoveries This Month

No paleontological resources were encountered during this reporting period.

Comments, Issues or Concerns

No issues or concerns were encountered during this period.

Exhibit 9

WEAP Training Sign-In Sheets

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8\1\2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
BRYAN SPIELMAN	[illegible]	ARB
TONY, ASA	[illegible]	ARB
Matt Kruegu	[illegible]	MVE
Tim Adams	[illegible]	Sheedy

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8/2/2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
PHUOC LUONG		G.S.E

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8/4/2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Jesus Gomez	[illegible]	Cupertino Electric
Leonel Soto	Leonel Soto T.	Stockton Fence
Marcelo Lopez	Marcelo Lopez	Pengilly
Mike Pengilly	[illegible]	Pengilly Masonry
Ray Caputo	[illegible]	" "
DAVID KNAPP	[illegible]	" "
Kevin Doll	Kevin M. Doll	" "
Michael Pickens	[illegible]	OE Local 3

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8\4\2014

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Jose Berber	Jose Berber	Pengeli

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8\5\2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
James Church	[illegible]	Laborer
Mario Frano	Mauberto Frano	Labore

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8/8/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Franklin Johnson	[illegible]	Pipefitter /ARB
DAN BEDFORD	[illegible]	OPERATOR

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8-9-2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
STEVEN R. CARTWRIGHT	[illegible]	CUPERTINO

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8\10\2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
JOHN ROSER	John Roser	DRESSER - RAND
Ryan Ousada	[illegible]	ARB - PF-W
Josh McCalip	[illegible]	Dresser Rand
Brandon L Hodges	Brandon L Hodges	ARB - PF

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: _____

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Luis Gonzalez		ARB
JAVIER MALO		ARB
Tim Lewis		ARB
RYAN M. HICKS		ARB
John Anthony Malte		Brand
STEPHEN BROWN		ARB
BRIAN McCARLOY		ACCO / START-UP
Joseph Rivera		Cupertino Electric

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 08/15/2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
JUSTIN ISAACSON		Dresser RAND
MARK CNORR		DRESSER RAND
Donnie Chavez		ARB
Ronnan Sylvester		ARB
Ricky Lesui		CET
Nathan Parker		CEI
JEFF REIDER		CET

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8-16-11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Joey Capari	[illegible]	Rengilly Masonry Laborer

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8-18-11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Tony Zozoya	[illegible]	Newton / Site Supt
Peter Kinsel	[illegible]	Newtron / General Foreman
Ronnie Kelch	Ronnie Kelch	Pensilly Masonry
Richard E. Griffin	[illegible]	Cupertino / Linesman/welder
Conrad Jimenez	Conrad Jimenez	Hansen pte

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 22/8 - 11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Mattias Berglund	[illegible]	SIEMENS

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8\19\2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Charles Nunez	[illegible]	CEI
William J Schroeder	William Schroeder	Painter

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8-23-2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Matthew Strout	[illegible]	Siemens Energy /Engineer
Paul "Lenny" Costa Jr.	[illegible]	ARB

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 08\24\2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
DAN HACKLEY	Dan Hackley	ARB
Donnie Connell	[illegible]	ARB
[illegible]	[illegible]	CEI
Kordelc Humphrey	Kordelc Humphrey	ARB
Lonnie Cabrera	[illegible]	ARB

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 8/25/11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
Gerardo Martinez	[illegible]	Cupertino

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 29 AUG 11

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
CHUCK BROOKS	[illegible]	SIEMENS / ST ENGR
Josh Welborn	[illegible]	Cupertino
VIRGIL W. THOMPSON	Virgil W. Thompson	CUPERTINO
Chad Center	[illegible]	Cupertino

Lodi Energy Center

WORKER AWARENESS ENVIRONMENTAL PROGRAM

TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: Aug 30, 2011

PLEASE NOTE:

By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Lodi Energy Center Project, and I agree to comply with all the environmental requirements presented.

Name (print)	Name (signature)	Company/Role
William R Davis	William R Davis	Superintendent
Rudy Gonzales	Rudy Gonzales	Badgerdaylight,
Justin Chicka	[illegible]	Badger daylight operator
Steven Brown	[illegible]	Paso Robles / Boilermakers
Charles Lillis	Charles Lillis	Paso Robles Tanks Boilermaker
Jose Marin	Jose Marin	Dresser Rand

Exhibit 10

Construction Safety Reports

LODI ENERGY CENTER PROJECT
July 2011 SAFETY SUMMARY

Prepared by J.E.Selvey, LEC Construction Safety Supervisor

Recordables: 0
New Restricted work cases: 0
Near Misses; 0
First Aids: 0
Vehicle Incidents: 1

New hires, Hours, and Training;

- 230Kv switchyard training: **0** Total trained for the switchyard: **39**
- New hire orientations and WAEPs: **69 for July**
- Average workers: **Month of June; 253 ***
- Hours worked for **June: 43,884 *** YTD: **237,901 *** Job Start TD: **315,224 ***

* Numbers will be one month behind. We do not receive the numbers until two weeks into the following month stopping their inclusion in this month's report.

Findings for July:

PPE Violations

- Several instances of people not wearing respirators when welding, grinding, or cutting alloyed and galvanized metals.
- Workers not wearing respirators when grinding concrete and using a jack hammer on same.
- Double eye protection when grinding metals or concrete
- No meta-tarsal guards when using tampers and jack hammers.
- Gloves in several instances not being worn
- Ear plugs needed when using certain machines
- Fall protection not being worn or not used correctly.

Housekeeping

- Discarded aerosol cans are starting to collect around the site. These are to be considered hazardous waste and disposed of with this in mind. They also represent a serious tripping hazard.
- Site is unraveling due to ARB laying off the designated clean up crews.
- Piles of trash and wood getting to the point that access and walking ways are being impinged on. Sent an e-mail regarding this with immediate results.
- Old or used barricade tape not being gathered up and thrown away. Tape also represents a tripping hazard.

Housekeeping, cont.

- Stacks of pre-bent re-bar prevalent around the site.
- Routing of cords and leads is beginning to develop into a problem. Inside the STG enclosure they are constantly being run over by JLGs

Basic Site Observances

- Un-labeled containers found. The material was identified and containers labeled.
- There were several areas where the change in elevation for an access or walkway exceeded 18”. These were addressed.
- Bench grinder missing shield on right wheel. Only the left wheel is used for sharpening tungsten. Shield was ordered
- Road configuration changed. I advocated barricades be put in place to protect Gas Compressor skid and fire hydrants.
- Need convex traffic mirror at NW corner of site. Mirror is ordered
- Level of deck was raised and the handrails were not changed with it. When I brought it to the attention of the foreman, he fixed it immediately.
- Stair platform at back of the WP trailer were crooked and not set properly. ARB Laborers leveled and secured the platform along with cutting the weeds that would have impaired an escape.
- Fiberglass tanks were set on the Water Treatment Building pad without any tie downs.
- Vault manways are being left open with no one watching. Problem was easily fixed
- JHA details are starting to slip. Spoke with Mac concerning this and saw improvement over the next couple weeks
- Access to CWT pad blocked by stacks of re-bar. People climbing on the stacks to get in and out of the pad at the west end. Had the re-bar moved.
- Two Porta-Johns were not placed in a safe area. They were moved to a safer location.
- O2/Acetylene bottles were not secured properly. They were moved to a bottle cart, and where that was not feasible they were tied securely with two wires, top and bottom.
- Re-bar cages was set in a hole 28’ deep. The guys setting the cage did not have fall protection on. Stopped the job and involved Gabe of CEI Safety in a discussion about 100% tie-off at the site.
- Had to move a 480volt power box. It was blocking a new exit in the CT enclosure.
- Worker tied of to tubing on top of the GSU Transformer. Stopped him and got with his foreman.
- Large “spreader bar” is here belonging to Agate that has no Tare or Weight Allowance. Had bar taken off site and replaced by one that had the required info.

Positive Observances

- Plan put in place for coating the inside of the circulating water pipe. MSDS provided along with ventilation and entry procedures.
- Response to most safety suggestions expedient and thorough.

- People going out of their way for the most part to be safe. They are asking questions before beginning things they are unsure of.
- Good attitudes are still the norm out here, safety wise.
- The all trade Safety Audits done semi-weekly are a good idea. There are many things the safety walks are catching most of which are housekeeping and PPE issues.
- Weeds were cut in the PF laydown yard. Yard is clean and orderly with compressed gasses stored properly

Environmental/Emergency Response;

- There has been a change in the road configuration. The road will be blocked at the NE corner now and then. If the road is blocked for more than an hour we call the FD and let them know. FD has several copies of a map that shows changes
- SSA has been relocated to the NW corner of the existing plant as per the CEC Final Decision. The western most portion of the new hazardous material storage area is the actual SSA and the line of demarcation is clearly indicated. ARB is allowed to use the rest if it wishes. If they do use it, we will include the storage in our weekly audits.
- Dead bird found. Rick Crowe had just left the site, no problems.

Vehicle:

- Stop sign replaced on road that goes by entrance to White Slough. A line was painted on the road as well which seems to do the job of getting people to stop.
- PIV (Pressure Indicator Valve) was grazed by a flat bed truck. Minor damage to PIV
- Congestion ongoing problem as topography of the site changes.
- Spotters needed when backing up at the site. This is becoming more of a problem as the site gets more complicated

Monthly CEC Project Workers Safety Report

Project: Lodi Energy Center 08-AFC-10

Report Period: August 2011

Prepared by Inspector of Record: Taner Pamuk

1. Executive Summary of the Workers Safety Management

- Health and Safety Committee meetings continued to hold as minimum once a week during this month (four total meetings for the month of August)
- The safety department of contractor ARB continued informing the Fire Department about the nature of confined space works and high angle works via phone as part of emergency readiness and preparation
- The CBO representative performed walk down inspections with LEC Project safety personnel. Issues that were observed during these walk-downs were documented by the LEC Project safety personnel and correction follow-up was done accordingly.

2. Field Condition and Observations

The Project Owner (NCPA) and project management/design team (WP) emphasized safety concerns and communicated through the contractor (ARB) to take corrective actions and mitigate the hazards.

The Project Owner (NCPA) and project management/design team (WP) were also focused on the contractors (separate than the contractor ARB) that would be onsite to built Cooling Tower and Tanks for the upcoming month (September)

The contractor ARB and its subcontractor continued to enforce and ensure fall protection and demonstrated well established culture regarding fall protection. Although some observations were made in which retractable life lines were not properly used. The site personnel responded quickly and positively upon made request for corrections.

A new subcontractor was on site for erecting brick walls inside the Water Treatment Building. The project safety personnel paid extra attention and focus on the brick layers scaffolding.

The Project Owner (NCPA) and project management/design team (WP) was focused on safety concerns such as respiratory protection (while performing any hotworks such as welding and

grinding on harmful metals), use of come-alongs and beam clamps to rig and secure piping during installments. Some other minor issues that were challenged by the LEC project were: housekeeping, pathways to work areas.

CBO and NCPA/WP safety personnel noticed that the boiler makers were planning to perform welding inside the condenser tank at STG enclosure / building. CBO and NCPA/WP safety representatives talked to the contractor ARB's safety manager about the operation. Contractor ARB's safety manager verbally confirmed that they were aware of the work and confined space (permit required) procedures would be followed for this specific operation. The only issue that they corrected was the mechanical ventilation which was in reverse direction.

A concern was brought to the attention by the Project Owner (NCPA) and project management/design team (WP) regarding lifting of silos in which two cranes were used and the lifting was close to the existing plant's live unit. The Owner and its management team pointed out that the lift was critical and they should have been informed prior to the lift to make precaution arrangements such as shutting off live units (transformer) of the existing plant.

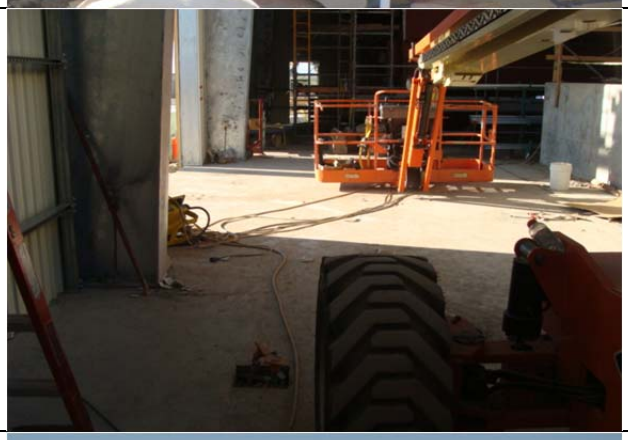
2.1. Job Safety Analyses

Contractor ARB and its subcontractors continued to perform daily Job Hazard Assessments for each working crew. It was noted that some of the Job Hazard Analyses were poorly prepared and were not covering the hazards / risks specific to the task. This concern was brought to the attention of project safety personnel.

2.2. Safety Inspections

- NCPA/WP safety manager performed daily site inspections and a follow-up was made by NCPA/WP safety manager to ensure that unsafe items were closed
- NCPA/WP safety manager performed safety inspections and random checks on site to ensure that ARB is in compliance with LORS and maintaining a safe site for its workforce
- Contractor ARB performed interval work location safety inspections involving its subcontractors
- Contractor ARB performed interval safety walk-downs with work crews to improve and enforce worker safety

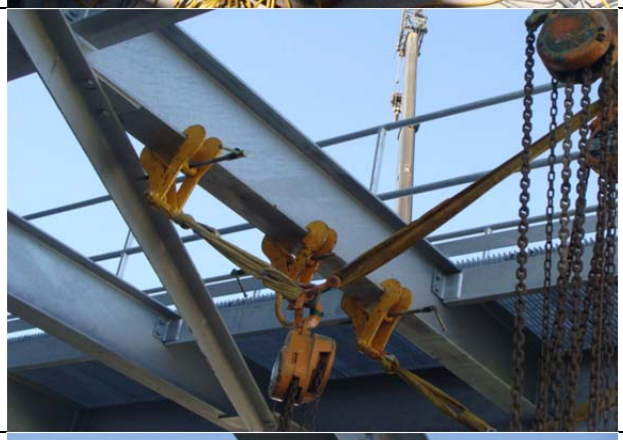
3. Observed Unsafe Conditions and Corrective Actions Taken

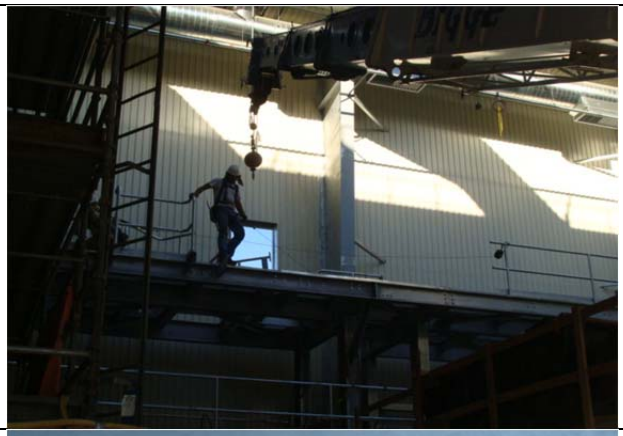
	Correction Required Use of respiratory while welding / cutting any harmful metals (stainless steel pipe) **Standard** 8 CCR 5144 (a), 1528 (a) & 1531 **Corrective Action Requested** Ensure and respiratory while welding / cutting any harmful metal RESOLVED
	**Correction Required** Avoid physical damages to extension cords **Standard** 1910.305(a)(2)(x) **Corrective Action Requested** Protect cords from physical damages either by providing necessary means of protection or re-routing cords RESOLVED
	Correction Required Improper come-along hook connection: side loading of the hook and applying load to the tip of the hook **Standard** Against manufacturer recommendations **Corrective Action Requested** Re-configure come-along set-up and avoid re-occurrences RESOLVED – Ongoing concern

	Correction Required Use of welding screen to protect others from welding arc / flash **Standard** 8 CCR 4851 (a) **Corrective Action Requested** Use of welding screens in common areas where adjacent personnel might be exposed to welding arc light (where applicable) RESOLVED
	Correction Required Housekeeping: tripping hazard created by pipes on the ground **Standard** 8 CCR 1513 **Corrective Action Requested** Perform housekeeping Ensure clear pathways and work station free from tripping hazards RESOLVED
	Correction Required Fall protection – Tie off point concern: employee tied to aerial lift while working out-side the basket **Standard** N/A **Corrective Action Requested** Lanyard should be secured at a level not lower than the employee's waist Do not to tie-off to the basket while working outside the basket

	Correction Required Falling material hazard: Steel erectors were using buckets filled with bolts which were standing on the beams **Standard** N/A **Corrective Action Requested** Do not use buckets
	Correction Required Housekeeping concern and fire prevention: combustible materials (such as scrap wood) were left under the HRSG deck **Standard** 8 CCR 1513 29 CFR 1910.252(a)(2)(i) **Corrective Action Requested** Perform housekeeping and remove combustible material RESOLVED
	Correction Required Fall protection violation & unsafe use of ladder **Standard** 8 CCR 3276 (e)(9)&(11) & 8 CCR 1670 (a) **Corrective Action Requested** Ensure fall protection and safe use of ladders RESOLVED

	Correction Required Avoid physical damages to extension cords **Standard** 1910.305(a)(2)(x) **Corrective Action Requested** Protect cords from physical damages either by providing necessary means of protection or re-routing cords RESOLVED
	Correction Required Use of respiratory while mixing mortar **Standard** 8 CCR 5144 (a), 1528 (a) & 1531 **Corrective Action Requested** Use of dust mask (NIOSH approved – N95) * Employee was provided with dust mask (N95) however mistakenly believed that he did not need to wear it due to wind direction RESOLVED
	Correction Required Distance between the guard and abrasive wheel was more than ¼ inches – the tool was unplugged and not in use **Standard** 29 CFR 1910.215 (b) **Corrective Action Requested** Correct the tool RESOLVED

	Correction Required Observed an electrical panel left open and unattended during maintenance. The panel was switched off / de-energized – (Locked out was implemented) **Standard** 8 CCR 2320.4 & 2320.6 **Corrective Action Requested** Barricade the area and use tags to inform others RESOLVED
	**Correction Required** Improper set up beam clamps: beam clamps were side loaded and angle of the slings were approximately 30 degree **Standard** Manufacturer recommendations **Corrective Action Requested** Avoid this type of set-ups and do not side load the beam clamps RESOLVED – Ongoing item
	Correction Required Come along hook with missing safety latch **Standard** Manufacturer recommendations **Corrective Action Requested** Ensure that hook latches are in place and in working order RESOLVED

	**Correction Required** Improper use of retractable life line: If employee fell, he would swing (pendulum effect) **Standard** Manufacturer recommendations **Corrective Action Requested** Relocate the retractable life line RESOLVED
	Correction Required Beam clamp was not grabbing the beam properly due to side loading **Standard** Manufacturer recommendations **Corrective Action Requested** Avoid side loading and ensure that beam clamp was installed properly as required by the manufacturer RESOLVED
	Correction Required Fall protection violation & unsafe use of ladder – not extending 3 feet above the landing point (to access on top of the counter weight cart of the crawler crane) **Standard** 8 CCR 3276 (e)(11) & 8 CCR 1670 (a) **Corrective Action Requested** Ensure fall protection and safe use of ladders RESOLVED

4. Positive Observations

- Project safety personnel is proactive when encountering concerns; issues are researched for best outcome, such as contacting equipment manufacturers prior for clarification on safe usage of tools, etc.
- There is continuous communication with the Fire Department as part of project emergency preparedness.

Exhibit 11

Correspondence, Filings, or Permits Issued by Other Governmental Agencies

None this period.

Exhibit 12

Non-Compliance Report Log

ARB, Inc.

NON-CONFORMANCE LOG

(FORM # 13-2)

NCR NO.	Date Rec'd.	Description of NCR	Date Closed	Remarks
1	12-1-10	Inadequate clearance DB0721	2-17-11	Closed
2	12-1-10	Inadequate clearance DB0411	2-17-11	Closed
3	12-9-10	Shut off valve for hydrant closer than detailed.	7-29-11	Closed
4	1-25-11	Spacer Issues Duct bank 0421	2-17-11	Closed
5 B1	2-7-11	Damage to bundle drain couplet		New couplet has been installed & NDE complete. Will close after Hydro.
6	2-18-11	Low concrete breaks cooling tower foundation west block of foundation	3-18-11	Closed 56 Day breaks, 4280psi, 4260psi
7	2-25-11	Wood Group flame cut holes in compressor frame without prior approval	3-4-11	Closed RFI 1211
8	3-3-11	Low concrete breaks Gas compressor pad	3-10-11	Closed per engineering evaluation. 56 day break 3900psi
9	4-5-11	Low concrete breaks DB0221 bottom lift.	4-27-11	Closed 56 Day breaks, 2330 psi
10	5-5-11	Low concrete break mid section cooling tower. Pour #102	6-1-11	Closed 56 day break 4290psi
11	4-19-11	Turbine Support bolt off location	4-27-11	Closed RFI 1276
12	4-26-11	Embed plates cast off center HRSG sump	7-27-11	Closed RFI 1291
13	5-12-11	CT enclosure anchor bolts off location	6-11-11	Closed RFI 1314
14	5-24-11	Electrical vaults leaking water		Pending final walkdown
15	6-2-11	Low concrete break CTG PDC pedestals	6-30-11	Closed. 56 day break 4480PSI
16	6-15-11	Grout @ CTG package failed to bond	6-21-11	Closed
17	6-15-11	Grout on STIG pipe supports coming out		Remove, rebush & regrout
18	7-21-11	Low concrete break water treatment building. 3940 psi	8-18-11	56 day results 8-18-11 4250PSI CLOSED
19	8-11-11	Damaged valve11LBB40AA503		New parts are on order.

ARB, Inc.

NON-CONFORMANCE LOG

(FORM # 13-2)

20	**8-12-11**	**Low concrete b. 3940 break F4 Transmission foundation**	**9-9-11**	**Closed 56 day results 4080psi**
21	**8-18-11**	**Low concrete b. 3730 psi break F3Transmission foundation**		**Contact Cemex get 56 day results 9-15-11**
22	**8-16-11**	**Low concrete b. 3720 psi break F2 Transmission foundation**	**9-13-11**	**Closed 56 day break results 4220psi**