Mariposa Energy, LLC
333 S. Grand Ave., Suite 1570, Los Angeles, CA 90071
Tel: (213) 473-0080 Fax: (213) 620-1170

October 13, 2011

Mr. Craig Hoffman, CPM
(09-AFC-3C)
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814

**SUBJECT: Mariposa Energy Project (09-AFC-3C)**
**COMPLIANCE-6 Monthly Compliance Report – September 2011**

Dear Mr. Hoffman:

Please find attached the Monthly Compliance Report (MCR) for the Mariposa Energy Project (MEP). The attached documentation has been prepared for the month of September 2011, and has been prepared in accordance with California Energy Commission (CEC) General Condition COMPLIANCE-6.

The MCR also contains documentation submitted in accordance with the following CEC Conditions of Certification:

- COMPLIANCE-5 : Updated Compliance Matrix
- AQ-SC3 and AQ-SC5: AQCMM Monthly Reports
- BIO-2, BIO-6, BIO-9, BIO-10, BIO-11, BIO-12, BIO-17: Monthly Compliance Report (September 2011)
- BIO-5, CUL-5 and PAL-4: WEAP Training sign in sheets
- CUL-6: Cultural Resources Monthly Report (September 2011)
- PAL-5 : Paleontological Resources Monthly Report (September 2011)
- SOIL & WATER-2: DESCP Monthly Report (September 2011)
- WORKER SAFETY-3: Monthly Safety Reports
- GEN-2, TSE-1: Master Submittal Schedule
- STRUC-1: Submittal Transmittals
- STRUC-1: CBO Submittal Approvals
- MECH-1: CBO Submittal Approvals
- MECH-1: Submittal Transmittals
- ELEC-1: Submittal Transmittals
- TSE-4: Submittal Transmittals

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If you have any questions regarding this submittal, please do not hesitate to contact me at (213) 346-2134 or Keith McGregor at (916) 286-0221.

Sincerely,

Chris Curry
Mariposa Energy, LLC
Senior Manager - Development

Attachment: One hard copy of the MEP Monthly Compliance Report (September 2011)
One CD-ROM of the MEP Monthly Compliance Report (September 2011)

cc: Bo Buchynsky, Mariposa Energy, LLC
Gary Normoyle, Mariposa Energy, LLC
James Spicer, Mariposa Energy, LLC
Kristy Santucci, Bureau Veritas (CD-ROM Only)
Keith McGregor, CH2M HILL
Debi Hertz, CH2M HILL

# Monthly Compliance Report #3
# September 1-30, 2011
# Reporting Period

# Mariposa Energy Project

**Livermore, California**
**09-AFC-3C**

Submitted to

**California Energy Commission**

Submitted by

**Mariposa Energy, LLC**

With Technical Assistance by

CH2MHILL

2485 Natomas Park Drive
Sacramento, California 95833

October 2011

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# Monthly Compliance Report #3

## 1.0 Introduction

On May 18, 2011, the California Energy Commission (CEC) issued a license to Mariposa Energy, LLC (Mariposa Energy) for the construction and operation of the Mariposa Energy Project (MEP). The CEC Compliance Project Manager (CPM) issued a limited notice to proceed letter to Mariposa Energy on June 3, 2011, allowing the start of construction activities for surveying and fencing for the power plant and related linear facilities. On June 15, 2011, a full notice to proceed was issued.

This is the third Monthly Compliance Report (MCR) for MEP (09-AFC-3C). This report covers engineering, procurement, construction, and environmental compliance activities that occurred during the period from September 1 to September 30, 2011.

## 2.0 Current Project Status

Mariposa Energy has contracted with LG Constructors (LG) to provide the engineering, procurement, and construction (EPC) services needed to build MEP. The Byron Bethany Irrigation District (BBID) is the construction manager for the water pipeline lateral with Tidelands Construction (Tidelands) as the general construction contractor for the water pipeline lateral. Pacific Gas and Electric Company (PG&E) will design, build, and operate the natural gas pipeline trunk-line from its gas main to the project's gas yard; PG&E's scope will end just downstream of the PG&E revenue meter.

Construction continued in September as the water pipeline work approaches completion and the main plant saw significant progress on underground utilities and foundation work. As of September 30, 2011, the project was 22 percent complete overall. Table 1 presents the percent complete numbers for the EPC activities as of the end of the month.

**TABLE 1**
Percent Complete for MEP Engineering, Procurement, and Construction Activities
*MEP MCR #3 September 1 to September 30, 2011*

| Activity | Main MEP Site | Water Pipeline | Transmission Line | Natural Gas Pipeline |
|---|---|---|---|---|
| Engineering | 92 | 98 | 97 | 95 |
| Procurement | 97 – Engineered Equipment<br>80 – Subcontracts | 100 | 100 | NA |
| Construction | 17 | 60 | 15 | 1 |

Engineering of the main plant continued throughout September. LG's Monthly Progress Reports are provided in Exhibit 1. LG prepared 87 drawing packages submittals in September that were issued to the Chief Building Official (CBO) for approval or information

only. Design of the water pipeline and pump station remains 98 percent complete through September 30, 2011. LG's portion of the 230-kV transmission line interconnect design is approximately 97 percent complete, PG&E's portion is approximately 90 percent complete. The PG&E engineering design of the natural gas pipeline is approximately 95 percent complete as of September 30, 2011. The design was submitted to LG for review and comment on September 21, 2011, and returned to PG&E for revision on September 27, 2011.

LG's construction efforts for the month of September were focused on underground electrical and piping and structural foundations. Electrical concrete manholes were installed throughout the site. Duct bank conduit runs were installed between the electrical manholes as well as laterals toward future equipment pads. These duct banks were then backfilled with concrete over the conduit and covered with soil. Conduit was also installed to the center of the generator step-up (GSU) transformer foundations. On September 28, the foundation for the CTG 600 was poured along with the GSU transformer pads. On September 30, 2011, LG poured the foundation for CTG 700. The ECM 600 and PCM 600 and 700 foundations were formed in September with rebar in progress at the end of the month. LG installed the underground wastewater sump and oily water separator sump. The raw water supply line into the site was installed from Bruns Road to the plant entrance. AZCO continued onsite fabrication of the service water piping, compressed air piping, chiller water piping, and fuel gas piping.

Work on the BBID water pipeline continued in September with hydrostatic testing of the 1.8-mile pipeline and installation and testing of the cathodic protection. Equipment at the pump station pad was also installed in anticipation of the building installation in October.

The transmission line drilling crews mobilized to the site on September 2, 2011, to adjust the worker exclusion fencing for the path of the monopole foundations. On September 7, the drilling for the footings began. The first foundation was poured on September 21,the second on September 23, and the third on September 27. As of September 30, 2011, four foundations have not yet been installed: one near the stormwater detention pond and three north of Kelso Road on PG&E property.

With the exception of the installation of the biological exclusion fencing, no construction activities associated with the natural gas pipeline have taken place as of September 30, 2011.

Weekly coordination meetings involving representatives from Mariposa Energy, BBID, CH2M HILL, and Tidelands were held onsite during the reporting period. A GE pre-installation meeting was held at the site on September 14 with MEP, LGC, and GE. On September 15, a monthly progress meeting was held onsite with LG and MEP.

Updated project summary schedules for the main plant and water pipeline are included as Exhibit 2 of this report. Look-ahead schedules are provided in Exhibit 3.

A key events list is included as Exhibit 4. The list includes the following revisions this month: a change to the "Begin Installation of Major Equipment" to October 14, 2011, "Complete T/L Construction" to December 30, 2011, and the "Start Gas Pipeline Construction and Interconnection" on November 7, 2011 The anticipated commercial operation date for MEP remains July 1, 2012.

Construction photos taken during the reporting period are provided as Exhibit 5.

# 3.0 Engineering, Procurement, and Construction Activities

This section provides information on the EPC activities that were accomplished during the reporting period.

## Engineering

In September, LG received CBO approval on drawings and calculations for electrical duct banks, ECM foundation drawing, chiller foundation drawing, piping specifications, ammonia skid pad and air tempering fan, CTG power control module foundation, miscellaneous steel drawings, foundation concrete mix designs, lube oil drawing and calculations, turbine foundation and concrete specification, underground cathodic protection plan, grounding and bonding specification, and underground duct bank concrete mix submittals. Copies of the CBO submittal approval notifications for STRUC-1 and MECH-1 are included in Exhibit 6.

The Master Submittal Log was updated by LG on October 5, 2011, and is included in Exhibit 6. Copies of submittal transmittals for Struc-1, TSE-4, Mech-1, and Elec-1 are included in Exhibit 6. More specific details on the main plant engineering and design activities conducted during the reporting period are described in LG's Monthly Report for September in Exhibit 1.

No new waterline submittals were submitted in the month of September. BBID is currently preparing the design submittal for the HVAC unit at the pump station building.

No natural gas pipeline design submittals have been submitted to the CBO as of September 30, 2011. It is anticipated that the design will be submitted to the CBO in mid-October for review.

## Procurement

During the reporting period, the procurement status for the main plant is as follows: the aboveground pipe erection and centerline equipment erection package was awarded to AZCO who are also installing the underground piping. Start-up electrical testing was awarded to Frank Riley/Power Industries.

LG received bids for fire protection in September. Bid packages were issued for aboveground electrical and I&C construction, CTG platforms and SWYD metering enclosure.

A list of the awarded equipment purchase orders for the month of September is included in LG's Monthly Progress Reports (Exhibit 1).

The water pipeline procurement status is as follows: All contracts and purchase orders have been awarded for the water pipeline.

## Construction

The following major MEP construction activities were accomplished between September 1 and September 30, 2011:

**Water Pipeline Corridor and Pump Station Activities**

- The vertical turbine pumps and surge tank have been installed on their concrete pads and pipe connections to underground line are installed.
- A hydrostatic test of the installed 10-inch ductile iron water pipeline was completed and passed inspection on September 12, 2011.
- The exclusion fencing along Bruns Road from Alkali Sink Wetland 1 (ASW-1) to Kelso Road was removed and the roadside was restored.
- The concrete vaults for the 4-inch redundant fiber optic line were installed.
- Pavement and shoulder restoration was completed along the water pipeline.
- The cathodic protection system was installed and successfully tested on September 26, 2011.

**Natural Gas Pipeline Activities**

- The biological exclusion fencing was installed at the gas pipeline corridor.

**230-kV Transmission Line Interconnect Activities**

- The foundations were drilled and anchor bolts set with concrete poured at four of the five transmission line poles south of Kelso Road by the end of the month.
- Transmission line monopoles were delivered.

**Main Site Activities**

- Formwork, rebar, and concrete placement at the foundations for CTG 600 and 700 and GSU transformer foundations 600 and 700 were completed.
- Formwork and rebar were installed at Emissions Control Modules 600 and 700, and Power Control Modules 600 and 700.
- 1,100 linear feet of waterline piping was installed from the site entrance to the main site.
- Twelve electrical manholes were installed and conduit duct bank runs were installed between manholes 8 through 5 and 17 through 13 including backfill of the trenches with concrete.
- Duct bank conduit runs were installed from Manholes 7, 6, and 5 to supply the CTGs, PCMs and administration building.
- Conduit runs were installed from manholes 17 and 16 to GSU transformers.
- Onsite fabrication of belowgrade chiller piping, stainless steel compressed air piping, fuel gas piping, and water line piping was performed.

- Oily water separator sump and wastewater sump were delivered and installed on September 8, 2011

# 4.0 Project Compliance Activities

This section includes a description of the documents required by specific conditions to be submitted as part of the MCR. The specific documents required are attached as exhibits unless they have been previously submitted to the CEC's CPM as noted. A compliance matrix is attached as Exhibit 7 listing all of the applicable construction conditions and the status of each. 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.

AQ-SC3: Discussion on the control of dust plumes during construction is included in the air quality control management (AQCM) reports from LG and Tidelands, provided in Exhibit 8.

AQ-SC5: Reporting on the control of diesel construction emissions during construction is included in the AQCM reports from LG and Tidelands in Exhibit 8. During September, LG submitted two requests to the CEC for exceptions to use two pieces of non-Tier 3 equipment for the transmission line construction. Copies of those documents are included in the AQCM report.

BIO-2: Todd Ellwood is the Designated Biologist for MEP. A summary of the biological resource activities for the reporting period is included in Exhibit 9.

BIO-5: Ninety-one people were trained on the Worker Environmental Awareness Program (WEAP) in the month of September, bringing the cumulative total of WEAP-trained individuals to date to 281.

BIO-6: A discussion on the status of Biological Resources Mitigation Implementation and Monitoring Plan measures (e.g., surveys, species observed, and construction activities) is included in the Designated Biologist's monthly report in Exhibit 9.

BIO-7: The Phase 2.5 Temporary Construction Fencing survey report was prepared on September 29, 2011, documenting the biological and worker exclusion fencing constructed for the gas line corridor. The report will be issued to the CEC in early October.

BIO-9: A summary of the branchiopod avoidance measures implemented during the reporting period is included in Exhibit 9.

BIO-10: A summary of the implementation of California tiger salamander and California red-legged frog avoidance measures is included in Exhibit 9. The Phase 2.5 Temporary Construction Fencing survey report was prepared on September 29, 2011, documenting the biological and worker exclusion fencing constructed for the gas line corridor. The report will be issued to the CEC in early October.

BIO-11: A summary of the implementation of western pond turtle avoidance measures is included in Exhibit 9. The Phase 2.5 Temporary Construction Fencing survey report was prepared on September 29, 2011, documenting the biological and worker exclusion fencing constructed for the gas line corridor. The report will be issued to the CEC in early October.

BIO-12: A summary of the implementation of burrowing owl avoidance measures is included in Exhibit 9.

BIO-13: The Phase 2.5 Temporary Construction Fencing survey report was prepared on September 29, 2011, documenting the biological and worker exclusion fencing constructed for the gas line corridor. The report will be issued to the CEC in early October.

BIO-14: The Phase 2.5 Temporary Construction Fencing survey report was prepared on September 29, 2011, documenting the biological and worker exclusion fencing constructed for the gas line corridor. The report will be issued to the CEC in early October.

BIO-17: A summary of the implementation of impact avoidance and mitigation measures for waters and wetlands is included in Exhibit 9.

CUL-2: The weekly schedules are being sent to the Cultural Resource Specialist (CRS) via email per this condition and are not included in this report.

CUL-5: Copies of the signed WEAP training sheets are included as Exhibit 10.

CUL-6: Clint Helton is the CRS. The monthly cultural resources monitoring report is included in Exhibit 9.

NOISE-2: No noise complaints occurred during the reporting period.

SOIL & WATER-2: The qualified Stormwater Pollution and Prevention Plan (SWPPP) developer, Mieke Sheffield, has summarized the monthly status report of the Drainage, Erosion, Sedimentation Control Plan (DESCP) measures in Exhibit 9.

TRANS-1: Heavy Haul Roadway use permits were issued to Jensen Pre-Cast for the delivery of electrical concrete manholes throughout September and to Maxim and Tadano for delivery of cranes. The permits issued are as follows: Contra Costa County-PB-11-21-0188; State of California-914101, 358702, 358301, 354884 and 355903; City of Sacramento-110422-02; San Joaquin County-PS-1100188; County of Alameda-37020, 36905, 37021, 36895, 33674; City of Tracy-T11-0356, T11-0330, T11-0357; and the City of Stockton-11-133.

TRANS-8: On September 14, 2011, Mariposa Energy submitted to the CEC copies of confirmations from the FAA that the requests for Airport Data Change, Aeronautical Chart Change and Terminal Chart Changes had been received. On September 30, the Byron Airport issued the Notice to Airmen (NOTAM) and updated the Automated Surface Weather Observing System (AWOS) as required by the FAA for this condition.

WORKER SAFETY-3: The monthly safety inspection reports from LG and Tidelands are included in Exhibit 11 of this report.

GEN-2: A copy of the latest Master Submittal Schedule updated October 5, 2011, is included in Exhibit 6.

CIVIL-3: No Non-Conformity Reports (NCR) were submitted during the reporting period for the main project site and water pipeline.

STRUC-1: Copies of the structural submittal transmittals are included in Exhibit 6. Copies of the CBO approval of structural submittals are included in Exhibit 12.

MECH-1: Copies of the major piping submittal transmittals are included in Exhibit 6. Copies of the CBO approval of major piping submittals are included in Exhibit 12.

ELEC-1: Copies of the electrical submittal transmittals are included in Exhibit 6.

PAL-4: Copies of the signed WEAP training sheets are included as Exhibit 10.

PAL-5: The paleontological monthly monitoring report is included in Exhibit 9.

TSE-1: The transmission facility design submittals are included in the master submittal schedule, which is included in Exhibit 6.

TSE-4: Copies of the transmission facility submittal transmittals are included in Exhibit 6.

VIS-2: The Surface Restoration Plan as required by VIS-2 has been prepared and is currently being reviewed by LG. The plan will be submitted to the CEC in October.

### Submittal Deadlines Not Met

No submittal deadlines were missed during the reporting period.

## 5.0 Conditions Satisfied During Reporting Period

Table 2 provides a list of the conditions of certification satisfied during the reporting period of September 1 to September 30, 2011.

**TABLE 2**
Conditions of Certification Satisfied During the Reporting Period
*MEP MCR #3 September 1 to September 30, 2011*

| Condition | Brief Description | Date Submitted | Actions that Satisfied the Condition |
|---|---|---|---|
| TRANS-8b | Requests for Airport Data Change, Aeronautical Charge Change, Terminal Area Chart Change for Byron Airport | 9/13/11 | Submitted requests to the FAA |
| TRANS-8b | Notice to Airman (NOTAM) and Automated surface Weather Observing System (AWOS) updates | 9/30/11 | Byron Airport submitted to FAA at request of FAA |

## 6.0 Approved Changes to Conditions of Certification and Filings or Permits Issued by Other Government Agencies

On September 19, 2011, the CEC issued a Notice of Determination of staff level approval on the Petition to Modify the General Plan Arrangement submitted on August 17, 2011, by Mariposa Energy. The public and interveners have 14 days from September 19 to file a written objection to the staff's determination. If no objections are received by October 4, 2011, the modification to the General Arrangement will be approved.

No permits were issued by other governmental agencies from September 1 to September 30, 2011.

Table 3 provides a list of filings submitted to other governmental agencies during the reporting period.

**TABLE 3**
List of Filings Submitted to Other Governmental Agencies During the Reporting Period
*MEP MCR #3 September 1 to September 30, 2011*

| Item Submitted | Agency Submitted to | Date Submitted |
|---|---|---|
| Request for modification to Airport Data, Aeronautical Char and Terminal Area Chart | Federal Aviation Administration | September 13, 2011 |
| Notice to Airman (NOTAM) and Automated surface Weather Observing System (AWOS) updates | Federal Aviation Administration | September 30, 3011 |

# 7.0 Anticipated Compliance Activities for October 2011

Mariposa Energy will continue to provide progress updates on the compliance activities discussed above in future monthly reports. Additionally, the following compliance documents will continue to be monitored with the CEC or submitted during October:

- AQ-SC1: Air Quality Construction Mitigation Manager / Natural Gas Line Contractor
- TRANS-5: Transportation of Hazardous Materials
- TRANS-7: Final Exhaust Stack Lighting
- VIS-2: Surface Restoration Plan
- VIS-4: Permanent Lighting
- HAZ-4: Aqueous Ammonia Tank Submittal
- WORKER SAFETY-1: Project Construction Safety and Health Program / Natural Gas Line Contractor
- WORKER SAFETY-3: Construction Safety Supervisor / Natural Gas Line Contractor
- GEN-7: Discrepancy in Design

# 8.0 Additions to Onsite Compliance File

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

# 9.0 Request to Dispose of Items Required to be Maintained in Project Files

There are no files in the project compliance files that Mariposa Energy is requesting to dispose of.

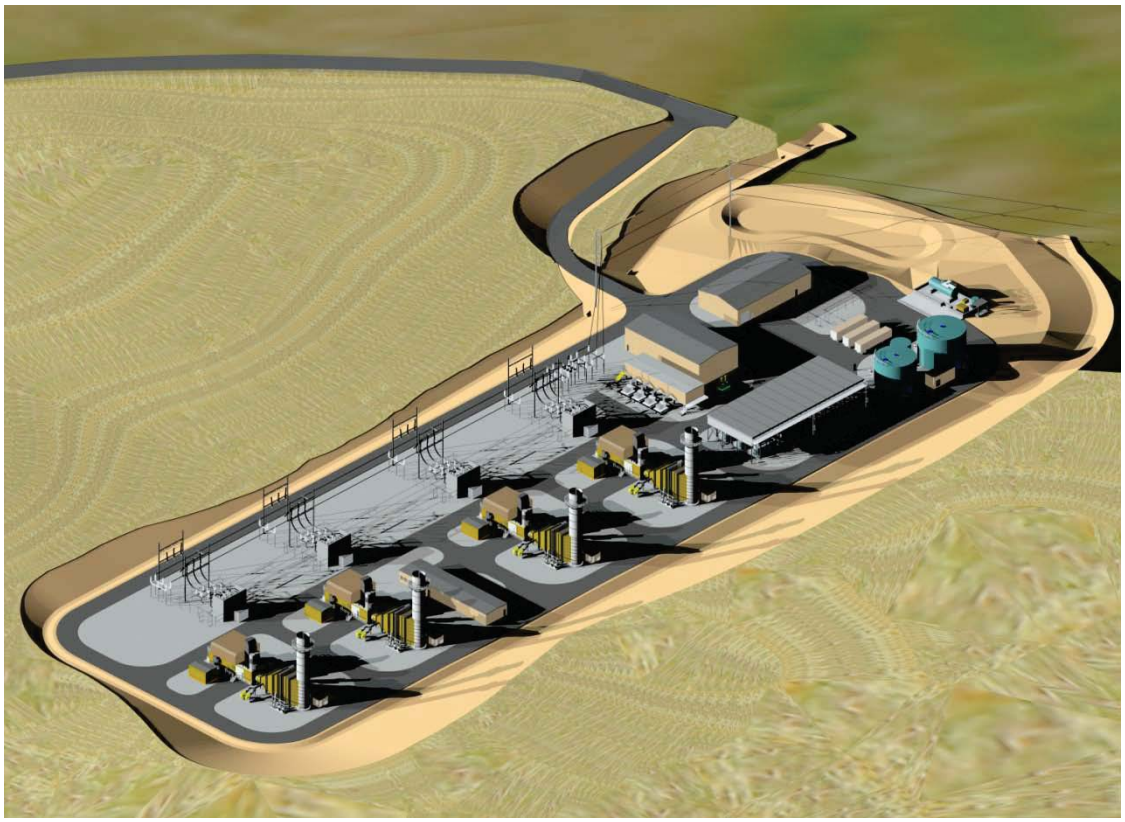
# 10.0 Complaints, Violations, Warnings, Citations

No complaints, notices of violation, official warnings, or citations were received during the reporting period.

# Exhibit 1
# LG Monthly Progress Reports

Diamond Generating Corporation
A Subsidiary of Mitsubishi Corporation

# MARIPOSA ENERGY PROJECT MONTHLY PROGRESS REPORT SEPTEMBER 2011



LG Co

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# 1 Executive Summary

## Summary

Mariposa Energy, LLC (MEL) issued a Notice to Proceed (NTP) to LG Constructors (LG) on December 20, 2010 to begin engineering activities for the Mariposa Energy Project. LG began working on the project on December 20, 2010 developing specifications for the long lead procurement items for the project and reviewing the contract documents.

The project was approved by the California Energy Commission on May 18th, 2011. The ATC from the BAAQMD and CBO has been received.

MEL granted full site access on July 18th. The easement on the transmission line corridor next to the Kelso Compressor Station continues to delay the installation of the transmission line and the entire transmission line was placed on hold and it may not be released until late October. MEL provided notice that the transmission line south of Kelso Road could be installed on August 30th; however the transmission line north of Kelso Road was still on hold. The delay in the installation of the transmission line will not allow the line to be installed prior to October 15, 2011 and could impact the project completion date.

### Engineering & Design

Engineering & Design continued with the specifications and design for the remaining BOP equipment for the site. The General Arrangement (GA) for the plant was updated during the month. P&ID drawings were updated utilizing the information from the Contract Documents and making them site specific for the project. Electrical and piping worked on the underground and above ground drawings to finalize the construction requirements. Several documents continue to be submitted to the CBO for review and comments incorporated as required. Engineering is currently 92% complete.

### Procurement

Procurement activities for September included issuing purchase orders for some of the remaining pieces of engineered equipment. The engineered equipment is 97% bought out at the end of the month.

Issued Equipment Bid Packages for: CTG Platforms and SWYD Metering Enclosure.

Issued Purchase Orders for: BOP Steel, CTG Platforms, Non-Seg Bus Duct, DC Battery / UPS Power Supply, Plant Data Communications Equipment, Field Mounted Instruments, Switchyard Metering Enclosure, Rain for Rent and Construction Waste Disposal & Recycling.

Issued Subcontract Bid Packages for: Electrical and I&C Installation.

Subcontracts issued during the month included Center Line Equip / AG Pipe Erection.

.

### Construction

During the month of September, Construction activities continued with the award for the Mechanical Equipment and AG Piping Subcontract to AZCO for the project. Construction began with the Teichert completing grading operations, Collins Electric installing electrical manholes and duct bank, AZCO fabricating and installing underground pipe, and the Overaa mobilizing at the site and beginning to install combustion turbine and GSU transformer foundations.

### Startup & Commissioning

During the month of September, the Startup Manager continued working on the startup program and contracted with Frank Riley/Power Industries to perform startup electrical testing at the site..

### Schedule

The Level III schedule was worked on during the month to establish a new construction baseline for the project using the July 18, 2011 site access date.

Engineering critical path currently runs through the electrical engineering with the completion of the Cable Tray Design and Arc Flash Study supporting turnover of the A/G Electrical subcontract package. Other engineering critical items include the Switchyard Schematics and Wiring Diagrams final design.

Engineering accomplishments for this reporting period include completion of the Mechanical Control Valve / PSV settings and System Descriptions. Other notable completions included the release of the A/G electrical subcontract bid package.

Construction critical path runs through the completion of the underground electrical duct banks and process piping. Last minute duct bank design changes have caused schedule delays in completing tasking on time. Also notable critical tasking includes the completion of the T-Line construction effort. We are working the customer to allow work past the October deadline to complete this critical tasking to support our target back feed date.

Major construction accomplishments for this reporting include continued effort for the underground electrical duct bank & manholes installation, formwork, rebar & concrete placement for CTG & GSU # 600, and GSU # 700.

We also started formwork & reinforcing steel for CTG # 700 & PCM # 600.

## Priorities/ Issues/ Concerns

The full authorization to mobilize on site was given on July 18th approximately one month after the contract date. The delay in performing site grading activities has compressed the underground piping and underground electric schedules along with the foundation work to where they are on the critical path for completion of those activities prior to above ground work. The delay in transmission line work is a concern for back feed availability at site in February 2012.

The combustion turbines begin arriving in mid-October and construction activities are proceeding to have the foundations being ready to receive the equipment.

# 2 Safety

***Major Activities and Accomplishments:***

- We worked on site safety staffing requirements for project. A second safety person will begin October.
- No Safety items to report.
- Continued to provide safety training for craft employees

***Planned Activities for next month:***

- We will continue working on site safety staffing requirements with the subcontractors.
- Continue safety training for craft employees.

***Safety Record***

See Safety Statistics next page.

## Mariposa Energy Project HSE Statistics

| | September 2011 | This Month | YTD | PTD | Comments refer to this month only |
|---|---|---|---|---|---|
| Lag Indicators | Lost Time Injury (LTI) | 0 | 0 | 0 | |
| | Medical Treatment Case (MTC) | 0 | 0 | 0 | |
| | Restricted Work Case (RWC) | 0 | 0 | 0 | |
| | First Aid | 0 | 0 | 0 | |
| | Near Miss | 0 | 0 | 0 | |
| | Equipment Damage | 0 | 0 | 0 | |
| | Environmental Incident | 0 | 0 | 0 | |
| | Procedure breach | 0 | 0 | 0 | |
| Lead Indicators | Audits | 1 | 1 | 1 | |
| | WEAP Training | 61 | 164 | 164 | |
| | HSE Meetings | 59 | 162 | 162 | |
| | SBO's | 63 | 99 | 99 | |
| | | | | | |
| | Training Hours | 122 | 270 | 270 | |
| | Orientations | 61 | 135 | 135 | |
| | P.T.P's | 176 | 318 | 318 | |
| | | | | | |
| | Random Drug Tests | 0 | 0 | 0 | |
| | Senior Management Site Visits | 3 | 6 | 6 | |
| | Emergency Drills | 0 | 0 | 0 | |
| Frequencies | Hours Worked | 12,152 | 19,157 | 19,157 | |
| | Average # Persons | 69 | | | |
| | OSHA Recordable Incident Rate | 0.0 | | | |
| | LTIFR (12m moving avg) | 0.0 | | | |

***The information shown in this report includes all weekly data since previous months report up to the last reporting week within this month***

# 3 Environment

## Permit Status

The easement along the Kelso gas compressor station needs to be resolved and the 851 permit issued.

# 4 Summary of Progress and Status

## Engineering Progress:

### General

**Major Activities and Accomplishments:**

- As of September 30, 2011, engineering was 92% percent complete. Engineering percent complete by discipline is provided in Section 11
- Continued to bid and award remaining equipment, materials and subcontracts
- Continued reviewing vendor drawing submittal packages
- The Master Documents Deliverables List is updated and attached to this report (Contract Exhibit B Scope of Work Section A.13.2 and CEC compliance item GEN—2a)
- The document control Master Document Index including vendor submittals is attached to this report
- Conducted a controls review meeting on site with Emerson and MEL

**Planned Activities for October 2011:**

- Complete bid and award electrical and instrumentation equipment and continue subcontract bid packages.
- Issue remaining equipment foundation drawings IFC and obtain CBO approval on all major foundation drawings and calculations.
- Issue AG Piping/Centerline Equipment subcontract award package.

### Layouts

**Major Activities and Accomplishments:**

- Continued weekly model review and coordination meetings
- Issued GA elevation drawings and GE plan updates.

**Planned Activities for October 2011:**

- Complete weekly model review and coordination meetings

### Civil

**Major Activities and Accomplishments:**

- Issued permanent fencing drawings and specifications IFC

**Planned Activities for October 2011:**

- None

### Structural

**Major Activities and Accomplishments:**

- Continuing to resolve CBO comments to foundation drawings

- Continued miscellaneous foundations
- Issued purchase requisitions for CTG platforms

***Planned Activities for October 2011:***

- Complete miscellaneous foundations and bus duct supports

## Architectural

***Major Activities and Accomplishments:***

- Issued final construction trailer and parking drawings

***Planned Activities for October 2011:***

- Vendor submittal reviews.

## Process/Mechanical

***Major Activities and Accomplishments:***

- reviewed building fire protection systems subcontract bids
- Issued revised P&ID's

***Planned Activities for October 2011:***

- Issue final System Design Descriptions (SDD)
- Review vendor documents
- Issue performance testing specification

## Electrical

***Major Activities and Accomplishments:***

- Continued to finalize above ground subcontract drawings including lighting, grounding, layouts, cable tray, and panel schedules
- Issued medium and low voltage 1-lines IFC and issued 3-line diagrams
- Issued revised underground duct bank drawings
- Issued purchase requisition for non-seg bus duct, UPS/battery chargers and plant communication hardware

***Planned Activities for October 2011:***

- Issue above ground subcontract drawing package IFC
- Support award of above ground electrical subcontract
- Continue developing cable, conduit and tray schedules
- Issue lighting plan CEC submittal

## Instrument/Controls

***Major Activities and Accomplishments:***

- Issued additional control narratives

- Continue to finalize I&C subcontract drawing package including instrument installation details, site security plan, control room layout, instrument location plans, network architecture drawings, and instrument index
- Continue to develop HMI screens for review
- Issued purchase requisition for instruments and control valves

***Planned Activities for October 2011:***

- Issue instrument loop diagrams
- Issue final HMI screens
- Issue I&C subcontract bid package drawings IFC
- Issue purchase requisition for DCS consoles

## Piping

***Major Activities and Accomplishments:***

- Continued design and modeling of underground and above ground piping systems
- Issued revised underground piping drawings
- Issued above ground piping plans for CBO approval

***Planned Activities for October 2011:***

- Complete piping design including pipe supports and piping lists
- Revise chilled water piping for the revised GE filter house design

## Transmission and Distribution

***Major Activities and Accomplishments:***

- Continued detailed switchyard design
- Continued design coordination with PG&E
- Continued switchyard wiring diagrams
- Issued purchase requisition for switchyard metering enclosure

***Planned Activities for October 2011:***

- Complete switchyard wiring diagrams
- Issue switchyard installation subcontract bid package
- Finalize fiber optic interface with switchyard and Kelso substation

***Areas of Concern***

- Resolution of PG&E design criteria and MEL's interconnect agreement discrepancies have been a priority since March and will continue to be a priority. Equipment delivery constraints precluded resolution of potential change order items with DGC prior to implementation by CH2M Hill. A change order has been submitted and has yet to be resolved.
- Obtaining the easement along the PG&E gas property in time to support T-line construction by October 15 continues to be a concern. CH2M Hill is awaiting directive from MEL to proceed with the installation of the T-line in the easement north of Kelso road.

# Procurement Status

### Current Month Major Activities

- Issued Equipment Inquiry Packages for: CTG Platforms and SWYD Metering Enclosure
- Received Equipment Bids for: CTG Platforms, SWYD Metering Enclosure
- Awarded Equipment Purchase Orders for: BOP Steel, CTG Platforms, Non-Seg Bus Duct, DC Battery / UPS Power Supply, Plant Data Communications Equipment, Field Mounted Instruments, Switchyard Metering Enclosure, Rain for Rent and Construction Waste Disposal & Recycling.
- Issued Subcontract Bid Packages for: Electrical and I&C Installation.
- Received Subcontract Proposals for: Fire Protection.
- Awarded Subcontracts for: Center Line Equip / AG Pipe Erection.

### Next Month Planned Major Activities

- Issue Equipment Inquiry Packages for Cal Iso Meter, Fuel Gas Metering Station, Fiber Optic Cable and Protective Relay Panels.
- Receive Equipment Bids for: Fuel Gas Metering Station, Fiber Optic Cable and Protective Relay Panels.
- Evaluate and Award Equipment Packages for: Control Room Consoles, MCC, Fuel Gas Metering Station, Fiber Optic Cable and Protective Relay Panels.
- Issue Subcontract Inquiry Packages for: Switchyard Installation and HV Electrical Testing.
- Receive Subcontract Proposals for: Electrical and I&C Installation, Switchyard Installation and HV Electrical Testing.
- Award Subcontracts for: Fire Protection and HV Electrical Testing.

## Construction and Safety:

### Major Activities and Accomplishments:

- Installed remaining MH 1-19
- Installed waste water sumps/oil water sump
- Placed CTG foundation 600 and 700
- Placed GSU 600 and 700 base mats
- Placed duct bank from MH 6 to MH 4
- Placed medium voltage duct bank for GSU's from MH13 to MH17
- Placed the main east runs of duct bank for MH 6 and MH7
- Installed raw water line from Bruns Rd to site
- Received onsite all UG piping material
- Completed shop fabrication of fuel gas piping
- Fabricated small bore piping onsite

### Planned Activities for next month:

- Installing duct banks main north south run
- Installing Piping east road (south end), 600 CTG area and 700 CTG area
- Excavating to support site activities
- Storm water system
- Complete GSU 600, 700, 800, and 900 foundations
- Complete CT 800 and 900 foundations
- Set fire pump house building
- Set CT 600 and 700
- Set CTG 600
- Set GSU 600, 700, and 800
- Install o/w separator
- Place ECM and PCM 600 and 700 foundations

### Labor Relations:

- A meeting held during the month to discuss craft jurisdictions.

### Subcontracts:

- We will review bid packages for AG Electrical Installation.

## Startup and Commissioning:

The Startup/Commissioning schedule was reviewed during the month.

Startup reviewed engineered equipment proposals during the month and P&ID drawings. Startup began preparing the training program for the site. The purchase order to Frank Riley/Power Industries for startup electrical testing was issued.

# 5 Priorities/ Issues/ Concerns

### Pending Change Status

The requirements for the PG&E interface are being developed.

The transmission line installation delay is on hold until MEL releases the area north of Kelso Road.

### Change Order Status

The delay in full site access was issued and responded to comments.

The temporary access for installing the fire pump foundation was issued.

The heater sizing for the anti-icing heater was issued and responded to comments.

The PG&E Electrical items was developed and sent to MEL.

Delay for the Transmission Line installation is under review.

Cost for stack lighting was issued to MEL and MEL indicated to proceed with the stack lighting. Waiting for change order to be issued.

### Priorities/ Issues/ Concerns

Resolution on the Transmission Line Easement needs resolved. MEL needs to issue written direction to LGC to use the current transmission line routing and release LGC to install the line north of Kelso road.

DGC needs to respond to change orders in a timely manner as responses are taking several weeks.

### Claim Status

No issues at this time.

# 8 Quality Assurance/ Quality Control

## Quality Assurance

### Engineering

- Review and Comments resolved on QC Programs or related documents from suppliers for submittal to CBO to become an Approved Fabricator:
  - Graver (Allstate) Tank, AZCO, NuSteel, and Hamilton Engineering/Creative Welding – all submitted.
  - Fabricators with QC Program review open – S&S Steel and WE Lyons.

- Review and Comment on Submittals from Supplier
  - Express Integrated Technologies – Welding Procedures
  - AllState Tanks – Welding Procedures. - Hamilton Engineering/Creative Welding
- Participated in conversations/communications between site and Engineering regarding Pressure Testing of buried piping systems.

### Procurement

- Supplier Surveillance activities - performed
  - NONE this month
- Supplier Surveillance activities – planning but not performed
  - UE Compressor (Johnny Maitlen) assigned; first week in October
  - EIT – not yet assigned
  - Siemens (PDC) not yet assigned.
  - Conversations with Expediting regarding return inspections at RushAir/TMI

### Construction

Quality Assurance activities included continuing inspection of UG electrical installation, pre-pour inspections and monitor civil activities.

- Monitor and inspection of UG electrical installation
- Monitor of Manhole and Ductbank installation
- Monitor of foundation preparation and placement
- Monitor of T-Line drilled pier installation
- Receipt inspections of incoming material
- Monitor grading, fill and backfill activities
- Management of Materials Testing contract
- Monitor of compaction
- Review of specifications and submittals and any revisions.
- Review of Signet reports
- Interface with CBO and client
- Review of drawings and revisions
- Review of AZCO submittals
- Monitor of HDPE fusion installation
- Monitor of field welding
- Review of subcontractor QC records

## Mariposa September 2011 QA/QC

Marshall Sealey and Johnny Maitlen on site during the month to review Project Quality and related activities.

## Next Month Planned Major Activities

Review of Project Specification Sections and Drawings as applicable

Working with Suppliers in their designation as Approved Fabricators by CBO

Review of Supplier Submittals

Planning of Supplier Surveillance activities

Implement Construction portion of EPC QA Program

## Upcoming Inspections and Testing

Soils compaction

Concrete activities

## Supplier Shop Inspections

UE Compression

Express Integrated Technologies

## Nonconformance Report Log

None to date

# 9 Project Schedule

## Schedule Overview

The Level 3 re-baseline schedule was worked on during the month with anticipated issue on October 7th.

### Critical Path Analysis

Progressing was completed on engineering, procurement and construction tasking. Priority's included final release of the Concrete Subcontract Bid Package to support the early September mobilization target.

Critical Path Analysis (September):

Engineering:

1. Mechanical Construction Specifications.
2. Completion of Electrical Key Plans.

Procurement:

1. FG Compressor Fab & Delivery (target 29NOV11)
2. Chiller Delivery
3. PDC Delivery of 17JAN11 (most critical).

Subcontracts:

1. Electrical/I&C Subcontract
2. U/G Electrical Completion
3. U/G Piping Completion
4. Structural Concrete Foundations for Major Equipment
5. Field Erected Tanks Installation

Construction:

1. U/G Electrical Completion
2. U/G Piping Completion
3. Structural Concrete Foundations for Major Equipment
4. Field Erected Tanks Installation

Level 1 Schedule is attached.

# 11 Progress Measurement

***Engineering (Percent Complete) and Manpower***

The overall engineering percent complete is 92% and can be broken down by discipline as follows:

| | |
|---|---|
| Architectural | 91% |
| Civil | 100% |
| Electrical | 90% |
| General Arrangements | 98% |
| Instrument & Controls | 82% |
| Mechanical | 96% |
| Piping | 98% |
| Structural | 89% |
| Transmission & Distribution | 82% |

The overall engineering progress curves are on the following sheets. The following graph also indicates the overall engineering manpower status based on full time equivalents.

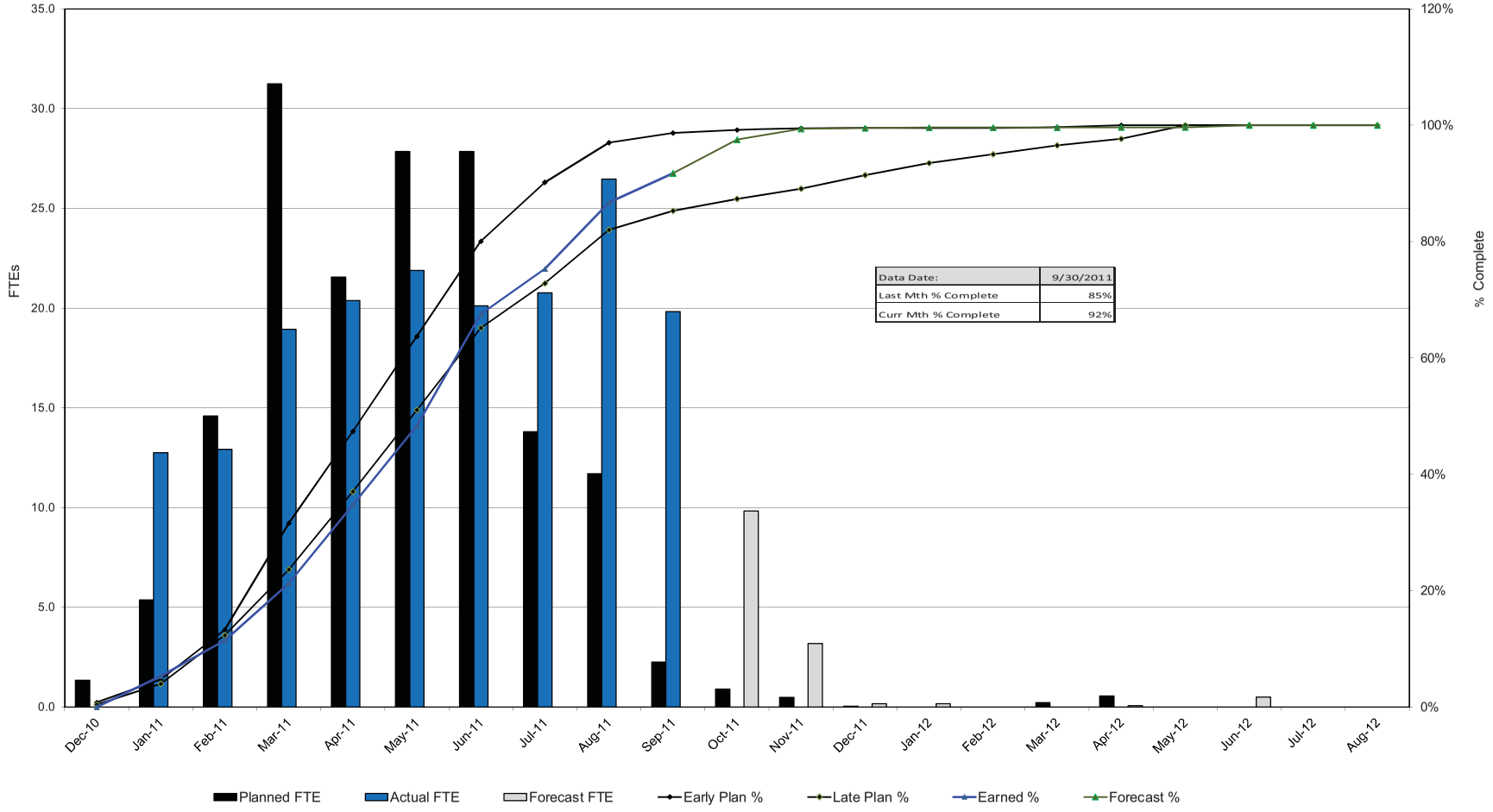
***Procurement (Percent Complete)***

The current procurement percent complete is 67.0%.

***Construction (Percent Complete)***

The current construction percent complete is 17%

# Mariposa Energy Project
## Total Engineering
## Cumulative Progress Curve
Status as of September 30, 2011



# 14 Meeting Status and Schedule

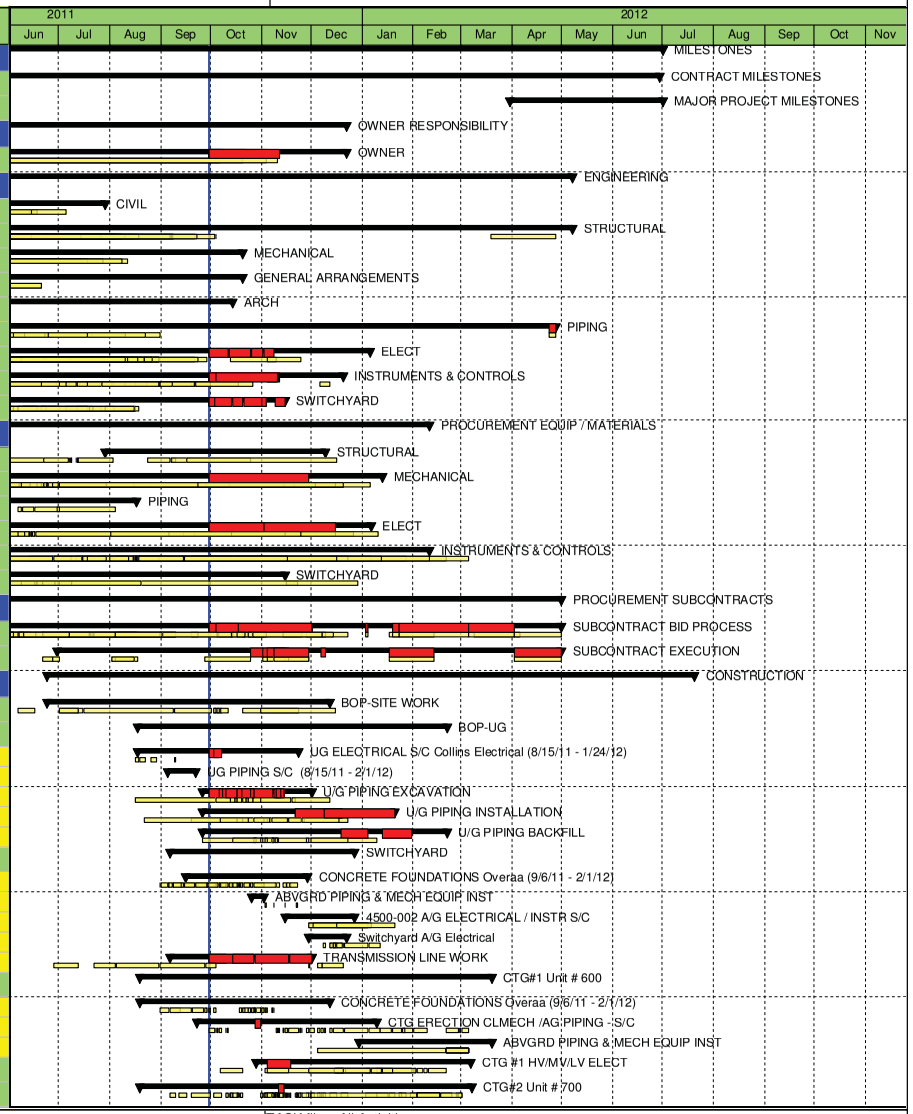
- Project Review Meeting with MEL was held on September 15th
- Pre-bid meeting with Mechanical Erection contractors was held for August 11th.
- Project Review Meeting with MEL is scheduled for October 13th
- A controls meeting with MEL was held on September 15th at the site

# Exhibit 2
# Project Summary Schedule

# LG  September Schedule Update

MARIPOSA ENERGY PROJECT (Current) | PROJECT SCHEDULE | 08-Oct-11 09:28

| Activity ID | Activity Name | % Comp | OD | RD | Start | Finish |
|---|---|---|---|---|---|---|
| **MILESTONES** | | | 397 | 152 | 20-Dec-10 A | 01-Jul-12 |
| CONTRACT MILESTONES | | | 396 | 151 | 20-Dec-1... | 29-Jun-12 |
| MAJOR PROJECT MILESTONES | | | 66 | 66 | 30-Mar-12 | 01-Jul-12 |
| **OWNER RESPONSIBILITY** | | | 260 | 60 | 20-Dec-10 A | 22-Dec-11 |
| OWNER | | | 260 | 60 | 20-Dec-1... | 22-Dec-11 |
| **ENGINEERING** | | | 357 | 157 | 20-Dec-10 A | 07-May-12 |
| CIVIL | | | 138 | 0 | 20-Dec-1... | 29-Jul-11 A |
| STRUCTURAL | | | 357 | 157 | 20-Dec-1... | 07-May-12 |
| MECHANICAL | | | 215 | 15 | 20-Dec-1... | 20-Oct-11 |
| GENERAL ARRANGEMENTS | | | 128 | 15 | 20-Dec-1... | 20-Oct-11 |
| ARCH | | | 76 | 11 | 07-Jan-11 A | 14-Oct-11 |
| PIPING | | | 351 | 151 | 20-Dec-1... | 27-Apr-12 |
| ELECT | | | 291 | 70 | 20-Dec-1... | 05-Jan-12 |
| INSTRUMENTS & CONTROLS | | | 277 | 58 | 20-Dec-1... | 20-Dec-11 |
| SWITCHYARD | | | 204 | 33 | 01-Feb-1... | 15-Nov-11 |
| **PROCUREMENT EQUIP / MATERIALS** | | | 297 | 96 | 12-Jan-11 A | 10-Feb-12 |
| STRUCTURAL | | | 62 | 51 | 29-Jul-11 A | 09-Dec-11 |
| MECHANICAL | | | 269 | 76 | 12-Jan-11 A | 13-Jan-12 |
| PIPING | | | 107 | 0 | 12-May-1... | 17-Aug-11 A |
| ELECT | | | 292 | 71 | 19-Jan-11 A | 06-Jan-12 |
| INSTRUMENTS & CONTROLS | | | 235 | 96 | 09-Feb-1... | 10-Feb-12 |
| SWITCHYARD | | | 198 | 33 | 01-Mar-1... | 15-Nov-11 |
| **PROCUREMENT SUBCONTRACTS** | | | 308 | 152 | 22-Feb-11 A | 30-Apr-12 |
| SUBCONTRACT BID PROCESS | | | 308 | 152 | 22-Feb-1... | 30-Apr-12 |
| SUBCONTRACT EXECUTION | | | 217 | 152 | 30-Jun-11 A | 30-Apr-12 |
| **CONSTRUCTION** | | | 281 | 212 | 24-Jun-11 A | 20-Jul-12 |
| BOP-SITE WORK | | | 147 | 63 | 24-Jun-11 A | 12-Dec-11 |
| BOP-UG | | | 144 | 103 | 18-Aug-1... | 21-Feb-12 |
| UG ELECTRICAL S/C Collins Electrical (8/15/11 - 1/24/12) | | | 80 | 39 | 18-Aug-1... | 23-Nov-11 |
| UG PIPING S/C (8/15/11 - 2/1/12) | | | 0 | 0 | 05-Sep-1... | 22-Sep-11 A |
| U/G PIPING EXCAVATION | | | 55 | 45 | 26-Sep-1... | 01-Dec-11 |
| U/G PIPING INSTALLATION | | | 91 | 81 | 26-Sep-1... | 20-Jan-12 |
| U/G PIPING BACKFILL | | | 103 | 103 | 26-Sep-1... | 21-Feb-12 |
| SWITCHYARD | | | 85 | 63 | 06-Sep-1... | 27-Dec-11 |
| CONCRETE FOUNDATIONS Overaa (9/6/11 - 2/1/12) | | | 52 | 42 | 16-Sep-1... | 28-Nov-11 |
| ABVGRD PIPING & MECH EQUIP INST | | | 6 | 6 | 26-Oct-11 | 02-Nov-11 |
| 4500-002 A/G ELECTRICAL / INSTR S/C | | | 30 | 30 | 15-Nov-11 | 27-Dec-11 |
| Switchyard A/G Electrical | | | 17 | 17 | 29-Nov-11 | 22-Dec-11 |
| TRANSMISSION LINE WORK | | | 67 | 45 | 06-Sep-1... | 01-Dec-11 |
| CTG#1 Unit # 600 | | | 145 | 119 | 19-Aug-1... | 19-Mar-12 |
| CONCRETE FOUNDATIONS Overaa (9/6/11 - 2/1/12) | | | 75 | 49 | 19-Aug-1... | 12-Dec-11 |
| CTG ERECTION CLMECH /AG PIPING - S/C | | | 73 | 62 | 23-Sep-1... | 09-Jan-12 |
| ABVGRD PIPING & MECH EQUIP INST | | | 57 | 57 | 30-Dec-11 | 19-Mar-12 |
| CTG #1 HV/MV/LV ELECT | | | 92 | 92 | 28-Oct-11 | 06-Mar-12 |
| CTG#2 Unit # 700 | | | 128 | 114 | 19-Aug-1... | 07-Mar-12 |




Second Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary



TASK filter: All Activities

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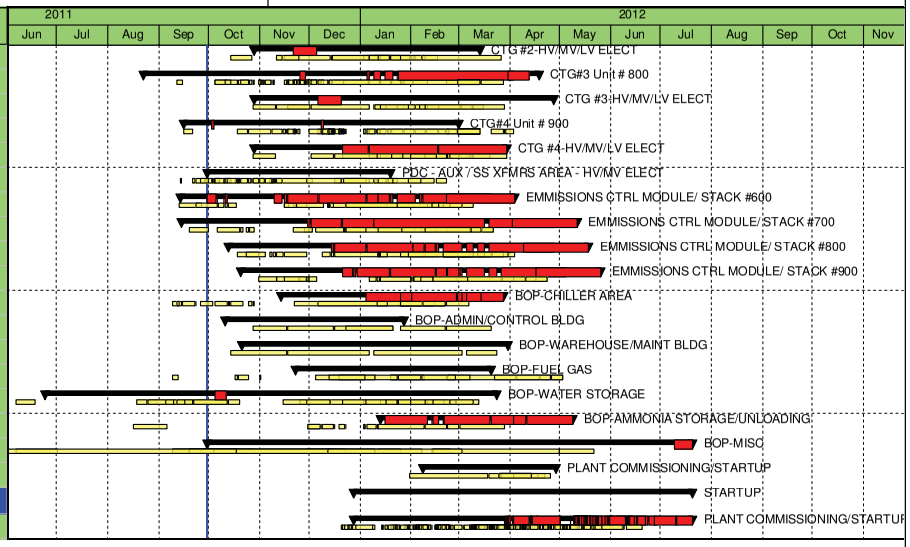
| Activity ID | Activity Name | % Comp | OD | RD | Start | Finish |
|---|---|---|---|---|---|---|
| CTG #2-HV/MV/LV ELECT | | | 97 | 97 | 28-Oct-11 | 13-Mar-12 |
| CTG#3 Unit # 800 | | | 154 | 144 | 23-Aug-1... | 18-Apr-12 |
| CTG #3-HV/MV/LV ELECT | | | 130 | 130 | 28-Oct-11 | 27-Apr-12 |
| CTG#4 Unit # 900 | | | 114 | 108 | 16-Sep-1... | 29-Feb-12 |
| CTG #4-HV/MV/LV ELECT | | | 109 | 109 | 28-Oct-11 | 29-Mar-12 |
| PDC - AUX / SS XFMRS AREA - HV/MV ELECT | | | 80 | 80 | 30-Sep-11 | 19-Jan-12 |
| EMMISSIONS CTRL MODULE/ STACK #600 | | | 129 | 133 | 14-Sep-1... | 03-Apr-12 |
| EMMISSIONS CTRL MODULE/ STACK #700 | | | 166 | 159 | 15-Sep-1... | 11-May-12 |
| EMMISSIONS CTRL MODULE/ STACK #800 | | | 157 | 157 | 13-Oct-11 | 18-May-12 |
| EMMISSIONS CTRL MODULE/ STACK #900 | | | 157 | 157 | 20-Oct-11 | 25-May-12 |
| BOP-CHILLER AREA | | | 97 | 97 | 14-Nov-11 | 27-Mar-12 |
| BOP-ADMIN/CONTROL BLDG | | | 78 | 78 | 11-Oct-11 | 27-Jan-12 |
| BOP-WAREHOUSE/MAINT BLDG | | | 115 | 115 | 21-Oct-11 | 30-Mar-12 |
| BOP-FUEL GAS | | | 85 | 85 | 22-Nov-11 | 20-Mar-12 |
| BOP-WATER STORAGE | | | 195 | 122 | 24-Jun-11 A | 23-Mar-12 |
| BOP-AMMONIA STORAGE/UNLOADING | | | 83 | 83 | 13-Jan-12 | 08-May-12 |
| BOP-MISC | | | 212 | 212 | 30-Sep-11 | 20-Jul-12 |
| PLANT COMMISSIONING/STARTUP | | | 58 | 58 | 08-Feb-12 | 28-Apr-12 |
| STARTUP | | | 149 | 149 | 28-Dec-11 | 20-Jul-12 |
| PLANT COMMISSIONING/STARTUP | | | 149 | 149 | 28-Dec-11 | 20-Jul-12 |




Second Baseline | Remaining Work | Milestone
Actual Work | Critical Remaining Work | Summary



TASK filter: All Activities

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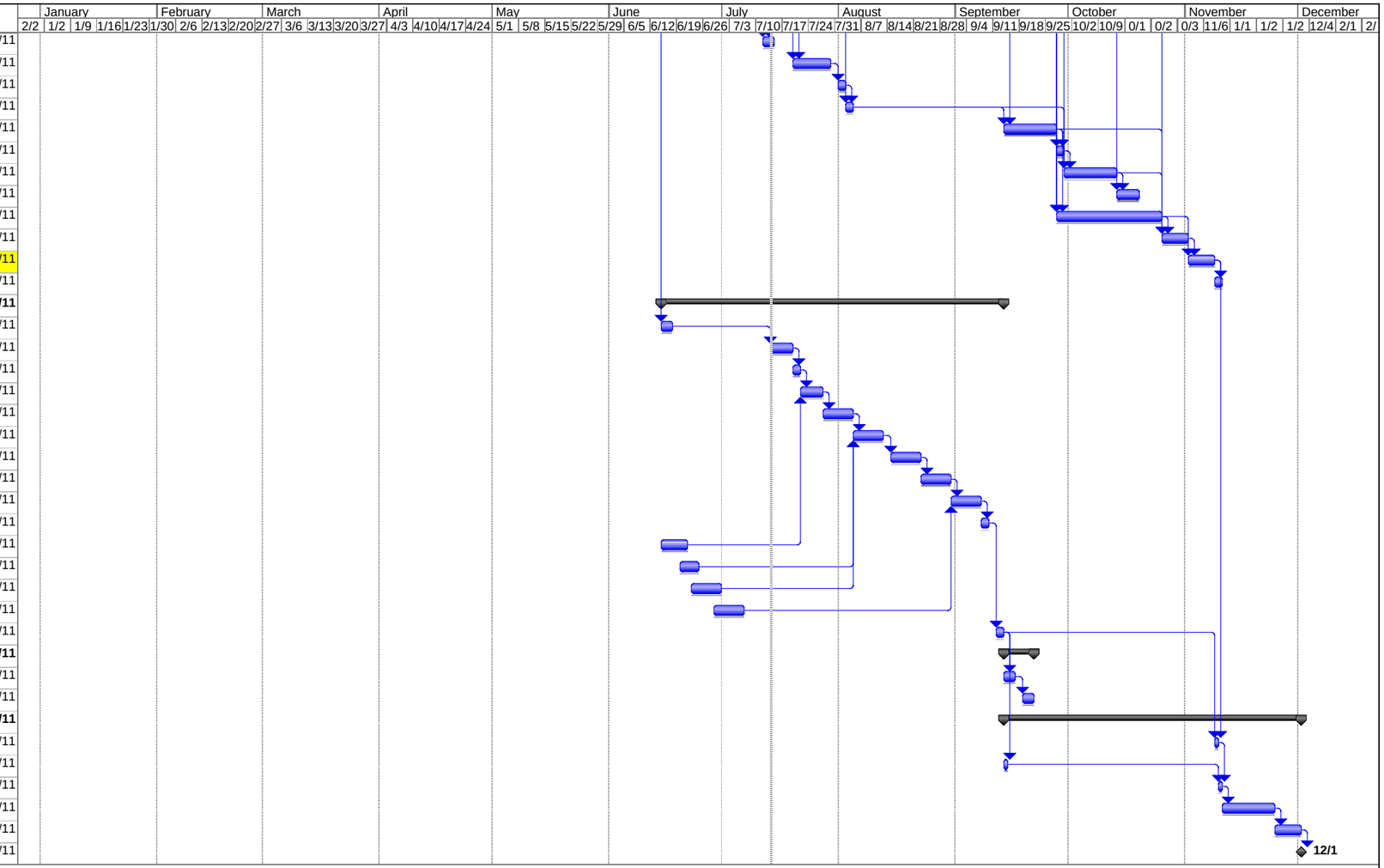
# BBID Schedule

| ID | ID | Task Name | Duration | Start | Finish |
|---|---|---|---|---|---|
| 1 | 1 | CEC Permit to Construct | 19 wks | Mon 1/3/11 | Fri 5/13/11 |
| 2 | 2 | Notice to Proceed | 0 days | Fri 3/4/11 | Fri 3/4/11 |
| 3 | 3 | Mobilization | 1 day | Mon 5/16/11 | Mon 5/16/11 |
| 4 | 4 | Sedimentation and Errosion Control Measures | 1 day | Tue 5/17/11 | Tue 5/17/11 |
| 5 | **5** | **Submittal Preparation** | **15 days** | **Fri 3/4/11** | **Thu 3/24/11** |
| 6 | 6 | Adminstrative - Work Plans | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 7 | 7 | Pumps | 15 days | Fri 3/4/11 | Thu 3/24/11 |
| 8 | 8 | Surge Tank | 15 days | Fri 3/4/11 | Thu 3/24/11 |
| 9 | 9 | Precast Concrete | 15 days | Fri 3/4/11 | Thu 3/24/11 |
| 10 | 10 | Pipe and Fittings | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 11 | 11 | Cathodic Protection | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 12 | 12 | Aggregates | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 13 | 13 | Concrete | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 14 | 14 | Instrumentation | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 15 | **15** | **Prefab Building - By Others** | **10 days** | **Fri 3/4/11** | **Thu 3/17/11** |
| 16 | 16 | Building Reactions | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 17 | 17 | Doors and frames | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 18 | 18 | A/C Unti | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 19 | 19 | Miscellaneous Metals | 10 days | Fri 3/4/11 | Thu 3/17/11 |
| 20 | **20** | **Submittal Review and Approval** | **83 days** | **Fri 3/25/11** | **Tue 7/19/11** |
| 21 | 21 | Administrative - Work Plans | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 22 | 22 | Pumps | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 23 | 23 | Surge Tank | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 24 | 24 | Precast Concrete | 54 days | Fri 3/25/11 | Wed 6/8/11 |
| 25 | 25 | Pipe and Fittings | 42 days | Fri 3/25/11 | Mon 5/23/11 |
| 26 | 26 | Cathodic Protection | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 27 | 27 | Aggregates | 29 days | Fri 3/25/11 | Wed 5/4/11 |
| 28 | 28 | Concrete | 38 days | Fri 3/25/11 | Tue 5/17/11 |
| 29 | **29** | **Prefab Building - By Others** | **83 days** | **Fri 3/25/11** | **Tue 7/19/11** |
| 30 | 30 | Building Reactions | 83 days | Fri 3/25/11 | Tue 7/19/11 |
| 31 | 31 | Doors and Frames | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 32 | 32 | A/C Unit | 71 days | Fri 3/25/11 | Fri 7/1/11 |
| 33 | 33 | Instrumentation | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 34 | 34 | Traveling Fine Screen | 54 days | Fri 3/25/11 | Wed 6/8/11 |
| 35 | 35 | Miscellaneous Metals | 15 days | Fri 3/25/11 | Thu 4/14/11 |
| 36 | **36** | **Owner Furnished Equipment** | **140 days** | **Mon 1/3/11** | **Fri 7/15/11** |
| 37 | 37 | Transformer - Fabrication and Delivery | 8 wks | Mon 4/11/11 | Fri 6/3/11 |
| 38 | 38 | MCC - Fabrication and Delivery | 15 wks | Mon 4/4/11 | Fri 7/15/11 |
| 39 | 39 | Sectionalizing Switch - Fabrication and Delivery | 13 wks | Mon 1/3/11 | Fri 4/1/11 |
| 40 | **40** | **Manufacture and Deliver Material** | **108 days** | **Fri 4/15/11** | **Tue 9/13/11** |
| 41 | 41 | Pumps | 60 days | Fri 4/15/11 | Thu 7/7/11 |
| 42 | 42 | Surge Tank | 60 days | Fri 4/15/11 | Thu 7/7/11 |
| 43 | 43 | Precast Concrete | 20 days | Thu 6/9/11 | Wed 7/6/11 |
| 44 | 44 | Pipe and Fittings | 10 days | Tue 5/24/11 | Mon 6/6/11 |
| 45 | 45 | Cathodic Protection | 10 days | Fri 4/15/11 | Thu 4/28/11 |
| 46 | 46 | Reinforcing Steel | 10 days | Wed 5/18/11 | Tue 5/31/11 |
| 47 | 47 | Instrumentation | 40 days | Fri 4/15/11 | Thu 6/9/11 |
| 48 | 48 | Prefab Building and accessories | 8 wks | Wed 7/20/11 | Tue 9/13/11 |
| 49 | 49 | Traveling Fine Screen | 10 wks | Thu 6/9/11 | Wed 8/17/11 |
| 50 | 50 | Miscellaneous Metals | 15 days | Fri 4/15/11 | Thu 5/5/11 |
| 51 | **51** | **Pump Station** | **107 days** | **Wed 6/15/11** | **Thu 11/10/11** |
| 52 | 52 | Pothole Utilities | 3 days | Wed 6/15/11 | Fri 6/17/11 |
| 53 | 53 | Demo Existing Well Structure | 3 days | Mon 6/20/11 | Wed 6/22/11 |
| 54 | 54 | Install Junction Structure and RCP Pipe | 3 days | Thu 7/7/11 | Mon 7/11/11 |

Project: Project1
Date: Thu 7/14/11

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

| ID | ID | Task Name | Duration | Start | Finish |
|---|---|---|---|---|---|
| 55 | 55 | Install Precast Wet Well | 3 days | Tue 7/12/11 | Thu 7/14/11 |
| 56 | 56 | Building Foundation | 8 days | Wed 7/20/11 | Fri 7/29/11 |
| 57 | 57 | Surge Tank Foundation | 2 days | Mon 8/1/11 | Tue 8/2/11 |
| 58 | 58 | Install Pumps | 2 days | Wed 8/3/11 | Thu 8/4/11 |
| 59 | 59 | Install Prefab Building | 10 days | Wed 9/14/11 | Tue 9/27/11 |
| 60 | 60 | Install Surge Tank | 2 days | Wed 9/28/11 | Thu 9/29/11 |
| 61 | 61 | Install Pump Station Piping | 10 days | Fri 9/30/11 | Thu 10/13/11 |
| 62 | 62 | Install Traveling Screen | 4 days | Fri 10/14/11 | Wed 10/19/11 |
| 63 | 63 | Electrical - By Others | 4 wks | Wed 9/28/11 | Tue 10/25/11 |
| 64 | 64 | Install Instrumentation | 5 days | Wed 10/26/11 | Tue 11/1/11 |
| 65 | 65 | Test Piping, Tanks, and Pumps | 5 days | Wed 11/2/11 | Tue 11/8/11 |
| 66 | 66 | Painting | 2 days | Wed 11/9/11 | Thu 11/10/11 |
| 67 | **67** | **Pipeline** | **65 days** | **Wed 6/15/11** | **Tue 9/13/11** |
| 68 | 68 | Pothole | 3 days | Wed 6/15/11 | Fri 6/17/11 |
| 69 | 69 | Excavate, Lay, Backfill Station 10+04 to 20+00 | 4 days | Thu 7/14/11 | Tue 7/19/11 |
| 70 | 70 | Excavate, Lay, Backfill Station 20+00 to 30+00 | 2 days | Wed 7/20/11 | Thu 7/21/11 |
| 71 | 71 | Excavate, Lay, Backfill Station 30+00 to 40+00 | 4 days | Fri 7/22/11 | Wed 7/27/11 |
| 72 | 72 | Excavate, Lay, Backfill Station 40+00 to 50+00 | 6 days | Thu 7/28/11 | Thu 8/4/11 |
| 73 | 73 | Excavate, Lay, Backfill Station 50+00 to 60+00 | 6 days | Fri 8/5/11 | Fri 8/12/11 |
| 74 | 74 | Excavate, Lay, Backfill Station 60+00 to 70+00 | 6 days | Mon 8/15/11 | Mon 8/22/11 |
| 75 | 75 | Excavate, Lay, Backfill Station 70+00 to 80+00 | 6 days | Tue 8/23/11 | Tue 8/30/11 |
| 76 | 76 | Excavate, Lay, Backfill Station 80+00 to 90+00 | 6 days | Wed 8/31/11 | Wed 9/7/11 |
| 77 | 77 | Excavate, Lay, Backfill Station 90+00 to 92+86 | 2 days | Thu 9/8/11 | Fri 9/9/11 |
| 78 | 78 | Install Casing Station 37+16 to 37+36 | 5 days | Wed 6/15/11 | Tue 6/21/11 |
| 79 | 79 | Install Casing Station 54+46 to 54+66 | 5 days | Mon 6/20/11 | Fri 6/24/11 |
| 80 | 80 | Install Casing Station 57+16 to 57+41 | 6 days | Thu 6/23/11 | Thu 6/30/11 |
| 81 | 81 | Install Casing Station 89+21 to 89+51 | 6 days | Wed 6/29/11 | Wed 7/6/11 |
| 82 | 82 | Hydrotest Pipeline | 2 days | Mon 9/12/11 | Tue 9/13/11 |
| 83 | **83** | **Restoration** | **6 days** | **Wed 9/14/11** | **Wed 9/21/11** |
| 84 | 84 | Pave Corssings and Damaged Areas | 3 days | Wed 9/14/11 | Fri 9/16/11 |
| 85 | 85 | Place Shoulder Backing | 3 days | Mon 9/19/11 | Wed 9/21/11 |
| 86 | **86** | **Completion** | **57 days** | **Wed 9/14/11** | **Thu 12/1/11** |
| 87 | 87 | Make Pipeline Connection to Pump Station | 1 day | Wed 11/9/11 | Wed 11/9/11 |
| 88 | 88 | Make Pipeline Connection to DGC | 1 day | Wed 9/14/11 | Wed 9/14/11 |
| 89 | 89 | Substantial Completion | 1 day | Thu 11/10/11 | Thu 11/10/11 |
| 90 | 90 | Punchlist | 10 days | Fri 11/11/11 | Thu 11/24/11 |
| 91 | 91 | Demobilization | 5 days | Fri 11/25/11 | Thu 12/1/11 |
| 92 | 92 | Final Completion | 0 days | Thu 12/1/11 | Thu 12/1/11 |




Project: Project1
Date: Thu 7/14/11

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone

# Exhibit 3
# Look Ahead Schedules

# LG Schedule

# *AZCO INC.*



## 3-WEEK LOOK AHEAD

| WORK ITEMS | MONTH | September | | | | | | | | | | | | | October | | | | | | | | % | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY | S | M | T | W | TH | F | S | S | M | T | W | TH | F | S | S | M | T | W | TH | F | S | COMPLETE | |
| | DATE | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | | |
| Service Air SB Fab | | | x | x | x | x | x | | | x | x | x | x | x | | | x | x | x | x | x | | | |
| Instrument Air SB Fab | | | x | x | x | x | x | | | x | x | x | x | x | | | x | x | x | x | x | | | |
| Unit 7 CHW 12 & 18" Fab | | | x | x | x | x | x | | | | | | | | | | | | | | | | | |
| Service Water SB Fab | | | x | x | x | x | x | | | x | x | x | x | x | | | x | x | x | x | x | | | |
| Potable Water SB Fab | | | x | x | x | x | x | | | x | x | x | x | x | | | x | x | x | x | x | | | |
| Demin Water | | | s | s | s | s | s | | | x | x | x | x | x | | | | | | | | | | |
| Fire Protection Excavation | | | x | | | | | | | | | | | | | | | | | | | | | |
| Fire Protection Fab | | | x | x | x | x | x | | | x | x | x | x | x | | | x | x | x | x | x | | | |
| 8" Raw Water Fab & Installation | | | x | x | x | x | x | | | x | x | x | | | | | | | | | | | | |
| Raw Water Excavation | | | x | x | x | x | x | | | x | x | x | | | | | | | | | | | | |
| DOW Shop Fab | | | x | x | x | | | | | | | | | | | | | | | | | | | Ships from WI 9/30 |
| DWW Shop Fab | | | x | x | x | | | | | | | | | | | | | | | | | | | Ships from WI 9/30 |
| Unit 6 piping excavation | | | s | s | s | s | s | | | s | s | s | s | s | | | | | | | | | | |
| Oil Water Separator Excavation | | | x | x | | | | | | | | | | | | | | | | | | | | |
| Set Oil Water Separator | | | | | | | | | | | | x | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 6&7 Wash Water Tank Excavation | | | | | | | | | | | | x | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

B = BEGIN S = SUSPEND C = COMPLETE X = ACTIVITY - - - = INTERMITTENT WORK P = POUR

CLIENT CH2MHILL Mariposa ISSUE DATE: September 26, 2011

LOCATION Byron, Ca 14415 BY Ben Row

# *Collins Electrical Company Underground Electrical*



**3-WEEK LOOK AHEAD**

| WORK ITEMS | MONTH | September | | | | | | | September | | | | | | | October | | | | | | | % | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY | M | T | W | TH | F | S | S | M | T | W | TH | F | S | S | M | T | W | TH | F | S | S | COMPLETE | |
| | DATE | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
| MH#8 to MH#4 | | | | | | | | | | | | | | | | | | | | | | | 98% | Backfill btw MH#5 & MH#4 |
| MH#4 to MH#3 | | | | D | D | D | | | P | x | x | B | D | | | D | P | x | x | B | | | 20% | |
| MH#17 to MH#13 | | B | | | | | | | | | | | | | | | | | | | | | 98% | |
| MH#16 & GSU 600 | | B | | | | | | | | | | | | | | | | | | | | | 98% | |
| MH#15 & GSU 700 | | B | | | | | | | | | | | | | | | | | | | | | 98% | |
| MH#14 & GSU 800 | | | | | | | | | E | D | D | P | x | | | | | | | | | | 0% | |
| MH#13 & GSU 900 | | | | | | | | | E | D | D | P | x | | | | | | | | | | 0% | |
| MH#1 to MH#11 | | | | | | | | | | | E | E | D | | | D | P | x | x | x | | | 0% | |
| MH#11 TO MH#18 | | | | | | | | | | | | E | E | | | D | D | P | x | x | | | 0% | |
| MH#18 to WW | | | | | | | | | | | | | E | | | E | D | D | P | x | | | 0% | |
| Unit 600 CTG XFMR & PCM | | | | | E | E | | | D | D | P | x | x | | | B | | | | | | | 0% | |
| Unit 700 CTG XFMR & PCM | | | D | D | P | x | | | B | | | | | | | | | | | | | | 0% | |
| Unit 800 CTG XFMR & PCM | | | | | D | D | | | P | x | x | B | | | | | | | | | | | 0% | |
| Unit 900 CTG XFMR & PCM | | | | | E | E | | | D | D | P | x | x | | | B | | | | | | | 0% | |
| MH#7 to South Side of CTG#700 | | D | E | D | P | x | | | B | B | | | | | | | | | | | | | 20% | |
| MH#6 to South Side of CTG#800 | | D | D | P | x | x | | | B | B | | | | | | | | | | | | | 40% | |
| MH#5 to South Side of CTG#900 | | E | D | D | P | x | | | B | B | | | | | | | | | | | | | 0% | |
| MH#8 to South Side of CTG#600 | | | | | | E | | | E | D | D | P | x | | | | | | | | | | 0% | |
| MH#3 TO MH#1 | | | | | | | | | | | | E | E | | | D | D | P | x | x | | | 0% | |
| MH#4 to PDC | | | | | | | | | | E | E | D | D | | | D | P | x | x | B | | | 0% | |
| MH#3 to PDC | | | | | | | | | | E | E | D | D | | | D | P | x | x | B | | | 0% | |
| Backfill MH #9, 10, 19 | | x | | | | | | | | | | | | | | | | | | | | | 98% | |

E/B = Excavate/Backfill  S = SUSPEND  D = Install DB  X = ACTIVITY  - - - = INTERMITTENT WORK  P = POUR

CLIENT CH2MHILL Mariposa  ISSUE DATE: September 19, 2011

LOCATION Byron, Ca  BY

# *Teichert*



## 3-WEEK LOOK AHEAD

| WORK ITEMS | MONTH | | | | | | | | | | | | September | | | | | | | | | % | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DAY | S | M | T | W | TH | F | S | S | M | T | W | TH | F | S | S | M | T | W | TH | F | S | COMPLETE | |
| | DATE | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | % | |
| Exclusion Fence | | | | | | | | | | | | | | | | | | | | | | | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Strip Top Soil | | | | | | | | | | | | | | | | | | | | | | | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Mob Equipment | | | | | | | | | | | | | | | | | | | | | | | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Pre Compact | | | | | | | | | | | | | | | | | | | | | | | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Cut to Fill | | | | | | | | | | | | | | | | | | | | | | | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lay down Yard/Access roads | | | x | x | | | | | | | | | | | | | | | | | | | 90% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Hauling Rock | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Finishing Pad/Gen Set Foundations | | x | x | | | | | | | | | | | | | | | | | | | | 25% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Storm Drain | | | | | | | | | | x | x | x | x | x | | | x | x | x | x | x | | 0% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Work for AZCO and Collins | | x | x | x | x | x | | | | x | x | x | x | x | | | x | x | x | x | x | | | |
| (See AZCO and Collins 3 week) | | | | | | | | | | | | | | | | | | | | | | | | |
| Carpentry for Trailors | | | | | | | | | | | | | | | | | | | | | | | 100% | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

B = BEGIN S = SUSPEND C = COMPLETE X = ACTIVITY - - - = INTERMITTENT WORK P = POUR

CLIENT CH2MHILL Mariposa ISSUE DATE: September 19, 2011

LOCATION Byron, Ca BY C.J. Boone

**OVERAA**

**MONDAY -9-26-11**

**JOB # 3211**

**MARIPOSA ENERGY PROJ.**

| Activity Description | Week 3 | | | | | | | Week 4 | | | | | | | Week 5 | | | | | | | Week 6 | | | | | | | Week 7 | | | | | | | Week 8 | | | | | | | Week 9 | | | | | | | TARGET START DATE | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | | |
| | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 | 10/1 | 10/2 | 10/3 | 10/4 | 10/5 | 10/6 | 10/7 | 10/8 | 10/9 | 10/10 | 10/11 | 10/12 | 10/13 | 10/14 | 10/15 | 10/16 | 10/17 | 10/18 | 10/19 | 10/20 | 10/21 | 10/22 | 10/23 | 10/24 | 10/25 | 10/26 | 10/27 | 10/28 | 10/29 | 10/30 | 10/31 | 11/1 | 11/2 | 11/3 | 11/4 | 11/5 | 11/6 | | |
| MOB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | I=INSPECTION |
| OVERAA FOUNDATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | P=POUR |
| **CTG UNIT #600** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | D=DELAY |
| BUILD FORMS LAYDOWN YARD FOR CTG & SCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SURVEY FOR CONTROL POINTS AT CTG & SCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG CTG AND SCR AND SLURRY FORMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE SUBSTRATE SLURRY @ CTG & ECM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCS INSTALL REBAR @ CTG FOUNDATION | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL BOLTS @CTG | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SURVEY BOLT LAY OUT AND ELV. | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | X | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ECM UNIT #600** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM ECM SOG | | | | | | | | | | X | X | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | X | X | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL BOLTS @CTG | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ECM UNIT #700** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG CTG AND SCR AND SLURRY FORMS | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL BOLTS | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **CTG UNIT # 700** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SURVEY FOR CONTROL POINTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG CTG AND SCR AND SLURRY FORMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTAL REBAR | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL BOLTS @CTG | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Anchor bolts for CTG 700 arrive 10/3 |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **GSU 600** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Activity dependent on CO |
| FORM SOG | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | X | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM CURB AND WATERSTOP | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM WALLS AND PED ONE SIDE | | | | | | | | | | | X | X | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DOUBLE UP WALLS | | | | | | | | | | | | | | | | | | X | X | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH WALLS AND PEDS | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | X | | | | | | | | | | | | | | | | | | | | | | |
| **GSU 700** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Activity dependent on CO |
| FORM SOG | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | X | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL WATERSTOP & STARTER WALL | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM WALLS AND PED ONE SIDE | | | | | | | | | | | X | X | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



4:21 PM 10/3/2011

**OVERAA**

MONDAY -9-26-11

JOB # 3211

**MARIPOSA ENERGY PROJ.**

| Activity Description | Week 3 | | | | | | | Week 4 | | | | | | | Week 5 | | | | | | | Week 6 | | | | | | | Week 7 | | | | | | | Week 8 | | | | | | | Week 9 | | | | | | | TARGET START DATE | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | | |
| | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 | 10/1 | 10/2 | 10/3 | 10/4 | 10/5 | 10/6 | 10/7 | 10/8 | 10/9 | 10/10 | 10/11 | 10/12 | 10/13 | 10/14 | 10/15 | 10/16 | 10/17 | 10/18 | 10/19 | 10/20 | 10/21 | 10/22 | 10/23 | 10/24 | 10/25 | 10/26 | 10/27 | 10/28 | 10/29 | 10/30 | 10/31 | 11/1 | 11/2 | 11/3 | 11/4 | 11/5 | 11/6 | | |
| FORM WALLS AND PED DOUBLE UP WALLS | | | | | | | | | | | | | | | | | | X | X | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH WALLS AND PEDS | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| **GSU 800** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM STARTER WALL & WATERSTOP | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM WALLS & PEDS ONE SIDE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | |
| DOUBLE UP WALLS AND PEDS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | X | X | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | |
| PLACE & FINISH WALLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | |
| **GSU 900** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR SOG | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM STARTER WALL & WATERSTOP | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM WALLS & PEDS ONE SIDE | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | X | X | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | |
| DOUBLE UP WALLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | X | X | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | |
| PLACE & FINISH WALLS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **PCM UNIT 600** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG | | | | | | | | D | D | D | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE & FINISH SOG | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM COLUMNS | | | | | | | | | | | | | | | | | | | X | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | I | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH COLUMNS | | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| **PCM UNIT 700** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM COLUMNS | | | | | | | | | | | | | | | | | | | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | I | | I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH COLUMNS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | |
| **CTG UNIT 800** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORM SOG | | | | | | | | | | | | | | | X | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL REBAR | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INSTALL BOLTS @CTG | | | | | | | | | | | | | | | | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



4:21 PM 10/3/2011

**OVERAA**

**MONDAY -9-26-11**

**JOB # 3211**

**MARIPOSA ENERGY PROJ.**

| Activity Description | Week 3 | | | | | | | Week 4 | | | | | | | Week 5 | | | | | | | Week 6 | | | | | | | Week 7 | | | | | | | Week 8 | | | | | | | Week 9 | | | | | | | TARGET START DATE | Comments |
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| | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | M | T | W | Th | F | S | Su | | |
| | 9/19 | 9/20 | 9/21 | 9/22 | 9/23 | 9/24 | 9/25 | 9/26 | 9/27 | 9/28 | 9/29 | 9/30 | 10/1 | 10/2 | 10/3 | 10/4 | 10/5 | 10/6 | 10/7 | 10/8 | 10/9 | 10/10 | 10/11 | 10/12 | 10/13 | 10/14 | 10/15 | 10/16 | 10/17 | 10/18 | 10/19 | 10/20 | 10/21 | 10/22 | 10/23 | 10/24 | 10/25 | 10/26 | 10/27 | 10/28 | 10/29 | 10/30 | 10/31 | 11/1 | 11/2 | 11/3 | 11/4 | 11/5 | 11/6 | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| CTG UNIT 900 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| INSTALL BOLTS @CTG | | | | | | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IOR -LG INSPECTION | | | | | | | | | | | | | | | | | | | | | | | | I | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLACE AND FINISH SOG | | | | | | | | | | | | | | | | | | | | | | | | | P | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRIP CLEAN WATERBLAST | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | X | X | | | | | | | | | | | | | | | | | | | | | |
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| **Personnel:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Craft | 8 | 9 | 9 | 9 | 9 | | | 5 | 7 | 7 | 7 | 7 | | | 5 | 7 | 7 | 7 | 7 | | | 5 | 7 | 7 | 7 | 7 | | | 5 | 7 | 7 | 7 | 7 | | | 5 | 7 | 7 | 7 | 7 | | | 5 | 7 | 7 | 7 | 7 | | | | |
| Carpenter | 7 | 6 | 4 | 4 | 4 | | | 4 | 6 | 6 | 6 | 6 | | | 4 | 6 | 6 | 6 | 6 | | | 4 | 6 | 6 | 6 | 6 | | | 4 | 6 | 6 | 6 | 6 | | | 4 | 6 | 6 | 6 | 6 | | | 4 | 6 | 6 | 6 | 6 | | | | |
| Laborer | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | |
| Operators | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironworker | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DOLAN(Concrete) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Total Personnel** | ### | 5 | 5 | 5 | 5 | ### | ### | 5 | 7 | 7 | 7 | 7 | ### | ### | 5 | 7 | 7 | 7 | 7 | ### | ### | 5 | 7 | 7 | 7 | 7 | ### | ### | 5 | 7 | 7 | 7 | 7 | ### | ### | 5 | 7 | 7 | 7 | 7 | ### | ### | 5 | 7 | 7 | 7 | 7 | ### | ### | | |

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| NORTH STAR SURVEY |
| IOR-LG |
| OVERAA |
| PCS |

# BBID Schedule

BBID/MEP
Raw Water Pump Station & Pipeline
3 Week Schedule
9/26 to 10/14

| Work Activity | 26 | 27 | 28 | 29 | 30 | 3 | 4 | 5 | 6 | 7 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pump Station** | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Set Misc Yard Pipe at Pump Station | x | x | | | | | | | | | | | | | |
| Install Traveling Screen/Canal Level Reduction | ? | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| **Install 10"DIP Waterline** | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Cathodic Protection Testing | x | | | | | | | | | | | | | | |
| Misc  Activities | x | x | | | | | | | | | | | | | |
| Project Demobilization | | | | x | x | | | | | | | | | | |
| Place Grout in Casings | | x | | | | | | | | | | | | | |
| Install Pipeline Markers | | | x | | | | | | | | | | | | |
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# Exhibit 4
# Key Events List

## COMPLIANCE TABLE 1
## SUMMARY of COMPLIANCE CONDITIONS OF CERTIFICATION

# KEY EVENTS LIST

PROJECT: Mariposa Energy Project

DOCKET #: 09-AFC-03C

COMPLIANCE PROJECT MANAGER: Craig Hoffman

| EVENT DESCRIPTION | DATE |
|---|---|
| Certification Date | 5/18/11 |
| Obtain Site Control | 6/15/11* |
| Online Date | 7/1/12 |
| **POWER PLANT SITE ACTIVITIES** | |
| Start Site Mobilization | 6/7/11 |
| Start Ground Disturbance | 6/7/11 |
| Start Grading | 6/15/11 |
| Start Construction | 6/7/11 |
| Begin Pouring Major Foundation Concrete | 6/22/11 |
| Begin Installation of Major Equipment | 10/14/11 |
| Completion of Installation of Major Equipment | 5/1/12 |
| First Combustion of Gas Turbine | 5/1/12 |
| Obtain Building Occupation Permit | 5/29/12 |
| Start Commercial Operation | 7/1/12 |
| Complete All Construction | 7/1/12 |
| **TRANSMISSION LINE ACTIVITIES** | |
| Start T/L Construction | 09/2/11 |
| Synchronization with Grid and Interconnection | 02/19/12 |
| Complete T/L Construction | 12/15/11 |
| **FUEL SUPPLY LINE ACTIVITIES** | |
| Start Gas Pipeline Construction and Interconnection | 11/7/11 |
| Complete Gas Pipeline Construction | 2/14/12 |
| **WATER SUPPLY LINE ACTIVITIES** | |
| Start Water Supply Line Construction | 6/7/11 |
| Complete Water Supply Line Construction | 11/10/11 |

# COMPLIANCE TABLE 1
# SUMMARY of COMPLIANCE CONDITIONS OF CERTIFICATION

*A full NTP was issued on June 15, 2011, however a partial NTP was issued on June 3, 2011, which allowed the completion of land surveying activities, installation of the worker and biological exclusion fencing, installation of BMPs, and the completion of preconstruction surveys.

# Exhibit 5
# Construction Photographs

Electrical manholes were delivered and set into place throughout September.

The first three T-Line Poles were delivered to site on September 6, 2011.

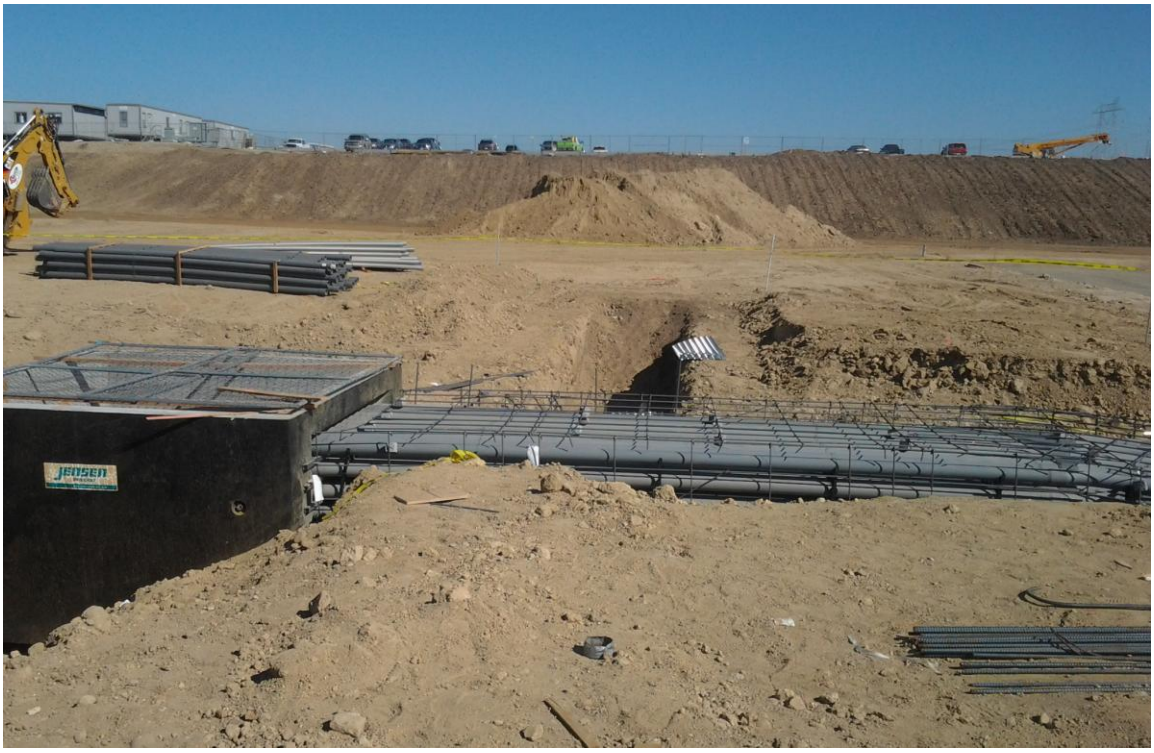
The vertical turbine pumps for the waterline pump station were installed on September 7.

The Oily Water Sump was delivered and placed on September 8, 2011.

Insulated HDPE Chiller Water piping fabrication in lay down yard

Conduit duct bank between manholes 5 and 4.

The waterline contractor patched the paving on Bruns Road that had been removed to install the pipeline.




The duct bank trench at manhole 5, the rebar cage is required because this section is under a future access road.

Formwork, rebar cage and anchor bolts in place before the first Transmission Pole foundation pour.

T-line pole foundation with formwork still in place.  The foundation is over 20 feet deep.

Waterline piping to connect to pump station and surge tank installed.

On September 22, LG began installing the raw water supply piping into the site.

The rebar cage for the ST-1 Transmission Line footing being lifted into place.

Rebar for containment walls is installed prior to the Generator Step-Up (GSU) transformer foundation pour.

On September 28, 2011 concrete was placed in electrical duct banks at manholes 5, 6, and 7.

On September 28, 2011, the pump in the foreground is placing concrete in CTG 600 foundation. That same day GSU 600 and 700 foundations were also poured. The pump in the background was placing electrical duct bank concrete.

Placing concrete in GSU 600 Foundation.

Pump station piping connected and backfilled.  Insulation delivered for building.

Electrical conduit brought to the center of the Power Control Module (PCM) foundation. It was secured with concrete before the rebar work began.

Status of Construction at center of plant site on September 30, 2011.

Status of construction at south end of plant on September 30, 2011

Status of construction at north end of plant on September 30, 2011.

# Exhibit 6
# Master Submittal Schedule and Transmittals for STRUC, MECH, TSE, and ELEC

# Master Submittal Schedule

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **GENERAL** | | | | | | |
| | | Index | CBO-001 | | Drawing and Specification Index (this document) | | approval | Y | GEN-2a, 2b, TSE-1 | Gen 2-1.0 approved 7/1/11 | |
| | | Resumes | G-P2001 | | Engineers of Record Resumes | | issued | Y | GEN-4a, 5a | Approved | |
| | | | M_L3_Sched_110302 | | Project Schedule for Mariposa Energy Project (prelim L# baseline) | | issued | Y | GEN | Approved | |
| | | | | | Supplier QA/QC plans for approved fabricator status | varies | Information | Y | BV sect 9 | | |
| | GA | Drawing | | | **LAYOUTS** | | | | | | |
| | GA | Drawing | | | **Drawings** | | | | | | |
| | GA | Drawing | G-PK001 | 1 | General Arrangement Drawing Index | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PP001 | 1 | General Arrangement Site Plan | 4/14/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PE001 | 1 | General Arrangement Equipment Location Plan | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PE601 | 1 | General Arrangement Unit 600 Power Block Area Plan | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PE701 | 1 | General Arrangement Unit 700 Power Block Area Plan | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PE801 | 1 | General Arrangement Unit 800 Power Block Area Plan | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PE901 | 1 | General Arrangement Unit 900 Power Block Area Plan | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-PE002 | 1 | General Arrangement Water Treatment Area Plan | 5/31/11 | issued | Y | reference | R1 pending 9/29; issued for Reference GEN- | CBO-001/A3,4 |
| | GA | Drawing | G-SS001 | 0 | Gen. Arrangement Sections A-A & E-E Unit 600 (Looking N & S) | 5/31/11 | information | N | - | R1 pending 9/29; issued for Reference GEN- | - |
| | GA | Drawing | G-SS002 | 0 | General Arrangement Section B-B Overall Elevation View (Looking E) | 5/31/11 | information | N | - | R1 pending 9/29; issued for Reference GEN- | - |
| | GA | Drawing | G-SS003 | 0 | General Arrangement Sections C-C & F-F PDC, Chillers & Water Treatment (Looking N) | 5/31/11 | information | N | - | R1 pending 9/29; issued for Reference GEN- | - |
| | GA | Drawing | G-SS004 | 0 | General Arrangement Section D-D Overall Elevation View (Looking West) | 5/31/11 | information | N | - | R1 pending 9/29; issued for Reference GEN- | - |
| | GA | Drawing | G-PC001 | 3 | Construction Laydown & Parking Plan | 5/31/11 | issued | Y | BV request | R3 Approved 9/7/11 | - |
| 9/11 | GA | Drawing | S-D5001 | 0 | Construction Offices Site layout | - | issued | Y | BV request | R0 Approved 9/7/11 | - |
| 9/11 | GA | Drawing | S-D5002 | 0 | Construction Offices Accessibility Details | - | issued | Y | BV request | R0 Approved 9/7/011 | - |
| | GA | Drawing | G-PC002 | A | Transmission Line Routing Plan | - | information | N | - | - | - |
| | CI | | | | **CIVIL** | | | | | | |
| | CI | Specification | | | **Construction Specifications** | | | | | | |
| 6/1 | CI | Specification | 022100 | 0 | Surveying | | Issued | N | - | - | - |
| | CI | Specification | 310000 | 0 | General Provisions–Site Work | 5/10/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Specification | 312000 | 2 | Earthwork | 5/10/11 | Issued | Y | CIVIL-1 | Approved 6/23 | |
| | CI | Specification | 312333 | 1 | Trench Excavation | 5/10/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Specification | 312500 | Void | Erosion and Sediment Control - Deleted (see SWPPP) | | VOID | N | - | - | - |
| | CI | Specification | 321123 | 1 | Aggregate Base | 5/10/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Specification | 321216 | 0 | Asphaltic Concrete Pavement | 5/10/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Specification | 323113 | 0 | Chain Link Fence and Gates | 5/10/11 | Issued | N | - | - | - |
| | CI | Specification | 334000 | 0 | Storm Sewers and Drainage Structures | 5/10/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Drawing | | | **DRAWINGS** | | | | | | |
| | CI | Drawing | C-N0001 | 0 | Project Information and General Notes | 3/9/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Drawing | C-S0001 | 2 | Overall Site Plan | 4/22/11 | Issued | Y | CIVIL-1a | R2 Approved 8/23 | |
| | CI | Drawing | C-G0001 | 2 | Finish Grading & Drainage Plan sht 1 | 4/22/11 | Issued | Y | CIVIL-1a | R2 Approved 8/23 | |
| | CI | Drawing | C-G0002 | 4 | Finish Grading & Drainage Plan sht 2 | 4/22/11 | Issued | Y | CIVIL-1a | R4 Approved 9/23 | |
| | CI | Drawing | C-G0003 | 1 | Finish Grading & Drainage Plan sht 3 | 4/22/11 | Issued | Y | CIVIL-1a | R1 Approved | |
| | CI | Drawing | C-G0004 | 1 | Finish Grading & Drainage Plan sht 4 | 4/22/11 | Issued | Y | CIVIL-1a | R1 Approved | |
| | CI | Drawing | C-G0005 | 2 | Finish Grading & Drainage Plan sht 5 | 4/22/11 | Issued | Y | CIVIL-1a | R2 Approved 8/23 | |
| | CI | Drawing | C-G0006 | 3 | Finish Grading & Drainage Plan sht 6 | 4/22/11 | Issued | Y | CIVIL-1a | R3 Approved 8/23 | |
| | CI | Drawing | C-G0010 | 0 | Finish Grading & Drainage Sections & Details sheet 1 | 4/22/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Drawing | C-G0011 | 1 | Finish Grading & Drainage Sections & Details sheet 2 | 4/22/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Drawing | C-G0012 | 1 | Grading & Drainage Sections & Details | 4/22/11 | Issued | Y | CIVIL-1a | R1 Approved 8/23 | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/11 | CI | Drawing | C-G0013 | 0 | Outlet Structure Details | 4/22/11 | Issued | Y | CIVIL-1a | R0 Approved 8/26/11 | |
| | CI | Drawing | C-HC001 | 1 | Plant Loop Road Horizontal Control | 4/22/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Drawing | C-SF001 | 1 | Surfacing Plan | 4/22/11 | Issued | Y | CIVIL-1a | Approved | |
| | CI | Drawing | C-PR001 | 0 | Road Profiles sht 1 | 4/22/11 | Issued | N | - | Approved | - |
| | CI | Drawing | C-PR002 | 1 | Road Profiles sht 2 | 4/22/11 | Issued | N | - | R1 Approved 8/23 | - |
| | CI | Drawing | C-PR003 | 1 | Storm Sewer Profiles sht 1 | 5/24/11 | approval | Y | CIVIL-1a | R1 Approved 8/23 | |
| | CI | Drawing | C-ST001 | 2 | Overall Storm Drain Plan | 5/24/11 | approval | Y | CIVIL-1a | R2 Approved 8/23 | |
| | CI | Drawing | C-W0020 | 1 | Plant Access road Plan & Profile sheet 1 | 4/22/11 | Issued | Y | Trans-4a | Reference Only | |
| | CI | Drawing | C-W0021 | 3 | Plant Access road Plan & Profile sheet 2 | 4/22/11 | Issued | Y | Trans-4a | R0 Reference Only. Rev 3 Approved 8/22 | |
| 5/31 | CI | Drawing | C-W0022 | A | Kelso Construction Access Encroachment | -- | Issued | Y | - | - | |
| 5/31 | CI | Drawing | C-D0001 | 1 | Site Security Fence and Gate Details | 5/10/11 | Issued | N | - | - | - |
| 5/31 | CI | Drawing | C-D0002 | 1 | Site Substation Fence and Gate Details | 5/10/11 | Issued | N | - | - | - |
| 5/31 | CI | Drawing | C-D0003 | 1 | Site Security Fence Slide Gate Detail | 5/10/11 | Issued | N | - | - | |
| 5/31 | CI | Drawing | C-FN001 | 1 | Site Fencing Plan | 5/10/11 | Issued | N | - | - | |
| | CI | Study/Calc | | | **Calculations** | | - | - | - | - | - |
| 5/11 | CI | Study/Calc | CE-01 | 1 | Hydrology Calculations | 7/26/11 | Issued | Y | CIVIL-1a | R0 Approved 5/10/11; R1 Approved 9/28 | |
| 8/11 | CI | Study/Calc | CE-03 | 0 | Outlet Structure Calculations | 7/26/11 | Issued | Y | CIVIL-1a | Rev 0 Approved 8/26/11 | |
| | ~~CI~~ | ~~Study/Calc~~ | ~~deleted~~ | | ~~Cut & Fill~~ | ~~7/26/11~~ | ~~information~~ | ~~Y~~ | ~~CIVIL-1a~~ | - | - |
| | **ST** | | | | **STRUCTURAL** | | | | | | |
| | ST | Specification | | | **Engineering Specifications** | - | - | - | - | - | CBO-001/A E1 |
| | ST | Specification | 013610 | | Civil, Structural, Architectural, and Site Requirements | 4/7/11 | information | N | - | - | |
| | ST | Specification | 014523 | 1 | Sampling Testing and Inspection of Concrete and Earthwork | 4/7/11 | Issued | Y | Struc1a,b,c | Approved | |
| | ST | Specification | 033000 | 2 | Cast-in-Place Concrete | 4/7/11 | Issued | Y | Struc-1a,b,c | Approved | |
| | ST | Specification | 036000 | 0 | Structural & Equipment Grouting | 4/7/11 | Issued | Y | Struc-1a,b,c | Approved | |
| | ST | Specification | 051000 | 0 | Erection of Structural & Miscellaneous Steel | 4/11/11 | Issued | Y | Struc-1a,b,c | Comments 6/2 | |
| | ST | Specification | 051200 | | Supply & Fabrication of Structural & Misc Steel | 4/11/11 | information | Y | Struc-1a,b,c | Comments 6/2 | |
| | ST | Specification | 099001 | 0 | Protective Coatings | 4/11/11 | Issued | Y | Struc-1a,b,c | Reference only | |
| | ST | Specification | 133419 | 0 | Pre-Engineered Building (colloboration w/ Architectural) | 2/23/11 | Issued | Y | Struc-1a,b,c | Comments | |
| | ST | Drawing | | | **General Drawings** | - | - | - | - | - | - |
| | ST | Drawing | S-S0001 | 0 | Structural Cover Sheet | 4/19/11 | Issued | Y | Struc-1a,b,c | R0 Approved Struc1-1.0 4/18 | |
| | ST | Drawing | S-S0002 | 2 | Concrete Notes and Standard Details Sheet 1 | 4/19/11 | Issued | Y | Struc-1a,b,c | R0 Approved Struc 1-1.0; R1 Approved 9/28; R2 Pending 9/21 | |
| | ST | Drawing | S-S0003 | 1 | Concrete Standard Details Sheet 2 | 4/19/11 | Issued | Y | Struc-1a,b,c | R0 Approved Struc 1-1.0 4/18; R1 Approved 9/28 | |
| | ST | Drawing | S-S0004 | 0 | Concrete Standard Details Sheet 3 | 4/19/11 | Issued | Y | Struc-1a,b,c | Approved | |
| | ST | Drawing | S-S0005 | 0 | Structural Steel Notes and Standard Details Sheet 1 | 4/19/11 | Issued | Y | Struc-1a,b,c | Approved 7/19 | F |
| | ST | Drawing | S-S0006 | 0 | Structural Steel Typical Details Sheet 2 | 4/19/11 | Issued | Y | Struc-1a,b,c | Approved 7/19 | |
| | ST | Drawing | S-S0007 | 1 | Structural Steel Typical Details Sheet 3 | 4/19/11 | Issued | Y | Struc-1a,b,c | Approved 7/19 | |
| | ST | Drawing | S-S0008 | 2 | Structural Engineer's Statement of Special Inspection Program | 4/19/11 | Issued | Y | Struc-1a,b,c | Approved | |
| | ST | Drawing | | | **Concrete Drawings** | - | - | - | - | - | - |
| | ST | Drawing | S-C1001 | 1 | Foundation Location Plan | 6/14/11 | Issued | Y | Struc-1a,b,c | R1 approved 8/4/11 | |
| 5/31 | ~~ST~~ | ~~Drawing~~ | ~~S-C1002~~ | | ~~Warehouse Building Foundation Plan (may incl w/ bldg sub)~~ | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | - | |
| 5/31 | ~~ST~~ | ~~Drawing~~ | ~~S-C1003~~ | | ~~Warehouse Building Foundation Sections (may incl w/ bldg sub)~~ | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | - | |
| 5/31 | ~~ST~~ | ~~Drawing~~ | ~~S-C1004~~ | | ~~Control/Admin Building Foundation Plan (may incl w/ bldg sub)~~ | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | - | |
| 5/31 | ~~ST~~ | ~~Drawing~~ | ~~S-C1005~~ | | ~~Control/Admin Building Foundation Sections (may incl w/ bldg sub)~~ | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | - | |
| 5/31 | ~~ST~~ | ~~Drawing~~ | ~~S-C1006~~ | | ~~Air Compressor Shed Foundation Plan & Sections~~ | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | - | |
| | ST | Drawing | S-C1007 | 1 | CTG Foundation Plan - Sections and Details | 6/17/11 | Issued | Y | Struc-1a,b,c | Approved 7/7 | |
| | ST | Drawing | S-C1008 | 1 | CTG Foundation Plans - Grouting Plan | 6/17/11 | Issued | Y | Struc-1a,b,c | Approved 7/7 | |
| | ST | Drawing | S-C1009 | 2 | CTG Auxiliary Skid, FP Skid. & Sprint Skid Fdn Plans & Sections | 6/17/11 | Issued | Y | Struc-1a,b,c | R1 Approved 7/7: R2 Approved 9/28 | |
| | ST | Drawing | S-C1010 | 0 | CTG Anchor Bolt & Grout Pocket Details | 6/17/11 | Issued | Y | Struc-1a,b,c | Approved | |
| | ST | Drawing | S-C1011 | 2 | CTG Transformer Fdn. Plans, Sections & Details | 6/17/11 | Issued | Y | STRUC-1 | Approved 8/17/11 | |
| | ST | Drawing | S-C1012 | 2 | CTG Power Control Module Fdn. Plan, Sections & Details | 6/17/11 | Issued | Y | Struc-1a,b,c | R2 Approved 9/21 | |
| | ST | Drawing | S-C1013 | 2 | CTG LO Cooler Foundation Plan & Sections | 6/17/11 | information | Y | Struc-1a,b,c | R2 Approval 9/19/11 | |
| | ST | Drawing | S-C1014 | 2 | ECM Foundation Plan and Sections | 6/22/11 | Issued | Y | STRUC-1 | Conditional approval 6/22. Rev 2 Approved 9/26 | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ST | Drawing | S-C1015 | 2 | Ammonia Skid/CEMS Shelter Foundation Plans & Sections | 5/23/11 | information | Y | Struc-1a,b,c, Haz-4 | Rev 0 comments, Rev 1 comments 9/21; R2 conditional approval 9/28 | |
| | ST | Drawing | S-C1016 | 2 | BOP Power Distribution Center/Aux Transformer Foundations | 9/21/11 | **Issued** | Y | Struc-1a,b,c | **Approved 8/17/11** | |
| | ST | Drawing | S-C1017 | 0 | Fuel Gas Compressor Foundations | 7/27/11 | **Issued** | Y | Struc-1a,b,c | **R0 Approval 8/31/11** | |
| | ST | Drawing | S-C1018 | | Fuel Gas Compressor Cooler Foundations | 7/27/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | S-C1019 | | Gas Metering Station Foundations | 10/7/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | S-C1020 | 1 | Chiller Package Foundations, Plan, Sections & Details | 8/8/11 | **Issued** | Y | Struc-1a,b,c | R0 Conditional Approval 8/22; R1 Conditionally approved 9/22 | |
| | ST | Drawing | S-C1021 | 0 | Aqueous Ammonia System Foundations | 5/20/11 | information | Y | Struc-1a,b,c | Conditional approval 8/30/11 | |
| | ST | Drawing | S-C1022 | 1 | GSU Transformer Foundation Plan & Details | 7/7/11 | **Issued** | Y | STRUC-1 | **R1 Approved 9/6/11** | |
| | ST | Drawing | S-C1023 | 1 | GSU Transformer Foundation Sections & Details | 7/7/11 | **Issued** | Y | STRUC-1 | **R1 Approved 9/6/11** | |
| | ST | Drawing | S-C1024 | 0 | Fuel Gas Filter/Drains Tank Foundations Plan & Details | 6/21/11 | **Issued** | Y | Struc-1a,b,c | **R0 Approval 8/31/11** | |
| | ST | Drawing | S-C1025 | 1 | Oil/Water Separator Foundation Plans & Sections | 5/26/11 | Issued | Y | Struc-1a,b,c | R0 Approval 8/25/11; Rev 1 pending 9/21 | |
| | ST | Drawing | S-C1026 | | Service/Waste/Demin Water Pump Foundation Plans & Sections | 7/12/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | S-C1027 | 1 | Fire Protection Water Pump Foundation Plans & Sections | 5/19/11 | **Issued** | Y | Struc-1a,b,c | **R1 Approved 8/23/11** | |
| | ST | Drawing | S-C1028 | 0 | Raw Water Tank Foundation Plans & Sections | 8/2/11 | **Issued** | Y | Struc-1a,b,c | Conditional approval 8/30/11 | |
| | ST | Drawing | S-C1029 | | Demin Water Tank Foundation Plans & Sections | 8/9/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | S-C1030 | | Miscellaneous Pipe Support Foundations - Sheet 1 | 6/16/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | S-C1031 | | Miscellaneous Pipe Support Foundations - Sheet 2 | 6/16/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | | | **Steel Drawings** | | | | **CBO-001/A E1** | **--** | **CBO-001/A E1** |
| | ST | Drawing | S-S1001 | 2 | CTG Access Platforms Plans Sections & Details | 11/15/11 | Issued | Y | Struc-1a,b,c | R2 Approved 9/20/11 | |
| 8/11 | ~~ST~~ | ~~Drawing~~ | ~~S-S1002~~ | deleted | ~~Chiller Package Access Platforms Plans Sections & Details~~ | ~~11/15/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | -- | |
| | ST | Drawing | S-S1003 | 0 | GSU Transformer Access Platforms Plans Sections & Details | 11/15/11 | Issued | Y | Struc-1a,b,c | **Rev 0 Approved 9/29/11** | |
| | ST | Drawing | S-S1004 | 0 | Aux Transformer Access Platforms Plans Sections & Details | 11/15/11 | Issued | Y | Struc-1a,b,c | **Rev 0 Approved 9/29/11** | |
| | ST | Drawing | S-S1005 | 0 | PDC Access Platforms Plans Sections & Details | 11/15/11 | Issued | Y | Struc-1a,b,c | **Rev 0 Approved 9/29/11** | |
| | ST | Drawing | S-S1006 | | Misc Tee Supports- Non-Seg. Bus Duct -Plans, Sections | 11/15/11 | information | Y | Struc-1a,b,c | | |
| | ST | Drawing | S-S1007 | | Miscellaneous Tee Supports | 11/15/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | | | **Calculations** | | | | | -- | |
| 5/11 | ~~ST~~ | ~~Calc/Study~~ | ~~SC-01 pending~~ | | ~~Warehouse Foundation ( if not by sub);~~ **by Subcontractor** | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | -- | |
| 5/11 | ~~ST~~ | ~~Calc/Study~~ | ~~SC-02 pending~~ | | ~~Admin Building Foundation (if not by sub);~~ **by Subcontractor** | ~~8/5/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | -- | |
| | ST | Calc/Study | SC-03 | | Air Compressor Shed Foundation | 8/5/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | SC-04 | 2 | CTG Foundation & Misc. Skids | 6/17/11 | Issued | Y | Struc-1a,b,c | **R2 Approved 9/28** | |
| | ST | Calc/Study | SC-05 | 1 | ECM Foundation & Misc. Skids | 6/22/11 | Issued | Y | STRUC-1 | **Conditional approval 6/22; R1 Approved 9/26** | |
| | ST | Calc/Study | SC-06 | 3 | Fire Water Pump Foundations | 9/6/11 | information | Y | Struc-1a,b,c | **R3 Approved 8/23/11** | |
| | ST | Calc/Study | SC-07 | 0 | Ammonia Skid / CEMS Shelter Foundations | 5/23/11 | information | Y | Struc-1a,b,c | R1 conditional approval 9/28, R2 pending 9/27 | |
| | ST | Calc/Study | SC-08 | 2 | CTG LO Cooler Foundation | 6/17/11 | Issued | Y | Struc-1a,b,c | **R2 Approval 9/19/11** | |
| | ST | Calc/Study | SC-09 | 0 | Fuel Gas Compressor Foundations | 7/27/11 | Issued | Y | Struc-1a,b,c | **R0 Approval 8/31/11** | |
| | ST | Calc/Study | SC-10 | | Fuel Gas Compressor Cooler & Misc. Foundations | 7/27/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | SC-11 | 1 | Chiller Package Foundations | 8/8/11 | issued | Y | Struc-1a,b,c | R0 Conditional Approval 8/22; R1 Conditionally approved 9/22 | |
| | ST | Calc/Study | SC-12 | | Water Wash Drains Sump & Skid | 6/17/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | SC-13 | 1 | Misc Transformer Foundations | 9/21/11 | Issued | Y | Struc-1a,b,c | **Approved 8/17/11** | |
| | ST | Calc/Study | SC-14 | 1 | Main GSU Transformer Foundation | 7/7/11 | information | Y | Struc-1a,b,c | **R1 Approved 9/6/11** | |
| | ST | Calc/Study | SC-15 | | PDC Foundation | 6/17/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | SC-16 | 0 | Tank Foundations | 8/2/11 | information | Y | Struc-1a,b,c | Conditional approval 8/30/11 | |
| | ST | Calc/Study | SC-17 | | Generator Circuit Breaker Foundation | 9/21/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | SC-18 | 0 | Aqueous Ammonia System Foundations | 5/20/11 | information | Y | Struc-1a,b,c | Conditional approval 8/30/11 | |
| | ST | Calc/Study | SC-19 | 0 | Oil/Water Separator Foundation Plans & Sections | 5/26/11 | Issued | Y | Struc-1a,b,c | **R0 Approval 8/25/11** | |
| | ST | Calc/Study | SC-20 | | Miscellaneous Pipe Support Foundations | 6/16/11 | information | Y | Struc-1a,b,c | | |
| 5/11 | ST | Calc/Study | SC-21 | 2 | CTG PCM (power control module) | 6/17/11 | information | Y | Struc-1a,b,c | **R2 Approved 9/21** | |
| | ST | Calc/Study | SS-01 | 2 | CTG Access Platforms (or by sub) | 11/15/11 | Issued | Y | Struc-1a,b,c | R2 Approved 9/20/11 | |
| 9/11 | ~~ST~~ | ~~Calc/Study~~ | ~~SS-02~~ | | ~~Chiller Package Access Platforms - by supplier~~ | ~~11/15/11~~ | ~~information~~ | ~~Y~~ | ~~Struc-1a,b,c~~ | - | |
| | ST | Calc/Study | SS-03 | | PDC/Transf. Misc Platforms | 11/15/11 | information | Y | Struc-1a,b,c | | |
| | ST | Calc/Study | SS-04 | | General Tee Supports for Pipe, Cable Tray and Bus | 11/15/11 | information | Y | Struc-1a,b,c | | |
| | **ME** | | | | **MECHANICAL / PROCESS** | | | | | | |
| | ME | Specification | | | **Construction/Subcontract Specifications** | - | - | - | - | - | - |
| 9/11 | ~~ME~~ | ~~Specification~~ | deleted | | ~~Centerline Erection Spec~~ | ~~7/18/11~~ | ~~Information~~ | ~~N~~ | - | **N/A** | - |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ME | Specification | 017320 | 0 | BOP Mechanical Installation | 7/18/11 | **Issued** | N | - | **N/A** | - |
| | ME | Specification | 230000 | 1 | Building HVAC | 7/18/11 | **Issued** | Y | Mech3 | **Approved** | CBO-001/A M2 |
| | ME | Specification | 220000 | 2 | Building Plumbing | 7/18/11 | **Issued** | Y | Mech-1 | **Approved** | CBO-001/A M3 |
| 5/11 | ME | Specification | 211000 | 0 | Fire Protection Subcontract (above ground & integration) | 5/19/11 | Information | Y | Fire-1-3.0 | **Approved** | |
| 9/11 | ~~ME~~ | ~~Specification~~ | deleted | | ~~Construction Subcontract Package~~ | ~~7/18/11~~ | ~~Information~~ | ~~N~~ | ~~N~~ | **N/A** | - |
| | ME | Specification | | | Insulation Subcontract | | Information | N | N | **N/A** | - |
| | ME | Specification | | | Chemical Cleaning Subcontract | 6/15/11 | Information | N | N | **N/A** | - |
| | ME | Specification | | | Performance Testing (subcontract) | 6/15/11 | Information | N | N | **N/A** | - |
| | ME | Specification | | | **Equipment Specifications** | - | - | - | - | - | - |
| | ME | Specification | 013600 | 1 | General Design Requirements | 2/14/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 013300 | 0 | Submittals Requirements | 2/14/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 016500 | 1 | Product Shipment, Delivery, Receiving & Storage | 2/14/11 | **Issued** | N | N | **N/A** | - |
| 9/11 | ~~ME~~ | ~~Specification~~ | deleted | | ~~Miscellaneous Pumps~~ | ~~3/30/11~~ | ~~Approval~~ | ~~N~~ | ~~N~~ | **N/A** | - |
| | ME | Specification | 213000 | 1 | Fire Pump Skid | 2/4/11 | **Issued** | | | | |
| | ME | Specification | 221500 | 3 | Air Compressor Package | 3/22/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 236400 | 3 | Air Coolded Chiller | 1/14/11 | **Issued** | N | N | **N/A** | |
| | ME | Specification | 421213 | 1 | Fuel Gas Heater | 2/22/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 432113.20 | 0 | Horizontal Pumps | 3/30/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 432143.30 | 1 | Sump Pumps | 4/20/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 431213 | 1 | Fuel Gas Compressors | 1/10/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 434001 | 0 | Polyethyelene Storage Tanks | 3/31/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 434116.13 | 1 | Underground Tanks - FRP | 3/31/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 441100 | 3 | Ammonia Storage & Transfer | 3/29/11 | **Issued** | Rev 2 Approval / Ref | Struc-4a / Haz-4 | **R3 Approved 8/9** | rev 0 approved |
| | ME | Specification | 433269 DS | A | Chemical Feed System | 3/31/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 444253 | 0 | Oil Water Separator | 3/22/11 | **Issued** | N | N | **N/A** | - |
| 9/11 | ~~ME~~ | ~~Specification~~ | deleted | | ~~Misc. Gas Treatment~~ | ~~2/22/11~~ | ~~Approval~~ | ~~N~~ | ~~N~~ | **N/A** | - |
| | ME | Specification | 441110 | 1 | Emissions Control Module (ECM: stack, SCR, CO, attemp fans) | 1/13/11 | **Issued** | N | N | **N/A** | - |
| | ME | Specification | 460713 | 2 | Potable Water System | - | **Issued** | Y | Mech3 | **Approved** | CBO-001/A M3 |
| | ME | Specification | 466100 | 1 | Filtered Water System | | **Issued** | N | N | **N/A** | - |
| 9/11 | ~~ME~~ | ~~Specification~~ | deleted | | ~~Pressure Vessels~~ | - | ~~Approval~~ | ~~N~~ | ~~N~~ | **N/A** | - |
| 5/11 | ~~ME~~ | ~~Specification~~ | ~~n/a~~ | ~~n/a~~ | ~~Sumps;~~ Deleted - See M-T0004, M-T0005 drawings | ~~7/13/11~~ | ~~Approval~~ | ~~N~~ | ~~N~~ | **N/A** | - |
| | ME | Drawing | | | **P&ID's** | - | - | - | - | - | - |
| | ME | Drawing | M-SYM01 | 2 | Symbols & Nomenclature sht 1 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R1 Approved 8/29/11- Reference Only. R2 Pending 9/30 | |
| | ME | Drawing | M-SYM02 | 1 | Symbols & Nomenclature sht 2 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-AMM01 | 3 | Aqueous Ammonia Storage and Transfer | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CHW01 | 3 | Chilled Water System | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CM01 | 3 | Compressed Air System Service Air sht 1 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CM02 | 1 | Compressed Air System Instrument Air sht 2 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG61 | 3 | CTG and Auxilliaries, Unit 600 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG71 | 3 | CTG and Auxilliaries, Unit 700 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG81 | 3 | CTG and Auxilliaries, Unit 800 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG91 | 3 | CTG and Auxilliaries, Unit 900 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG62 | 3 | CTG Inlet Plenum, Unit 600 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG72 | 3 | CTG Inlet Plenum, Unit 700 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG82 | 3 | CTG Inlet Plenum, Unit 800 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ME | Drawing | M-CTG92 | 3 | CTG Inlet Plenum, Unit 900 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-CTG63 | 2 | CTG Vents and Drains, Unit 600 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG73 | 2 | CTG Vents and Drains, Unit 700 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG83 | 2 | CTG Vents and Drains, Unit 800 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG93 | 2 | CTG Vents and Drains, Unit 900 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG64 | 2 | CTG/Exhaust/CEMS System, Unit 600 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG74 | 2 | CTG/Exhaust/CEMS System, Unit 700 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG84 | 2 | CTG/Exhaust/CEMS System, Unit 800 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-CTG94 | 2 | CTG/Exhaust/CEMS System, Unit 900 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-DOW01 | 3 | Oily Water Drain System Sht 1 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-DOW02 | 2 | Oily Water Drain System Sht 2 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-DOW03 | 3 | Oily Water Drain System Sht 3 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-DW01 | 2 | Demineralized Water System | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-FG01 | 3 | Fuel Gas System Sht 1 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-FG02 | 3 | Fuel Gas System sht 2 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| 7/11 | ME | Drawing | M-FG03 | 3 | Fuel Gas System sht 3 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| 7/11 | ME | Drawing | M-FG04 | 3 | Fuel Gas System sht 4 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-FP01 | 2 | Fire Protection | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-PW01 | 3 | Potable Water System sht 1 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-PW02 | 2 | Potable Water System sht 2 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-SW01 | 3 | Service Water System | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| | ME | Drawing | M-SWW01 | 1 | Sanitary Waste Water System | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only | |
| | ME | Drawing | M-WW01 | 3 | Waste Water System sht 1 | 6/29/11 | **Issued** | Y | orig list; MEC-1 | R2 Approved 8/29/11- Reference Only. R3 pending 9/30 | |
| 7/11 | ~~ME~~ | ~~Drawing~~ | ~~M-WW01~~ | ~~0~~ | ~~Waste Water System sht 2~~ | - | - | - | - | - | |
| | ME | Other | | | **Other Mech Documents** | - | - | - | - | - | - |
| | ME | Criteria | FP1-1 | 1 | Fire Risk Evaluation | 4/14/11 | **Issued** | Y | Fire-1 | **Approved** | |
| | ME | List | M-EL-01 | 2 | Equipment List | 5/19/11 | **Issued** | N | - | - | - |
| | ME | Calc/Study | ME-MEP-008 | A | Compressed Air Requirements | | **Issued** | N | - | - | - |
| | ME | Criteria | ME-MEP-009 | A | Fire Protection Fire Water Pump Sizing | 4/14/11 | **Issued** | Y | Fire-1 | **Approved** | |
| 9/11 | ME | Narrative | SDD's | mult | System Design Description (narratives; 9 docs) | - | **Issued** | N | - | - | |
| | ME | Drawing | M-T0001 | 1 | Demineralized Water Storage Tank | 2/21/11 | **Issued** | N | - | - | - |
| | ME | Drawing | M-T0002 | 1 | Raw Water / Fire Water Storage Tank | 2/21/11 | **Issued** | N | - | - | - |
| | ME | Drawing | M-T0003 | 1 | Waste Water Storage Tank | 2/21/11 | **Issued** | N | - | - | - |
| 5/11 | ME | Drawing | M-T0004 | 0 | Oily Water Sump Detail | - | **Issued** | N | - | - | - |
| 5/11 | ME | Drawing | M-T0005 | 0 | Waste Water Sump Detail | - | **Issued** | N | - | - | - |
| | ME | Drawing | M-WB01 | 1 | Water Balance- Peak | 3/31/11 | **Issued** | N | - | - | - |
| | ME | Drawing | M-WB02 | 1 | Water Balance- Design | 3/31/11 | **Issued** | N | - | - | - |
| | **AR** | | | | **ARCHITECTURAL** | | | | | | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | AR | Specification | | | **Construction/Subcontract Specs** | - | - | - | - | - | - |
| 6/11 | AR | Specification | 62000 | 1 | Finish Carpentry | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 7/11 | ~~AR~~ | ~~Specification~~ | ~~72100~~ | ~~1~~ | ~~Building Insulation~~ | ~~2/23/11~~ | **Deleted** | | | - | |
| 6/11 | AR | Specification | 79000 | 1 | Joint Sealants | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 81100 | 1 | Steel Doors and Frames | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 7/11 | ~~AR~~ | ~~Specification~~ | ~~81400~~ | ~~1~~ | ~~Wood Doors~~ | ~~2/23/11~~ | **Deleted** | | | - | 5/17 lettr on index |
| 6/11 | AR | Specification | 87000 | 1 | Door Hardware | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 88000 | 1 | Glazing | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 92116 | 1 | Gypsum Board | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 92216 | 1 | Non-Load Bearing Steel Framing | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 7/11 | ~~AR~~ | ~~Specification~~ | ~~93013~~ | ~~1~~ | ~~Ceramic Tile~~ | ~~2/23/11~~ | **Deleted** | | | - | 5/17 lettr on index |
| 6/11 | AR | Specification | 95123 | 1 | Acoustical Tile Ceillings | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 96500 | 1 | Resilient Tile Flooring and Base | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 99010 | 1 | Painting | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 101400 | 1 | Signage | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| 6/11 | AR | Specification | 102800 | 1 | Toilet and Bath Accessories | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| | AR | Specification | 133400 | 2 | Pre-Engineered Bldgs Basis of Design | 2/23/11 | **Issued** | Y | Struc-1a,b,c | **Approved** | CBO-001/A S2 |
| | AR | Specification | 133419 | 1 | Pre-Engineered Bldgs (collaborate w/Struct) | 2/23/11 | **Issued** | Y | Struc-1a,b,c | **Approved** | CBO-001/A S2 |
| | AR | Drawing | | | **Drawings** | - | - | - | - | - | - |
| | AR | Drawing | | | **General Drawings / Standards - All Buildings** | 2/23/11 | -- | -- | - | - | - |
| | AR | Drawing | A-S4001 | 1 | Finish Schedule & Legend | 2/23/11 | **Issued** | Y; Ref Only | Reference per CBO comment | Reference Only 8/15/11 ; GEN-2-1.1 | 5/17 lettr on index |
| | AR | Drawing | A-S4002 | 1 | Door Schedules | 2/23/11 | **Issued** | N-see vendor | - | - | - |
| | AR | Drawing | | | **Control Building** | 2/23/11 | -- | -- | - | - | - |
| | AR | Drawing | A-P1001 | 1 | Overall Floor Plan | 2/23/11 | **Issued** | N-see vendor | - | - | - |
| | AR | Drawing | A-E1002 | 1 | Exterior Elevations | 2/23/11 | **Issued** | N-see vendor | - | - | - |
| | AR | Drawing | | | **Warehouse** | 2/23/11 | -- | -- | - | - | - |
| | AR | Drawing | A-P2001 | 2 | Overall Floor Plan | 2/23/11 | **Issued** | N-see vendor | - | - | - |
| | AR | Drawing | A-E2002 | 2 | Exterior Elevations | 2/23/11 | **Issued** | N-see vendor | - | - | - |
| | AR | Drawing | | | **Canopies (one required)** | 2/23/11 | -- | -- | - | - | - |
| | AR | Drawing | A-P3001 | 1 | Air Compressor Shed Floor Plan, Elevation | 2/23/11 | **Issued** | N-see vendor | - | - | - |
| | **IC** | | | | **INSTRUMENTS & CONTROLS** | | | | | | |
| | IC | Specification | | | **Construction Specifications** | - | - | - | - | - | - |
| | IC | Specification | 409010 | 0 | BPO Instrument Installation and Testing | - | **Issued** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409040 | | I&C for Mechanical Packages | **2/14/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | N | | **Instrument Specifications & Data Sheets** | - | - | - | - | - | - |
| | IC | Specification | 409113.23.92 | | CEMS - Continuos Emissions Mon. System | **2/9/11** | **Issued** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409423.40 | | Control System Consoles | | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409423 | 1 | Distributed Control System (DCS) | **3/25/11** | **Issued** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409119-29-10 | | Pressure Indicators | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409119-29-40 | | Pressure Transmitters | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409213-29-22 | | Pressure Regulators | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409213-23-10 | | Pressure Relief Valves | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409119-36-10 | | Temperature Gage | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409119-36-72 | | Thermocouple | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409119-36-71 | | RTD | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |
| | IC | Specification | 409119-36-50 | | Thermowell | **9/5/11** | **Approval** | **N** | **-** | **N/A** | - |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | IC | Specification | 409119-36-40 | | Temperature Transmitter, Element, & Thermowell | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-36-10 | | Level Gage / Indicator | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-36-42 | | Level Transmitter - DP | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-36-36 | | Level Switch - Float | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-33-74 | | Orifice Plate | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-33-89 | | Flow Transmitter - DP | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-33-83 | | MAG Flow Meter - Vortex | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-33-87 | | Flow Meter - Variable Area | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409123-33-88 | | Fuel Gas Flow Revenue Check Meter (ultrasonic) | 9/5/11 | Approval | N | - | N/A | - |
| | IC | Specification | N | | **Control Valves** | - | - | - | - | - | - |
| | IC | Specification | 409213-13-30 | | Control Valves - Globe Modulating | 4/14/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409213-13-20-10 | | Control Valves - Ball Modulating | 4/14/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409213-13-10-10 | | Control Valves - Butterfly Modulating | 4/14/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409213-13-10-20 | | Control Valves - Butterfly On/Off | 4/14/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409213-26 | | Solenoid Valves | 4/14/11 | Approval | N | - | N/A | - |
| | IC | Specification | 409213-13-20-20 | | ON/OFF Valve - Ball | 4/14/11 | Approval | N | - | N/A | - |
| | IC | Specification | | | **Analyzers** | - | - | - | - | - | - |
| | IC | Specification | 409116-19-92 | 0 | Analyzer - Conductivity | 4/21/11 | Issued | N | - | N/A | - |
| | IC | Specification | 409113-29-91 | 0 | Analyzer - PH | 4/21/11 | Issued | N | - | N/A | - |
| 6/11 | IC | Specification | 409113-29-94 | 0 | Analyzer - Silica | - | Issued | N | - | N/A | - |
| 6/11 | IC | Specification | 409113-29-95 | 0 | Analyzer - Chlorine | - | Issued | N | - | N/A | - |
| | IC | Specification | 409123-56 | 0 | Weather Station | 4/21/11 | Issued | N | - | N/A | - |
| | IC | Specification | 409113-26 | 0 | Analyzer - Gas Chromatograph | 4/21/11 | Issued | N | - | N/A | - |
| | IC | Drawing | | | **DRAWINGS** | - | - | - | - | - | - |
| | IC | Drawing | | | **Loop, Schematic & Wiring Diagrams** | - | - | - | - | - | - |
| | IC | Drawing | I-W1000 - I-W1200 | | Instrument Loop Diagrams (set of 200) | 10/3/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-S0300 - I-S0307 | | Schematics (set of 8) | #N/A | Information | N | - | N/A | - |
| | IC | Drawing | set of 72 | | Interconnect & Wiring Diagrams (set of 72) | #N/A | Information | N | - | N/A | - |
| | IC | Drawing | dwg ### | | Equipment Interlock Diagrams (set of 4) | #N/A | Information | N | - | N/A | - |
| | IC | Drawing | | | **Misc. Drawings** | - | - | - | - | - | - |
| 7/11 | IC | Drawing | I-N0300 | B | Control System Network Architecture sht 1 of 4 | #N/A | Issued | N | - | N/A | |
| 7/11 | IC | Drawing | I-N0301 | B | Control System Network Architecture sht 2 of 4 | #N/A | Issued | N | - | N/A | |
| 7/11 | IC | Drawing | I-N0302 | B | Control System Network Architecture sht 3 of 4 | #N/A | Issued | N | - | N/A | |
| 7/11 | IC | Drawing | I-N0303 | | Control System Network Architecture sht 4 of 4 | #N/A | Approval | N | - | N/A | |
| 7/11 | IC | Drawing | I-P3500 | | Control Room Layout | #N/A | Approval | N | - | N/A | |
| | IC | Drawing | I-P3000 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3001 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3002 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3003 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3004 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3005 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3006 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3007 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3008 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3009 | | Instrument Location Drawing | 9/8/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-P3010 | | Instrument Location Drawing | 9/8/11 | Information | N | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3011~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| | IC | Drawing | I-P3012 | | Instrument Location Drawing | 9/8/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-P3013 | | Instrument Location Drawing | 9/8/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-P3014 | | Instrument Location Drawing | 9/8/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-P3015 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| | IC | Drawing | I-P3016 | A | Instrument Location Drawing | 9/8/11 | Issued | N | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3017~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3018~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3019~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3020~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3021~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3022~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3023~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3024~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |
| 8/11 | ~~IC~~ | ~~Drawing~~ | ~~I-P3025~~ | deleted | ~~Instrument Location Drawing~~ | ~~9/8/11~~ | ~~Information~~ | ~~N~~ | - | N/A | - |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | IC | Drawing | I-DC001 | | Instrument Installation Detail Drawings Index | 9/8/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DA001 | | Conductivity Or Ph (In-Line Probe) | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DF001 | | Flow Meter With Remote Indication | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DF002 | | Pitot Tube Flow Element And Integral Transmitter | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DF003 | | Flow (Dp) Instrument Low Pressure/Liquid Service Instrument Mounted Below Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DF004 | | Flow (Dp) Instrument, Low Press/Gas-Air Service, Inst Mounted Above Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG001 | | Local Indicator Electronic | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG002 | | Conduit Connection | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG003 | | Instrument Tubing Detail For Process Pipe Thrust Due To Thermal Expansion | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG004 | | Sample Tubing Support & Expansion Loop Criteria | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG005 | | Instrument Pipe Support 2 Inch Pipe Floor Or Grade Mounting | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG006 | | Instrument Pipe Support 2 Inch Pipe Wall Or Column Mounting | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DG007 | | Instrument Pipe Suppport Mounting Plate Assembly And Enclosure | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL001 | | Level Instrument, Rf/Admittance Type, Vessel Mounted | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL002 | | Level (Dp) Instrument, Flange Mounted On Vessel, Atmospheric Vessel | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL003 | | Level (Dp) Instrument Liquid Service Low Press/Low Temp Inst Mounted Below Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL004 | | Level (Dp) Instrument, Low Press/ Liquid Service, Inst Mounted Below Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL005 | | Level Switch Instrument, Drip Leg Installation, Low Pressure | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL006 | | Level Gauge Or Indicator With Level Transmitter, Low Press/Liquid Service | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL007 | | Level (Dp) Instrument Remote Diaphragm Seals | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL008 | | Level Guided Wave Radar Transmitter Low Pressure/Liquid Service | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DL009 | | Level Transmitter With Connection Head Vessel Or Sump Mounted | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP001 | | Pressure Indicator Line Mounted | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP002 | | Pressure Indicator With Diaphragm Seal, Line Mounted | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP003 | | Pressure Instrument Remote Diaphragm Seal | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP004 | | Diff Pressure Indicator Gas/Air Low Press/Low Temp Instrument Mounted Above Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP005 | | Diff Pressure Indicator Liquid Low Press/Low Temp Instrument Mounted Below Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP006 | | Pressure Instrument, Low Press/Liquid Service, Inst Mounted Below Tap | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP007 | | Diff Pressure Instrument, Low Press/Liquid Service, Inst Mounted Below Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP008 | | Pressure Instrument, Low Press/Air-Gas Service, Inst Mounted Above Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DP009 | | Diff Press Inst - Gas/Air Low Press/Low Temp Inst Mounted Above Taps | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DT001 | | Temperature Element, Thermocouple Or Rtd, Line Mounted | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DT002 | | Temperature Indicator, Line Or Equipment Mounted | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DT003 | | Temperature Transmitter Remote Mount | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DT004 | | Thermowell Details | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DV001 | | Instrument Air Supply Air Operated Valve Three Valve Arrangement | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DV002 | | Instrument Air Supply Air Operated Valve Six Valve Arrangement | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DV003 | | Instrument Air Supply Air Operated Valve W/Thermal Movement Three Valve Arrangement | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-DV004 | | Instrument Air Supply Air Operated Valve W/Thermal Movement Six Valve Arrangement | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | ##### | | Panel Drawings (set of 5) | 5/26/11 | Information | N | - | N/A | - |
| | IC | Drawing | I-W2500-I-W2504 | | Emergency Shut Down System (set of 5) | 5/26/11 | Information | N | - | N/A | - |
| | IC | Study/Calc | | | **Studies & Calculations** | - | - | - | - | - | - |
| | IC | Study/Calc | # | | Flow Calcs/Philosophy | 4/14/11 | | N | - | N/A | - |
| | IC | Study/Calc | # | | Control Valve & PSV Calcs/Philosophy | 6/17/11 | | N | - | N/A | - |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | IC | Study/Calc | | | **Lists** | - | - | - | - | - | - |
| 7/11 | IC | Study/Calc | I-XXX-L-X-50 | B | Instrument Index | - | Issued | N | - | N/A | - |
| 7/11 | IC | Study/Calc | I-XXX-L-X-60 | 7/18/11 | DCS I/O List | - | Issued | N | - | N/A | - |
| | **PI** | | | | **PIPING** | | | | | | |
| | PI | | | | **Construction Packages/Specifications** | - | - | - | - | - | - |
| | PI | Specification | 264200 | 0 | Galvanic Anode Cathodic Protection System | 5/5/11 | information | Issued | Mech-1a | Approved | |
| | PI | Specification | 404216 | 0 | Power Plant Piping and Equipment Insulation | 5/5/11 | Issued | Y | Mech-1a | Reference only | |
| | PI | Specification | 405010 | 2 | Underground Power Plant Piping | 5/5/11 | information | Y | Mech-1a | R2 Approved 7/18 | M1, M2 |
| | PI | Specification | 405020 | 0 | Aboveground Power Plant Piping | 5/5/11 | information | Y | Mech-1a | Reference only | M1, M2 |
| | PI | Specification | 405200 | 0 | Shop Fabrication of Power Plant Piping | 5/5/11 | information | Y | Mech-1a | Reference only | M1, M2 |
| | PI | Specification | 485868 | 0 | Welding of Power Plant Piping | 5/5/11 | information | Y | Mech-1a | Reference only | M1, M2 |
| | PI | Specification | | | **Equipment Specifications** | - | - | - | - | - | - |
| | PI | Specification | 405000 | 2 | Power Plant Piping Materials | 3/31/11 | Issued | Y | Mech-1 | Approved 6/10; R2 pending 9/19/11 | M1, M2 |
| | PI | Specification | 405500 | 2 | Power Plant Valves | 3/31/11 | Issued | Y | Mech-1 | Approved 6/10; R2 pending 9/19/11 | M1, M2 |
| | PI | Specification | 405720 | 0 | Power Plant Piping Engineered Supports | 3/31/11 | information | Y | Mech-1a | R0 Reference only; R1 Approved 9/23/11 | M1, M2 |
| | PI | Specification | 406001 | 0 | Power Plant Strainers | 5/31/11 | Issued | N | - | - | - |
| | PI | Specification | 406002 | 1 | Power Plant Expansion Joints | 5/31/11 | Issued | N | - | - | - |
| | PI | Specification | 406006DS | A | Hose Coupling | 5/31/11 | Issued | N | - | - | - |
| | PI | Specification | 406007 | | Drip Pan Elbow | 5/31/11 | information | N | - | - | - |
| | PI | Specification | 406008 | | Vent Cap and Bird Screen | 5/31/11 | information | N | - | - | - |
| | PI | Specification | 406009 | | Flame Arrestor | 5/31/11 | information | Y | Mech-1a | | |
| | PI | Specification | 406010DS | A | Backflow Preventer Data Sheet | 5/31/11 | Issued | Y | Mech-1a | Rev A Pending 7/20 | |
| | PI | Specification | 406011DS | A | Safety Shower and Eye-Wash Stations Data Sheet | 5/31/11 | Issued | Y | Mech-1a | Rev A Pending 7/20 | |
| | PI | | PS-6000 | | Standard Support Drawing Package | | information | | | | |
| | PI | | set | | Special Pipe Supports (set of approx 60) | | information | | | | |
| | PI | Drawing | | | **U/G PIPING ORTHO DRAWINGS** | - | - | - | - | - | - |
| | PI | Drawing | P-PU001 | 0 | Piping Underground Key Plan | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU060 | 1 | Piping Plan Underground Unit 600 Scr Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU061 | 1 | Piping Plan Underground Unit 600 Ctg Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU062 | 0 | Piping Plan Underground Unit 600 Gsu Power Block Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU070 | 1 | Piping Plan Underground Unit 700 Scr Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU071 | 1 | Piping Plan Underground Unit 700 Ctg Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU072 | 0 | Piping Plan Underground Unit 700 Gsu Power Block Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU080 | 1 | Piping Plan Underground Unit 800 Scr Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU081 | 1 | Piping Plan Underground Unit 800 Ctg Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU082 | 0 | Piping Plan Underground Unit 800 Gsu Power Block Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU090 | 1 | Piping Plan Underground Unit 900 Scr Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU091 | 1 | Piping Plan Underground Unit 900 Ctg Power Block Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU092 | 0 | Piping Plan Underground Unit 900 Gsu Power Block Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU100 | 1 | Piping Plan Underground Unit 900 Ctg And Heater/Chiller Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU101 | 1 | Piping Plan Underground Unit 900 Ctg And Chiller Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU102 | 0 | Piping Plan Underground Power Distribution Center Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU103 | 0 | Piping Plan Underground Fuel Gas Dew Point Heater Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU110 | 1 | Piping Plan Underground Chiller/Demin Water Tank Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU111 | 1 | Piping Plan Underground Chiller, Dw Tank And Ww Tank Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU112 | 1 | Piping Plan Underground F.G. Compressor And Maintenance Building Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU113 | 0 | Piping Plan Underground F.G. Compressor And F.G. Yard Metering Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU114 | 0 | Piping Plan Underground Plant Entrance And Fire Protection Access Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU120 | 1 | Piping Plan Underground Service Water Tank And Fire Protection Skid Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU121 | 1 | Piping Plan Underground Ww Tank, Sw Tank And Ammonia Unloading Area | 5/19/11 | information | Y | Mech-1a | R1 Approved 8/9 | |
| | PI | Drawing | P-PU122 | 0 | Piping Plan Underground Maintenance Building And Ammonia Unloading Area | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-PU130 | 0 | Piping Plan Underground Raw Water Supply Line To Plant | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | | | **U/G PIPING DETAILS** | - | - | - | - | - | - |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | PI | Drawing | P-PU510 | 0 | Piping Details Underground/Aboveground Fire Protection And Bollard Details | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-VU200 | 0 | Piping Details Underground Stub-Up, Drain And Wall Penetration Details | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | PI | Drawing | P-VU201 | 1 | Piping Details Underground/Aboveground Utility Station And Eye Wash Details | 5/19/11 | information | Y | Mech-1a | R0 Approved 8/9 | |
| | | | | | **U/G PIPING ISOMETRICS (sets)** | | | | | - | |
| 8/11 | PI | Drawing | CHW UG ISO Set-01 | 1 | CHW Underground Piping Isometric Set w/ Index | 5/19/11 | information | N | -- | - | |
| 8/11 | PI | Drawing | UG ISO Set-01 | 1 | Underground Piping Isometric Set | 5/19/11 | information | N | -- | - | |
| | PI | Drawing | N | | **FIRE PROTECTION** | - | - | - | - | - | - |
| | PI | Drawing | P-PU500 | | U/G - Fire Protection Loop | 5/19/11 | information | Y | Mech-1a | | |
| | PI | Drawing | P-PU501 | | U/G - Fire Protection Loop | 5/19/11 | information | Y | Mech-1a | | |
| | PI | Drawing | P-PU510 | | U/G - Fire Protection Loop Details | 5/19/11 | information | Y | Mech-1a | | |
| | PI | Drawing | N | | **CATHODIC PROTECTION** | - | - | - | - | - | - |
| | PI | Drawing | P-PU700 | 0 | U/G - Cathodic Protection Plan | 4/14/11 | Issued | Y | Mech-1a | R0 comments 8/3/11; R1 Approved 9/29 | |
| | PI | Drawing | P-PU701 | 0 | U/G - Cathodic Protection Details | 4/14/11 | Issued | Y | Mech-1a | R0 comments 8/3/11; R1 Approved 9/29 | |
| 6/11 | PI | Drawing | P-PU702 | 1 | U/G - Cathodic Protection Details | 4/14/11 | Issued | Y | Mech-1a | R0 comments 8/3/11; R1 Approved 9/29 | |
| | PI | Drawing | | | **A/G PIPING ISOMETRICS (set of 320)** | - | - | - | - | - | - |
| 6/11, 8/11 | PI | Drawing | set of xxx | 0 | A/G PIPING ISOMETRIC - Unit 6, 7, 8, 9 | 7/18/11 | information | N | ~~Mech-1a~~ | - | |
| 6/11, 8/11 | PI | Drawing | set of xxx | 0 | A/G PIPING ISOMETRIC Common | 7/18/11 | information | N | ~~Mech-1a~~ | - | |
| | PI | Drawing | | | **A/G PIPING ORTHO DRAWINGS** | - | - | - | - | - | - |
| | PI | Drawing | P-PA001 | 0 | A/G - Piping Key Plan | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA060 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA061 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA062 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA063 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA064 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA065 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA070 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA071 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA072 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA073 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA074 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA075 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA080 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA081 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA082 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA083 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA084 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA085 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA090 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA091 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA092 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA093 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA094 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA095 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA100 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA101 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA102 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA103 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA104 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA105 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA106 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA107 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA116 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA120 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA121 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA122 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | PI | Drawing | P-PA123 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA131 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | P-PA140 | 0 | A/G - Piping Ortho | 7/21/11 | Issued | Y | Mech-1a | Rev 0 Pending 9/26 | |
| | PI | Drawing | | | **AG PIPING DETAILS** | - | - | - | - | - | - |
| | PI | Drawing | P-VA200 | | AG PIPING DETAILS | 7/21/11 | information | Y | Mech-1a | | |
| | PI | Drawing | P-VA201 | | AG PIPING DETAILS | 7/21/11 | information | Y | Mech-1a | | |
| | PI | Calc/Study | | | **Calculations & Analysis** | - | - | - | - | - | - |
| | PI | Calc/Study | PI-MEP-001 | 0 | Stress Criteria for Piping Systems | 6/23/11 | issued | Y | Mech-1a | rev 0 pending 9/29/11 | |
| 9/11 | PI | ~~Calc/Study~~ | ~~PI-MEP-002~~ | | ~~Stress Analysis for CTG Lube Oil Pipe~~ | ~~6/23/11~~ | ~~information~~ | ~~Y~~ | ~~Mech-1a~~ | Deleted | |
| | PI | Calc/Study | PI-MEP-002 | 0 | Stress Analysis for Fuel Gas Pipe | 6/23/11 | issued | Y | Mech-1a | rev 0 pending 9/29/11 | |
| 9/11 | ~~PI~~ | ~~Calc/Study~~ | ~~PI-MEP-00x~~ | | ~~Stress Analysis for Ammonia Pipe~~ | ~~6/23/11~~ | ~~information~~ | ~~Y~~ | ~~Mech-1a~~ | Deleted | |
| 9/11 | ~~PI~~ | ~~Calc/Study~~ | ~~PI-MEP-005~~ | | ~~Stress Analysis for Water Tank Nozzle Loads~~ | ~~6/23/11~~ | ~~information~~ | ~~Y~~ | ~~Mech-1a~~ | Deleted | |
| | PI | Calc/Study | PI-MEP-003 | 0 | Cathodic Protection Anode | 4/7/11 | Issued | Y | Mech-1a | Rev 0 Approved 9/29/11 | |
| | PI | List | | | **Lists & Reports** | - | - | - | - | - | - |
| | PI | List | P-XXX-L-0-0001 | 1 | Pipe Line Report | 6/17/11 | issued | Issued | Mech-1a | rev 1 Reference Only 8/22 | |
| | PI | List | P-XXX-L-0-0010 | 1 | Valve Report | 5/5/11 | issued | Y | Mech-1a | rev 1 Reference Only 8/22 | |
| | PI | List | P-XXX-L-0-0020 | A | Agboveground Specialty Items Report | 8/22/11 | issued | Y | Mech-1a | Rev A Pending 7/20 | |
| | PI | List | P-XXX-L-0-0021 | 1 | Hydrant Report | 8/22/11 | information | Issued | Mech-1a | rev 1 Reference Only 8/22 | |
| | PI | List | P-XXX-L-0-0022 | A | Expansion Joint Report | 8/22/11 | issued | Y | Mech-1a | Rev A Pending 7/20 | |
| | PI | List | P-XXX-L-0-0023 | A | Permanent Strainer Report | 8/22/11 | issued | Y | Mech-1a | Rev A Pending 7/20 | |
| | PI | List | P-XXX-L-0-0024 | | Safety Shower and Eye-Wash Station Report | 8/22/11 | information | Y | Mech-1a | | |
| | PI | List | P-XXX-L-0-0025 | 1 | Underground Specialty Items Report | 8/22/11 | information | Issued | Mech-1a | rev 1 Reference Only 8/22 | |
| 8/11 | PI | List | P-XXX-L-0-0030 | B | UG MTO | 8/22/11 | information | N | - | - | |
| | **EL** | | | | **ELECTRICAL** | | | | | | |
| | EL | | | | **Construction Specifications** | | | | | -- | |
| 9/11 | EL | Specification | 260510 | 0 | Wire and Cable Installation | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 260526 | 0 | Grounding and Bonding | 8/25/11 | Issued | Y | TSE-1, Elec-1 | rev 0 Approved 9/28/11 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 260536 | 0 | Cable Tray | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 8/11 | ~~EL~~ | ~~Specification~~ | ~~260550~~ | | ~~Electrical Equipment Installation~~ | ~~8/25/11~~ | ~~information~~ | deleted | deleted | Deleted | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 260575 | 0 | Basic Electrical Material and Methods | 5/6/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 264113 | 0 | Lightning Protection | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 269900 | 0 | Electrical Equipment Inspection and Testing | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 270000 | 0 | Communications | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 270528 | 0 | Telephone Raceway Systems | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | Santucci email to JN 8/30/11 |
| 9/11 | EL | Specification | 281300 | A | Security System | 8/25/11 | information | N | | | |
| | EL | Specification | 283100 | B | Fire Detection and Alarm System | | information | Y | | | |
| | EL | Specification | 337119 | 0 | Electrical Underground Ductbanks and Manholes | 5/6/11 | information | Y | ELEC-1 | Approved 6/22 | |
| | EL | Specification | 337119.13 | B | PreCast Concrete Manholes | 5/6/11 | information | | | | |
| | EL | Specification | # | | Above Ground Power/Control | | information | | | | |
| | EL | Specification | # | | Temporary Power | | information | | | | |
| | EL | Specification | | | **Equipment Specifications** | | | | | -- | |
| | EL | Specification | 260005 | | Pre-Engineered Building - Electrical | 2/23/11 | Issued | N | - | - | - |
| | EL | Specification | 260504 | | Elect Requirements for Packaged Mechancial Equipment | 2/14/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 260505 | | Low Voltage AC Induction Motors & Data Sheets | 2/14/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 260507 | | Medium Voltage AC Induction Motors | 2/14/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 260513,519 | | Wire & Cable | 4/11/11 | information | Y | Elec-1 | | |
| | EL | Specification | 261213 | | Unit Auxillary Station Transformers & Data Sheets | 1/27/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 261300 | 0 | Medium Voltage Switchgear & Data Sheets | 3/30/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 261213.01 | | Station Service Transformers & Data Sheets | 1/27/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 262300 | 0 | Low Voltage Switchgear & Data Sheets | 4/1/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 262418 | | Protective Relay Panels | 7/6/11 | Approval | Y | Elec-1 | | |
| | EL | Specification | 262419 | 0 | Motor Control Centers & data sheets | 3/28/11 | Issued | Y | Elec-1 | | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EL | Specification | 262502 | 0 | Non-Segregated Bus Duct & data sheets | 3/28/11 | Issued | Y | Elec-1 | | |
| | EL | Specification | 262600 | 0 | Power Distribution Centers | 3/28/11 | Issued | Y | Elec-1, TSE-1 | | |
| | EL | Specification | 263355 | 0 | DC Battery and UPS Power Supply System | 5/10/11 | Approval | Y | Elec-1 | | |
| | EL | Specification | 265000 | 0 | Lighting | 8/25/11 | Issued | Y | Elec-1 | rev 0 pending 9/27 | |
| | EL | Specification | 481923 | 1 | Generator Step Up Transformers & Data Sheets | 1/13/11 | Issued | Y | Elec-1, TSE-1 | R1 Approved 8/31 | |
| | EL | Specification | 337500 | 1 | Generator Circuit Breaker | 3/21/11 | Issued | Y | Elec-1, TSE-1 | R1 Approved 7/11 | |
| | EL | Specification | # | | Lighting & Power Panelboards | 8/10/11 | | Y | Elec-1 | | |
| 8/11 | ~~EL~~ | ~~Specification~~ | ~~260536~~ | | ~~Cable Tray;~~ Duplicate - see constr specs above | ~~6/24/11~~ | ~~Approval~~ | ~~Y~~ | ~~Elec-1~~ | -- | |
| | EL | Drawing | | | **Key Plans & Area Classification** | | | | | -- | |
| | EL | Drawing | E-K0011 | 0 | Underground Key Plan | 4/7/11 | Issued | Y | Elec-1 | rev 0 approved 6/22 | CBO-001/A E1 |
| | EL | Drawing | E-K0012 | A | Grounding Key Plan | 4/7/11 | Information | Y | Elec-1, TSE-1 | | CBO-001/A E1 |
| | EL | Drawing | E-K0013 | A | Cable Tray Key Plan | 4/7/11 | Information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-K0014 | | Lighting Key Plan | 4/7/11 | Approval | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-K0015 | A | Layout Key Plan | 4/7/11 | Information | Y | VIS-4a | | CBO-001/A E1 |
| | EL | Drawing | EA-0001 | A | Abbreviaitons and Legend | 4/7/11 | Information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | EA-0002 | | Electrical Symbol Sheet | 4/7/11 | Information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-C0031 | A | Area Classification Plan | 4/7/11 | Information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-C0021 | A | Area Classification Notes and Details | 4/7/11 | Information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | | | **One-Line Diagrams** | | | | | -- | |
| | EL | Drawing | E-N1000 | 2 | Overall One-Line Diagram | 5/5/11 | Issued | Y | Elec-1 | R1 Approved 8/11/11; R2 pending 9/20/11 | |
| | EL | Drawing | E-N1001 | 1 | Medium Voltage One-Line Diagrams Unit 6 | 7/5/11 | Issued | Y | Elec-1 | RO Approved 8/11/11; R1 pending 9/21 | |
| | EL | Drawing | E-N1002 | 1 | Medium Voltage One-Line Diagrams Unit 7 | 7/5/11 | Issued | Y | Elec-1 | RO Approved 8/11/11; R1 pending 9/21 | |
| | EL | Drawing | E-N1003 | 1 | Medium Voltage One-Line Diagrams Unit 8 | 7/5/11 | Issued | Y | Elec-1 | RO Approved 8/11/11; R1 pending 9/21 | |
| | EL | Drawing | E-N1004 | 1 | Medium Voltage One-Line Diagrams Unit 9 | 7/5/11 | Issued | Y | Elec-1 | RO Approved 8/11/11; R1 pending 9/21 | |
| | EL | Drawing | E-N1005 | 0 | MV One- Line SG-EMV-0-01A sht 1 | 7/5/11 | Issued | Y | Elec-1 | Rev B Comments 6/9; R0 pending 9/21 | |
| | EL | Drawing | E-N1006 | 0 | MV One- Line SG-EMV-0-01A sht 2 | 7/5/11 | Issued | Y | Elec-1 | Rev B Comments 6/9; R0 pending 9/21 | |
| | EL | Drawing | E-N1007 | 0 | MV One- Line SG-EMV-0-01B sht 1 | 7/5/11 | Issued | Y | Elec-1 | Rev B Comments 6/9; R0 pending 9/21 | |
| | EL | Drawing | E-N1008 | 0 | MV One- Line SG-EMV-0-01B sht 2 | 7/5/11 | Issued | Y | Elec-1 | Rev B Comments 6/9; R0 pending 9/21 | |
| | EL | Drawing | E-N1009 | 0 | Low Voltage One-Line Diagrams SG-ELV-0-01 A/B | 5/5/11 | Issued | Y | Elec-1 | R0 pending 9/21/11 | |
| | EL | Schedule | MCC-ELV-0-01A | A | Low Voltage MCC Diagrams MCC-ELV-0-01A | 5/5/11 | Issued | Y | Elec-1 | | |
| | EL | Schedule | MCC-ELV-0-01B | A | Low Voltage MCC Diagrams MCC-ELV-0-01B | 5/5/11 | Issued | Y | Elec-1 | | |
| | EL | Drawing | E-N1010 | 0 | Low Voltage MCC One-Line Diagram MCC-ELV-0-01A | 5/5/11 | Issued | Y | Elec-1 | R0 pending 9/21/11 | |
| | EL | Drawing | E-N1011 | 0 | Low Voltage One-Line Diagram MCC-ELV-0-01A | 5/5/11 | Issued | Y | Elec-1 | R0 pending 9/21/11 | |
| | EL | Drawing | E-N1012 | 0 | Low Voltage One-Line Diagram MCC-ELV-0-01B | 5/5/11 | Issued | Y | Elec-1 | R0 pending 9/21/11 | |
| | EL | Drawing | E-N1013 | 0 | Low Voltage One-Line Diagram MCC-ELV-0-01B | - | Issued | Y | Elec-1 | R0 pending 9/21/11 | |
| 7/11 | EL | Drawing | E-N1014 | 0 | LV One-Line Diagram MCC-ELV--6-01 | - | Issued | Y | Elec-1 | R0 pending 9/19/11 | |
| 7/11 | EL | Drawing | E-N1015 | 0 | LV One-Line Diagram MCC-ELV--7-01 | - | Issued | Y | Elec-1 | R0 pending 9/19/11 | |
| 7/11 | EL | Drawing | E-N1016 | 0 | LV One-Line Diagram MCC-ELV--8-01 | - | Issued | Y | Elec-1 | R0 pending 9/19/11 | |
| 7/11 | EL | Drawing | E-N1017 | 0 | LV One-Line Diagram MCC-ELV--9-01 | - | Issued | Y | Elec-1 | R0 pending 9/19/11 | |
| 9/11 | EL | Drawing | E-N1020 | 0 | UPS One-Line Diagram | 8/2/11 | Issued | Y | Elec-1 | Rev 0 comments 9/28 | |
| 9/11 | EL | Drawing | E-N1021 | 0 | DC Power Distribution One-Line Diagram | 8/2/11 | Issued | Y | Elec-1 | Rev 0 comments 9/28 | |
| | EL | Drawing | | | **Three-Line Diagrams** | | | | | - | |
| | EL | Drawing | E-N1300 | 1 | MV Three Line GEN-CTG-6-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1301 | 1 | MV Three Line GEN-CTG-7-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1302 | 1 | MV Three Line GEN-CTG-8-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1303 | 1 | MV Three Line GEN-CTG-9-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1304 | 1 | MV Three Line GCB-EMV-6-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1305 | 1 | MV Three Line GCB-EMV-7-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1306 | 1 | MV Three Line GCB-EMV-8-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1307 | 1 | MV Three Line GCB-EMV-9-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1308 | 0 | HV Three Line GSU-EHV-6-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1309 | 0 | HV Three Line GSU-EHV-7-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1310 | 0 | HV Three Line GSU-EHV-8-01 | 7/13/11 | information | N | - | - | - |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | EL | Drawing | E-N1311 | 0 | HV Three Line GSU-EHV-9-01 | 7/13/11 | information | N | - | - | - |
| 9/11 | ~~EL~~ | ~~Drawing~~ | ~~E-N1312~~ | deleted | ~~MV Three Line SG-EMV-0-01A~~ (replaced by vendor dwgs) | ~~7/13/11~~ | ~~information~~ | ~~N~~ | - | - | - |
| 9/11 | ~~EL~~ | ~~Drawing~~ | ~~E-N1313~~ | deleted | ~~MV Three Line SG-EMV-0-01B~~ (replaced by vendor dwgs) | ~~7/13/11~~ | ~~information~~ | ~~N~~ | - | - | - |
| | EL | Drawing | E-N1314 | 0 | MV Three Line AUX-EMV-0-01A | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1315 | 0 | MV Three Line AUX-EMV-0-01B | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | E-N1316 | 0 | MV Three Line CMP-FG-0-01 | 7/13/11 | information | N | - | - | - |
| | EL | Drawing | | | **Schematic & Wiring Diagrams** | | | | | | |
| | EL | Drawing | E-W1600 | | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1601 | A | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1602 | A | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1603 | A | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1604 | A | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1605 | A | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1606 | A | Relay Panel Layout | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1607 | | Relay Panel RP-XXX-0-01 87/GSU-9 | 7/8/11 | information | N | - | - | - |
| | EL | Drawing | E-W1608 | | MV Breaker Main DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1609 | | MV Breaker Tie DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1610 | | MV Breaker Main DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1611 | | MV Breaker 1 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1612 | | MV Breaker 2 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1613 | | MV Breaker 3 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1614 | | MV Breaker 4 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1615 | | MV Breaker 5 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1616 | | MV Breaker 6 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1617 | | MV Breaker 7 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1618 | | MV Breaker 8 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1619 | | MV Breaker 9 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1620 | | MV Breaker 10 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1621 | | MV Breaker 11 DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1622 | | MV Breaker 52G-EMV-6-01 | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1623 | | MV Breaker 52G-EMV-6-02 | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1624 | | MV Breaker 52G-EMV-7-01 | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1625 | | MV Breaker 52G-EMV-8-01 | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1626 | | MV Breaker 52G-EMV-9-01 | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1627 | | MV Breaker 52G-EMV-9-02 | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1651 | | CMP-FG-0-01A/B/C/D/E DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1652 | | CMP-FG-0-01A/B/C/D/E DC Schematic | 8/10/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1653 | | RO Water Pump A/B Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1654 | | Demin Water Pump A/B Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1655 | | WW Sump Pump A/B Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1656 | | Gas Comp Lube Oil Cooler 1/2/3/4/5 Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1657 | | Gas Comp Lube Oil Pump 1/2/3/4/5 Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1658 | | Gas Comp Gas Coolers 1/2/3/4/5 A/B Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1659 | | Tempering Air Fan 6/7/8/9 A/B Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1660 | | Ammonia Forwarding Pumps A/B/C Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1661 | | Dilution Air Fan 6/7/8/9 A/B Schematic | 8/3/11 | information | Y | Elec-1 | | |
| | EL | Drawing | E-W1663 | | Communications System | 8/3/11 | | N | - | | |
| | EL | Drawing | E-W1664 | | Communications System | 8/3/11 | | N | - | | |
| 9/11 | EL | Drawing | B-SS004 | A | Switchyard communication | - | | N | - | | |
| | EL | Drawing | E-W1665 | | Security System | 8/3/11 | | N | - | | |
| | EL | Drawing | E-W1666 | | CAISO Panel | 8/3/11 | | N | - | | |
| | EL | Drawing | E-W1667 | | Phasor Diagram | 8/3/11 | | N | - | | |
| | EL | Drawing | n/a | | Metering | 8/3/11 | | N | - | | |
| | EL | Drawing | | | **Underground (model & dwgs)** | | | | CBO-001/A E1 | - | CBO-001/A E1 |
| | EL | Drawing | E-U2000 | 0 | Underground Notes and Details | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22 | CBO-001/A E1 |
| | EL | Drawing | E-U2001 | 0 | Underground Notes and Details | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22 | CBO-001/A E1 |
| 8/11 | EL | Drawing | E-U2002 | 1 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 pending 9/1/11 | |
| | EL | Drawing | E-U2003 | 1 | Cable Vault Details | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 pending 9/1/11 | CBO-001/A E1 |
| 9/11 | EL | Drawing | E-U2005 | 0 | UG Details Gas Compressor Area | - | Issued | Y | Elec-1 | rev 0 pending 9/8 | |
| | EL | Drawing | E-U2007 | | PDC Stub-Up Details | 5/12/11 | information | Y | Elec-1 | | CBO-001/A E1 |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EL | Drawing | E-U2008 | | PDC Stub-Up Details | 5/12/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-U2009 | | BOP Stub-Up Details - Gas Area | 5/12/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-U2010 | 4 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; rev 3 approved 8/10, rev 4 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2011 | 4 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R4 Approved 8/9/11 | CBO-001/A E1 |
| | EL | Drawing | E-U2012 | 2 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2013 | 2 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R2 Approved 8/9/11 | CBO-001/A E1 |
| | EL | Drawing | E-U2014 | 3 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R3 Approved 8/9/11 | CBO-001/A E1 |
| | EL | Drawing | E-U2015 | 1 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R1 Approved 8/9/11 | CBO-001/A E1 |
| | EL | Drawing | E-U2016 | 1 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R1 Approved 8/9/11 | CBO-001/A E1 |
| | EL | Drawing | E-U2017 | 1 | Manhole Details | 5/12/11 | Issued | Y | Elec-1 | R1 Approved 8/9/11 | CBO-001/A E1 |
| | EL | Drawing | E-U2020 | | MV Breaker Vault - Unit 6,7,8,9 Details | 5/12/11 | information | Y | Elec-1 | pending | CBO-001/A E1 |
| | EL | Drawing | E-U2021 | 4 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; R3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2023 | 4 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2025 | 3 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2027 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2029 | 1 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/28 | CBO-001/A E1 |
| | EL | Drawing | E-U2031 | 3 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3; rev 3 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2033 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/26; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2035 | 1 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/26 | CBO-001/A E1 |
| | EL | Drawing | E-U2037 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/26; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2039 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/26; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2040 | 4 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2041 | 4 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| 9/11 | EL | Drawing | E-U2042 | 0 | Ductbank Sections | | Issued | Y | Elec-1 | rev 0 Approved 9/26 | CBO-001/A E1 |
| | EL | Drawing | E-U2043 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 9/28 | CBO-001/A E1 |
| 8/11 | EL | Drawing | E-U2044 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/26; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2045 | 4 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3 | CBO-001/A E1 |
| 8/11 | EL | Drawing | E-U2046 | 2 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 9/26; rev 2 pending 9/30 | |
| | EL | Drawing | E-U2047 | 4 | Ductbank Sections | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3; R4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2106 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2107 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2108 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2109 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2111 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2112 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2113 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2114 | 3 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3; Rev 3 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2115 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EL | Drawing | E-U2116 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2117 | 4 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2118 | 4 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2119 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2120 | 3 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3; rev 3 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2121 | 3 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3; rev 3 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2122 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2123 | 0 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22 | CBO-001/A E1 |
| | EL | Drawing | E-U2124 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2125 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2126 | 2 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3; rev 2 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2127 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2128 | 3 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; rev 3 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2129 | 1 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | E-U2130 | 4 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2131 | 4 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 3 Approved 10/3; rev 4 pending 9/30 | CBO-001/A E1 |
| | EL | Drawing | E-U2132 | 3 | Electrical Underground Plan | 5/12/11 | Issued | Y | Elec-1 | rev 0 approved 6/22; Rev 2 Approved 10/3; rev 3 pending 9/30 | CBO-001/A E1 |
| | | Drawing | E-U2150 | 1 | Electrical Underground Plan | | Issued | Y | Elec-1 | rev 0 approved 6/22; R1 Approved 10/3 | CBO-001/A E1 |
| | EL | Drawing | | | **Grounding & Lightning Protection (2D)** | | | | | | |
| | EL | Drawing | E-G3000 | A | Grounding Notes and Details | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3001 | A | Grounding Notes and Details | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3002 | 1 | Grounding Notes and Details | 6/13/11 | information | Y | Elec-1 | R1 pending 9-19-11 | CBO-001/A E1 |
| | EL | Drawing | E-G3003 | | Lightning Protection Notes and Details | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3100 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3101 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3102 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3103 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3104 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3105 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3106 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3107 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3108 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3109 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3110 | | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3111 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3112 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3113 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3114 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3115 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3116 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3117 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3118 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3119 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3120 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3121 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3122 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |

Issue Date: 10/5/11 Document: CBO-0001

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EL | Drawing | E-G3123 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3124 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3125 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3126 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3127 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3128 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3129 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3130 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3131 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3132 | A | Grounding Plan | 6/13/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3133 | | Lightning Protection Plan | 7/5/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-G3134 | | Lightning Protection Plan | 7/5/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | | | **CableTray (model and dwgs)** | | | | | | |
| | EL | Drawing | E-T4000 | A | Cable Tray Notes and Details | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4001 | A | Cable Tray Details Unit CTG/PCM Sections | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4002 | | Cable Tray Notes and Details | 5/10/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4100 | | Cable Tray Plan - PDC | 5/10/11 | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4101 | A | Cable Tray Plan - CTG 6 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4102 | A | Cable Tray Plan - CTG 7 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4103 | A | Cable Tray Plan - CTG 8 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4104 | A | Cable Tray Plan - CTG 9 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4105 | A | Cable Tray Plan - PCM6 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4106 | A | Cable Tray Plan - PCM7 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4107 | A | Cable Tray Plan - PCM8 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | E-T4108 | A | Cable Tray Plan - PCM9 | 5/10/11 | Issued | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Drawing | | | **Lighting & Recepticles (2D)** | | | | | | |
| | EL | Drawing | E-L5000 | A | Lighting Notes and Details | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5001 | A | Lighting Notes and Details | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5002 | | Lighting Contactor - PDC | 5/17/11 | | | | | |
| | EL | Drawing | E-L5003 | | Lighting Level Topography | 5/17/11 | Approval | | | | |
| | EL | Drawing | E-L5100 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5101 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5102 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5103 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5104 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5105 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5106 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5107 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5108 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5109 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5110 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5111 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5112 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5113 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5114 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5115 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5116 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5117 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5118 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5119 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5120 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5121 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | E-L5122 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5123 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5124 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5125 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5126 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5127 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5128 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5129 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5130 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |
| | EL | Drawing | E-L5131 | A | Lighting Plan | 5/17/11 | Issued | Y | VIS-4a | | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EL | Drawing | E-L5132 | | Lighting Plan | 5/17/11 | Approval | Y | VIS-4a | | |
| | EL | Drawing | | | **Power and Control (2D)** | | | | | | |
| | EL | Drawing | E-P6000 | A | Layout Details | 7/27/11 | Issued | | | | |
| | EL | Drawing | E-P6001 | A | Layout Drawing Details | 7/27/11 | Issued | | | | |
| | EL | Drawing | E-P6002 | | Power and Control Notes and Details | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6020 | 0 | Preliminary PDC Layout | 3/28/11 | Issued | Y | TSE-1 | | |
| | EL | Drawing | E-P6031 | A | Non-Seg Bus Layout at GSU | - | Issued | | | | |
| | EL | Drawing | E-P6032 | A | Non-Seg Bus Layout at MV Breaker | - | Issued | | | | |
| | EL | Drawing | E-P6033 | B | PDC Building Non-seg Bus Layout | 3/28/11 | Issued | Y | TSE-1 | | |
| | EL | Drawing | E-P6034 | B | PDC Building Non-seg Bus Sections | 3/28/11 | Issued | Y | TSE-1 | | |
| | EL | Drawing | E-P6100 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6101 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6102 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6103 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6104 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6105 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6106 | | Power and Control Plan | 7/27/11 | information | | | | |
| 9/11 | EL | Drawing | E-P6107 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6108 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6109 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| | EL | Drawing | E-P6110 | | Power and Control Plan | 7/27/11 | information | | | | |
| 9/11 | EL | Drawing | E-P6111 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6112 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6113 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6114 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6115 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6116 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6117 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6118 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6119 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6120 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6121 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6122 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6123 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6124 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6125 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6126 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6127 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6128 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6129 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6130 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6131 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| 9/11 | EL | Drawing | E-P6132 | A | Electrical Above Ground Plan | 7/27/11 | Issued | | | | |
| | EL | Drawing | E-P6133 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6134 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6135 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6136 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6137 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6138 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6139 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6140 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6141 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6142 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6143 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6144 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6145 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6146 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6147 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6148 | | Power and Control Plan | 7/27/11 | information | | | | |
| | EL | Drawing | E-P6149 | | Power and Control Plan | 7/27/11 | information | | | | |
| | | | | | **Lists and Schedules** | | | | | | |
| 8/11 | EL | Drawing | E-S1501 | 0 | Panel Schedules UPS-UPS-0-01 | - | Issued | N | - | N/A | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/11 | EL | Drawing | E-S1502 | 0 | Panel Schedules DCP-DC-0-01 | - | Issued | N | - | N/A | |
| 9/11 | EL | Drawing | E-S1504 | A | Unit 600 MCC Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1506 | A | Unit 700 MCC Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1508 | A | Unit 800 MCC Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1510 | A | Unit 900 MCC Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1512 | A | CEMS 6 Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1513 | A | CEMS 7 Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1514 | A | CEMS 8 Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | Drawing | E-S1515 | A | CEMS 9 Panel Schedule | - | Issued | N | - | | |
| 9/11 | EL | List | E-S-9001 | | Equipment Schedule | - | information | N | - | | |
| 9/11 | EL | List | E-S-9002 | A | Cable Schedule | - | information | N | - | | |
| 9/11 | EL | List | E-S-9003 | | Conduit Schedule | - | information | N | - | | |
| 9/11 | EL | List | E-S-9004 | | Tray Schedule | - | information | N | - | | |
| | EL | | | | **Plant Systems Design** | | -- | -- | -- | | CBO-001/A E1 |
| | EL | Drawing | E-P6000 | | Security System | | Approval | | | | |
| | EL | Drawing | E-P6001 | | Fire Protection | | Approval | Y | Elec-1 | | CBO-001/A E1 |
| 9/11 | EL | Drawing | E-W1663 | A | Plant Communications Systems Schematic | | Issued | N | -- | -- | |
| | EL | Study/Calc | | | **Studies** | | -- | -- | -- | | CBO-001/A E1 |
| | EL | Study/Calc | EE-03 | A | Short Circuit Study | 6/14/11 | Issued | Y | Elec-1 | rev A approved 8/16 | CBO-001/A E1 |
| | EL | Study/Calc | EE-02 | A | Load Flow Study & Voltage Drop | 5/3/11 | Approval | Y | Elec-1 | rev A approved 8/16 | CBO-001/A E1 |
| | EL | Study/Calc | # | | Arc Flash Study | 5/24/11 | Approval | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | EE-004 | 0 | Grounding System Study | 5/3/11 | Issued | Y | Elec-1 | Rev A comments 8/4; Rev 0 pending 9/28 | CBO-001/A E1 |
| | EL | Study/Calc | # | | Relay Coordination and Setting Design | | Approval | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | # | | Ductbank Ampacity | 4/13/11 | Approval | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | # | | Distirbution System Optimization Study (client deliverable) | 4/28/11 | Approval | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | # | | PSS Settings (subcontracted - GE??) | | | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | | | **Calculations** | | -- | -- | -- | | -- |
| | EL | Study/Calc | # | | Lighting Calcs | | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | # | | Battery Sizing | | information | Y | Elec-1 | | CBO-001/A E1 |
| | EL | Study/Calc | EC-01 | 0 | Temporary Construction Power Calculation | | information | Y | ELEC-1-2.0 | approved 7/1/11 | CBO request |
| | **T&D** | | | | **TRANSMISSION & DISTRIBUTION** | | | | | | |
| | T&D | Specification | | | **Specifications** | | -- | -- | -- | | -- |
| | T&D | Specification | | | **Construction & Installation Specifications** | | -- | -- | -- | | -- |
| 9/11 | T&D/ Struct | Specification | 316329 | 0 | Drilled Concrete Piers | | Issued | Y | TSE-1, TSE-4; Struc-1 | rev 0 pending 9/28 | |
| | T&D | Specification | 337250 | | Electrical Construction - Swyd/Substn | | Information | Y | TSE-1, TSE-4 | | |
| | T&D | Specification | 269900 | | Electrical Construction - Testing | | Information | Y | TSE-1, TSE-4 | | |
| | T&D | Specification | | | Communications Equipment (incl Fiber Optic Term) | | Information | Y | TSE-1, TSE-4 | | |
| 8/11 | ~~T&D~~ | ~~Specification~~ | ~~337116.23~~ | | ~~T-line Structures~~ (replaced by design criteria & PG&E docs) | | ~~Information~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | | |
| 8/11 | ~~T&D~~ | ~~Specification~~ | ~~337150~~ | | ~~T-Line Construction~~ (replaced by Exhibit a Scope of Work) | | ~~Information~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | | |
| 9/11 | T&D | Specification | n/a | n/a | Compliance Letter , T-Line design | | Information | ~~Y~~ N | TLSN-1 | CEC compliance letter issued 4/11 & approved by CEC at meeting | |
| 9/11 | T&D | Specification | n/a | n/a | Compliance Letter , T-Line grounding | | Information | ~~Y~~ N | TLSN-4 | CEC compliance letter | |
| | T&D | Specification | | | **Equipment Procurement Specifications** | | -- | -- | -- | | -- |
| 5/11 | T&D | Specification | 260001 | 2 | 230KV Circuit Breaker | | Approval | Y | TSE-1, TSE-4 | R2 Reference Only 8/11/11 | |
| 5/11 | T&D | Specification | 260002 | 0 | 230KV Substation Disconnect Switch | | Approval | Y | TSE-1, TSE-4 | R0 Reference Only 8/11/11 | |
| 8/11 | ~~T&D~~ | ~~Specification~~ | | | ~~Gang Operated Air Switches~~ | | ~~Approval~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | | |
| 5/11 | T&D | Specification | 260003 | 1 | 230 KV Combined Metering Transformers (Relaying) | | Approval | Y | TSE-1, TSE-4 | R1 Reference Only 8/11/11 | |
| | T&D | Specification | 260004 | 0 | 230KV Surge Substation Lightening Arresters | | Approval | Y | TSE-1, TSE-4 | R0 Reference Only 8/11/11 | |
| 8/11 | ~~T&D~~ | ~~Specification~~ | | | ~~Current Transformers (Metering Accuracy in Breaker)~~ | | ~~Approval~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | | |
| | T&D | Specification | 260006 | 1 | 230 KV Capacitor Voltage Transformers | | Approval | Y | TSE-1, TSE-4 | R1 Reference Only 8/11/11 | |
| | T&D | Specification | | | Relay Panels & Racks | | Approval | Y | TSE-1, TSE-4 | | |
| | T&D | Specification | | | Telephone / Communications Equipment | | Approval | Y | TSE-1, TSE-4 | | |
| | T&D | Specification | | | Minor Materials Package (Packager) | | Approval | Y | TSE-1, TSE-4 | | |
| | T&D | Specification | | | T-line Structures and Hardware | | Approval | Y | TSE-1, TSE-4 | | |
| | T&D | Specification | | | **Equipment Procurement Specifications** | | -- | -- | -- | | -- |
| | T&D | Standard | 015014 | 6 | PG&E - Suspension Type Insulators | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |
| | T&D | Standard | 051742 | 2 | PG&E - Civil Design Standard Tubular Steel Poles | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |
| | T&D | Standard | 068177 | 8 | PG&E - Overhead Transmission Line Design Criteria | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T&D | Standard | 072115 | 3 | PG&E - Design Criteria Tubular Steel Pole Requirements High Wind | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |
| | T&D | Standard | 073290 | 2 | PG&E - Design Criteria Tubular Steel Pole Requirements | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |
| | T&D | Standard | 470591 | 2 | PG&E - Electrical Clearances for 60kV, 70kV, 115kV and 230kV | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |
| | T&D | Standard | Eng Std 68 | A | PG&E - Engineering Standard No 68 | | Information | Y | TSE-1, TSE-4 | Reference Only 7/19 | |
| | T&D | Drawing | | | **Drawings & Model work** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | **One-Line & Three-Line Diagrams** | | -- | -- | -- | | -- |
| | T&D | Drawing | B-SL001 | 5 | HV Relaying & Metering One-Line Diagram | | Issued | Y | TSE-1, TSE-4 | R5 approved 9/26/11 | |
| | T&D | Drawing | | | Three Line Diagrams | | Approval | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Transmission One-Line | | Approval | Y | TSE-1, TSE-4, TSE-5 | | |
| | T&D | Drawing | | | **Schematic & Wiring Diagrams** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | Protective Relay DC Schematic Diagram | | Information | | | | |
| | T&D | Drawing | | | Switchyard Breaker Control | | Information | | | | |
| | T&D | Drawing | | | Relay Panel Layouts (Elevation)- Line | | Information | | | | |
| | T&D | Drawing | | | Relay Panel Layouts (Elevation)- Bus | | Information | | | | |
| | T&D | Drawing | | | **Relay Panel Wiring Diagrams** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | Relay Panel Wiring Diagrams- Line | | Information | | | | |
| | T&D | Drawing | | | Relay Panel Wiring Diagrams- Bus | | Information | | | | |
| | T&D | Drawing | | | Relay Panel Wiring Diagrams- Transmission | | Information | | | | |
| | T&D | Drawing | | | **Interconnect/Termination** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | Interconnection Diagrams (Yard Equipment) | | Information | | | | |
| | T&D | Drawing | | | Relay Panel Interconnections | | Information | | | | |
| | T&D | Drawing | | | Termination Sheets (2 shts) | | Information | | | | |
| | T&D | Drawing | | | **Plans & Sections** | | -- | -- | -- | | -- |
| | T&D | Drawing | B-PP001 | A | Switchyard Plan | | Approval | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | B-SS001 | A | Elev Looking East sht 1 | | Information | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | B-SS002 | A | Elev Looking East sht 2 | | Information | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | B-SS003 | A | Elev Looking North | | Information | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | | | **Underground Electrical** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | Underground Raceway | | Information | | | | |
| | T&D | Drawing | | | Grounding Plan | | Information | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | | | **Transmission- Plan and Profile** | | -- | -- | -- | | -- |
| 9/11 | T&D | Drawing | T-001 | 0 | Drawing Index and Structure Data | | Issued | Y | TSE-1, TSE-4, TSE-5 | R0 Pending 9/8 | |
| | T&D | Drawing | T-PS012 | 1 | Transmisison Route Plan and Profile sht 1 | | Issued | Y | TSE-1, TSE-4, TSE-5 | R0 Approved 7/18; R1 pending 9/8/11 | |
| | T&D | Drawing | T-PS013 | 1 | Transmisison Route Plan and Profile sht 2 | | Issued | Y | TSE-1, TSE-4, TSE-5 | R0 Approved 7/18; R1 pending 9/8/11 | |
| | T&D | Drawing | T-PS014 | 1 | Transmisison Route Plan and Profile sht 3 | | Issued | Y | TSE-1, TSE-4, TSE-5 | R0 Approved 7/18; R1 pending 9/8/11 | |
| 7/11 | ~~T&D~~ | ~~Drawing~~ | ~~T-SD001-VOID~~ | ~~B~~ | ~~VOID - Dead End Structure Detail DE-1; replaced by T-SD-01~~ | | ~~Issued~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | VOID | |
| 7/11 | ~~T&D~~ | ~~Drawing~~ | ~~T-SD002 - VOID~~ | ~~B~~ | ~~VOID - Tangent Structure Detail TA-1; Replaced by T-SD012~~ | | ~~Issued~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | VOID | |
| 7/11 | ~~T&D~~ | ~~Drawing~~ | ~~T-SD004 - VOID~~ | ~~A~~ | ~~VOID - Double Dead End Structure DDE-1; Replaced by T-SD014~~ | | ~~Issued~~ | ~~Y~~ | ~~TSE-1, TSE-4~~ | VOID | |
| 7/11 | T&D | Drawing | T-L0007 | 1 | Jumper Configuration Details | | Issued | Y | TSE-1, TSE-4 | R0 Approved 7/14; R1 pending 9/8/11 | |
| 7/11 | T&D | Drawing | T-SD005 | 1 | Connection Assembly Details | | Issued | Y | TSE-1, TSE-4 | R1 Approved 7/14 | |
| 7/11 | T&D | Drawing | T-SD008 | 0 | Vibration Damper Assembly and Details | | Issued | Y | TSE-1, TSE-4 | R0 Approved 7/14 | |
| 9/11 | T&D | Drawing | T-SD009 | 0 | Fiber Optic Connection Assembly Details | | Issued | Y | TSE-1, TSE-4 | R0 Pending 9/8 | |
| 7/11 | T&D | Drawing | T-SD011 | 1 | VOID - Dead End Structure Detail DE-1; replaced by T-SD-01 | | Issued | Y | TSE-1, TSE-4 | R0 Approved 7/14; R1 pending 9/8/11 | |
| 9/11 | T&D | Drawing | T-SD011A | 0 | Dead End Structure Detail DE-1A | | Issued | Y | TSE-1, TSE-4 | R0 Pending 9/8 | |
| 7/11 | T&D | Drawing | T-SD012 | 1 | VOID - Tangent Structure Detail TA-1; Replaced by T-SD012 | | Issued | Y | TSE-1, TSE-4 | R0 Approved 7/14; R1 pending 9/8/11 | |
| 7/11 | T&D | Drawing | T-SD014 | 1 | VOID - Double Dead End Structure DDE-1; Replaced by T-SD014 | | Issued | Y | TSE-1, TSE-4 | R0 Approved 7/14; R1 pending 9/8/11 | |
| | T&D | Drawing | | | **Miscellaneous** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | SCADA / RTU Interface | | | | | | |
| | T&D | Drawing | | | Demolition | | | | | | |
| | T&D | Drawing | | | **Construction Details** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | Raceway Details | | | | | | |
| | T&D | Drawing | | | T&D Miscellaneous Details | | | | | | |
| | T&D | Drawing | | | Standard/Typical Details | | | | | | |
| | T&D | Drawing | | | T&D Grounding Details | | | Y | TSE-1, TSE-4 | | |
| | T&D | Drawing | | | **Switchyard and T-Line Structural** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | **Foundations** | | -- | -- | -- | | -- |

# Mariposa Project 415059
## CH2M Hill Engineers Inc.
## Schedule, Master Drawings Specifications List (GEN-2)

**Issue Date: 10/5/11** **Document: CBO-0001**

| Rev | Discipline | Type | Document Number | Rev | Document Description | Target Date | MEL Submittal | CBO Submittal Req'd | C of C reference | BV Status | BVnet Ref |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7/11 | T&D | Drawing | T-FD001 | 2 | **Transmission Structure Drilled Pier Foundation Section & Detail** | | Issued | Y | Struc-1, TSE-1, TSE-4 | R2 Approved 7/27/11 | |
| | T&D | Drawing | | | Tangent Tower | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | CCVT | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Arrester | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Breaker | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | High Switch | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | High Bus | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | High Bus Single | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Bus Duct | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | **Structures** | | -- | -- | -- | | -- |
| | T&D | Drawing | | | CCVT Support | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Low Bus Support | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Low Switch Support | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Arrester Supports | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | High Switch Support | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | High Bus Support | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | High Bus Single Support | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Drawing | | | Bus Duct Supports | | Information | Y | Struc-1, TSE-1, TSE-4 | | |
| | T&D | Study/Calc | | | **Studies , Calculations and Analysis** | | -- | -- | -- | | -- |
| | T&D | Study/Calc | TD-DC1 | 1 | Transmission Line Material Design Criteria | | Issued | Y | TSE-5 | Approved | |
| | | | memo 4/8/11 | - | Transmission Line Design Memo to Fabricator | | Issued | Y | TSE-4 | Approved 7/19 | |
| | T&D | Study/Calc | | | Load / Ampacity Calculation | | Information | Y | Elec-1, TSE-4 | | |
| | T&D | Study/Calc | | | Protective Device Setting: Differential | | Information | Y | Elec-1, TSE-4 | | |
| | T&D | Study/Calc | Vendor | | T-line Structure Loading Trees | | Information | Y | Elec-1, TSE-4 | | |
| 5/11 | T&D | Study/Calc | STR #1 - #8. LCA | - | Sag-10 | | Information | Y | Elec-1, TSE-4 | Approved 7/19 | |
| 6/11 | T&D | Calc | TC-01 | 2 | Transmisison Line Foundation Calculation | | Issued | Y | Struc-1, TSE-1, TSE-4 | R2 Approved 7/27/11 | |
| | T&D | List | | | **Lists / Schedules** | | -- | -- | -- | | -- |
| | T&D | List | | | Cable Schedule | | | Y | Elec-1, TSE-4 | | |
| | T&D | List | | | Raceway Schedule | | | Y | Elec-1, TSE-4 | | |
| | **T&D** | | | | **Subcontractor's & Vendors** | | | | | | |

# STRUC-1

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00861

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 28-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Chiller Fndtn Calc & Dwg

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg - PC5
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**LG Constructors**

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00861

**Date:** 28-Sep-11

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 9/26/2011 | | | CBO Comment Response Letter STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| MD02 | 1 | Title: Typ Section Attachment Details (MD02), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MD09 | 1 | Title: Typ Connection Details (MD09), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS01 | 1 | Title: Base Detail Section #1 (MS01), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS02 | 1 | Title: Base Detail Section #2 (MS02), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS03 | 1 | Title: Base Detail Section #3 (MS03), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS04 | 1 | Title: Base Detail Section #4 (MS04), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS06 | 1 | Title: Floor Deck Plate Plan Section #1 (MS06), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS07 | 1 | Title: Floor Deck Plate Plan Section #2 (MS07), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS08 | 1 | Title: Floor Deck Plate Plan Section #3 (MS08), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS09 | 1 | Title: Floor Deck Plate Plan Section #4 (MS09), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS10 | 1 | Title: Exterior Wall Elevations Section #1 (MS10), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS11 | 1 | Title: Exterior Wall Elevations Section #2 (MS11), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS12 | 1 | Title: Exterior Wall Elevations Section #3 (MS12), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS13 | 1 | Title: Exterior Wall Elevations Section #4 (MS13), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS20 | 1 | Title: Lower Roof Detail Section #1 (MS20), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS21 | 1 | Title: Lower Roof Detail Section #2 (MS21), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS22 | 1 | Title: Lower Roof Detail Section #3 (MS22), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS23 | 1 | Title: Lower Roof Detail Section #4 (MS23), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS30 | 1 | Title: Upper Base Detail Section #5 (MS30), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS33 | 1 | Title: Upper Base Detail Section #6 (MS33), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS40 | 1 | Title: Upper Unit Exterior Wall Elevation (MS40), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS41 | 1 | Title: Upper Section Exterior Wall Elevation (MS41), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS42 | 1 | Title: Upper Section Interior Wall Elevation (MS42), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00861

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 28-Sep-11

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|---|---|---|---|---|
| MS50 | 1 | Title: Upper Roof Framing Detail (MS50), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS51 | 1 | Title: Upper Fan Support Framing Detail (MS51), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS54 | 1 | Title: Upper Platform Assembly Plan (MS54), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |

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|---|---|---|---|---|---|
| Jeff Nobe | LG Constructors, Inc. | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |
| James Spicer | Mariposa Energy, LLC | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00732

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 08-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
Various Vendor Docs per Letter
FOR REFERENCE

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| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
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**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-3.1 - MEP 415059 CH2M HILL ECM Foundation Dwg & Calc IFA - PC2

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| | | 8/31/2011 | | | CBO Comment Response Letter Struct-1-3.1 083111 | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 0001R | 1 | Title: General Arrangement Side Elevation View LM6000PC (0001R), Revision: Issued for Review (1, May 2, 2011) | Express Integrated Technologies, LLC | R - Review |
| 0002R | 1 | Title: General Arrangement Plan View LM6000PC (0002R), Revision: LM6000PC - Revised AIG Location (1, Aug 30, 2011) | Express Integrated Technologies, LLC | R - Review |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00732

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 08-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 0004R | 1- | Title: General Arrangement (LM6000PC) Paint, Fabrication, And Field Installation (Ducts, Stack, Ladder & Platforms) (0004R), Revision: Added Insulation Note 9-STAMPED (1-, Aug 30, 2011) | Express Integrated Technologies, LLC | R - Review |
| 3100R | 1 | Title: 3100 Module Arrangement (3100R), Revision: Issued for Review (1, May 23, 2011) | Express Integrated Technologies, LLC | R - Review |
| 3200R | 1 | Title: 3200 Module Arrangement (3200R), Revision: Issued for Review (1, May 23, 2011) | Express Integrated Technologies, LLC | R - Review |
| 4100R | 3 | Title: 4100 Duct Arrangement (4100R), Revision: Issued for Review (3, Jun 2, 2011) | Express Integrated Technologies, LLC | R - Review |
| 4200R | 1 | Title: 4200 Duct Arrangement (4200R), Revision: Issued for Review (1, May 23, 2011) | Express Integrated Technologies, LLC | R - Review |
| 4800R | 0 | Title: 4800 Stack Arrangement (4800R), Revision: Issued For Review (0, Apr 26, 2011) | Express Integrated Technologies, LLC | R - Review |
| 5000R | 1 | Title: General Arrangement Ladder & Platform Elevation LM6000PC (5000R), Revision: Issued for Construction (1, Jul 5, 2011) | Express Integrated Technologies, LLC | C - Construction |
| 5001R | 1 | Title: General Arrangement Ladder & Platform Plan View LM6000PC (5001R), Revision: Issued for Construction (1, Jul 5, 2011) | Express Integrated Technologies, LLC | R - Review |
| 5010R | 0 | Title: Field Installation Ladder & Platform (5010R), Revision: Issued for Review (0, Jul 11, 2011) | Express Integrated Technologies, LLC | R - Review |
| 59922.01 | A | Title: Heavy Duty Airfoil Fan (59922.01), Revision: Issued for Review (A, Jun 3, 2011) | Express Integrated Technologies, LLC | R - Review |
| 59964.01 | A | Title: Heavy-Duty Airfoil (59964.01), Revision: Issued for Review (A, Jun 3, 2011) | Express Integrated Technologies, LLC | R - Review |
| 7229R | 0 | Title: 4200 DUCT BAFFLE ASSEMBY (FIELD INSTALLATION) (7229R), Revision: BAFFLE DETAILS (0, Jul 19, 2011) | Express Integrated Technologies, LLC | R - Review |
| ST11-113-400 | 0 | Title: Simple Cycle Exhaust Duct Acoustical Shroud General (ST11-113-400), Revision: Issued for Review (0, Aug 5, 2011) | Express Integrated Technologies, LLC | R - Review |
| ST11-113-401 | 0 | Title: Simple Cycle Exhaust Duct Acoustical Shroud GA/Panel Support Elevation (ST11-113-401), Revision: Issued for Review (0, Aug 5, 2011) | Express Integrated Technologies, LLC | R - Review |
| ST11-113-402 | 0 | Title: Simple Cycle Exhaust Duct Acoustical Shroud GA/Panel Support Location (ST11-113-402), Revision: Issued for Review (0, Aug 5, 2011) | Express Integrated Technologies, LLC | R - Review |
| ST11-113-403 | 0 | Title: Simple Cycle Exhaust Duct Acoustical Shroud Field Installation Details (ST11-113-403), Revision: Issued for Review (0, Aug 5, 2011) | Express Integrated Technologies, LLC | R - Review |

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|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00755

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Concrete Notes and Standard Details

| **Document Codes:** | | | |
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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-1.0X4 - LGC Turbines Foundation & Concrete Spec. Package for Approval - PC1

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| | | 9/1/2011 | | | Dwg: 415059-SC-04 Revision 2 Title: Combustion Turbine Foundation Desc: For Approval | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00755

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

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| | | 9/6/2011 | | | Dwg: S-C1009 Revision 2 Title: CTG Auxiliary Skid, Fire Protection Desc: For Approval | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-S0002 - Concrete Notes & Std Dets Sht 1 | 1 | Dwg: S-S0002 Title: Concrete Notes & Std Dets Sht 1 Desc: For Approval | | New Item |
| S-S0003 - Concrete Standard Details Sht 2 | 1 | Dwg: S-S0003 Title: Concrete Standard Details Sht 2 Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**Transmittal No.:** 00787

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**Vendor Document Codes:**

A - Approved
AC - Approved w/Corrections
CLO - Closed
DNP - Do Not Proceed
I- Information
ICN - Incorporate Comments No
FAF - Field and File
MCN - Make Corrections Noted
NCN - No Comments Noted
NEN - No Exceptions Noted
NEW - New Item
OB - Old Business Outstanding
ONG - Ongoing
OPN - Open
P - Proceed
R&R -Revise & Resubmit
REJ - Rejected
RF - Reference
RP - Revise _Proceed
RWC - Rev'd w/o Comment
RWCO - Reviewed with Comments
SIAN - Submit Items as Noted
SUP - Superseded
UNS - UnSubmitted
V - Void

**CH2M HILL Document Codes:**

A - Approval
B/C - Bid/Construction
B-Bid
C- Construction
D- Design
I- Information
P - Purchase
PE - Permit
PR-Proceed
R - Review
RD - Record
R - Review
RF - Reference
RP - Revise & Proceed as Noted
RRDNP - Revise & Resubmit, Do Not Proceed
S - Signature
T - Transmittal Only
X - Comments

| Copy To: | Copy To: |
|---|---|
| James Spicer | Jeff Nobe |
| Kristy Santucci | Les Mathine |
| MEP Pwr Gp Mailbox | |

**Comments:** BVNA: Comments on Documents are due in 15 buisness days of transmittal date.
STRUC-1-1.0X5 - LGC Turbines Foundation & Concrete Spec. Package for Approval - PC1

**Transmitted By:** Lisa Gilkes

**Transmitted For:** Jeff Nobe

**Quantity Transmitted:** 0

**Received Date:** _____ Req'd ☐

**Received By:** _____ Req'd ☐

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.
This can be done by fax, email, or personally delivered response. Please respond within 10 business days of the transmittal date of this document.
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(_____) Receipt of all documents as identified in this transmittal letter.

(_____) Exceptions to documents received as transmitted in this transmittal letter. Missing documents are identified on this returned transmittal. We ask for these documents to be retransmitted to our firm.

Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

**LG Constructors**

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**Transmittal No.:** 00787

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

| Document No.: | Rev No.: | Description: | Doc. Code: |
|---|---|---|---|
| 415059-SC-04 - Calc Combustion Turbine Foundation | | Dwg: 415059-SC-04 Title: Calc Combustion Turbine Foundation Desc: Issed for Approval | New Item |
| 415059-SC-04 - Calc Combustion Turbine Foundation | | Dwg: 415059-SC-04 Title: Calc Combustion Turbine Foundation Desc: Issed for Approval | Approved |
| 415059-SC-04 - Calc Combustion Turbine Foundation | | Dwg: 415059-SC-04 Title: Calc Combustion Turbine Foundation Desc: Issed for Approval | Approved |
| S-C1009 - CTG Aux Skid, Fire Protect, Sprint | | Dwg: S-C1009 Title: CTG Aux Skid, Fire Protect, Sprint Desc: Issed for Approval | New Item |
| S-C1009 - CTG Aux Skid, Fire Protect, Sprint | | Dwg: S-C1009 Title: CTG Aux Skid, Fire Protect, Sprint Desc: Issed for Approval | Approved |
| S-C1009 - CTG Aux Skid, Fire Protect, Sprint | | Dwg: S-C1009 Title: CTG Aux Skid, Fire Protect, Sprint Desc: Issed for Approval | Approved |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00784

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 16-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Lube Oil Dwg and Calc

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments on Documents are due in 15 business days of transmittal date.
STRUC-1-1.1X1- MEP 415059 Lube Oil Drawing and Calc - PC1

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 415059-SC-08 - Lube Oil Skid | 2 | Dwg: 415059-SC-08 Title: Lube Oil Skid Desc: Issued for Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00784

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 16-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-C1013 - CTG LubeOilCoolr/WtrInjctnSkid FDNs | 2 | Dwg: S-C1013 Title: CTG LubeOilCoolr/WtrInjctnSkid FDNs Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Jeff Nobe | LG Constructors, Inc. | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |
| Michele Clark | Bureau Veritas North America, Inc. | 1 | | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00832

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 23-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APROVAL
GE Installation Footprint drawings
-571224 Sht 5 and 6

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Larry Barton
(E) lawrence,barton@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the documents listed on this transmittal are due in 15 business days of this transmittal date.
STRUC-1-1.2 - MEP 415059 Anchor Bolt and Shear Lug Location -PC1
Per Jeff Nobe: Please expedite review of documents.

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 7234473-571224 SHT 5 | C | Title: Installation Footprint Anchor Bolt and Shear Lug Location LM6000 (7234473-571224 SHT 5), Revision: Installation Footprint (C, Aug 25, 2011) | GE Packaged Power, L.P. (GE) | R - Review |
| 7234473-571224 SHT 6 | C | Title: Installation Footprint Anchor Bolt and Shear Lug Location LM6000 (7234473-571224 SHT 6), Revision: Installation Footprint (C, Aug 25, 2011) | GE Packaged Power, L.P. (GE) | R - Review |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00832

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 23-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| GE PE LETTER REF -571224 RC | - | Title: GE review letter referencing -571224 RC Sht 5 and 6 (GE PE LETTER REF -571224 RC ), Revision: For Information (-, Sep 22, 2011) | GE Energy - Aero Energy Products | A-Approval |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Michele Clark | Bureau Veritas North America, Inc. | 1 | Barbara Tomajic | Bureau Veritas North America, Inc | 1 |
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00885

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
GE PE Letter Referencing BRUSH Generator
and BRUSH Generator Report

**Document Codes:**

| | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
STRUC-1-1.3 - MEP 415059 GE PE Letter-BRUSH Generator - PC1

From Jeff Nobe: Please expedite this review

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| BRUSH Gen - LM6000: 60 Hz Classic Unit | - | Dwg: BRUSH Generator 7-290ERJTH Title: LM6000: 60 Hz Classic Unit Desc: For Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00885

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| GE Letter BRUSH - GE PE Letter REF BRUSH Gen 7-290ERJ | - | Dwg: GE PE Letter REF BRUSH Gen 7-290ERJ Title: GE PE Letter REF BRUSH Gen 7-290ERJ Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00888

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
GE GA Sprint Skid Drawing

| **Document Codes:** | | | |
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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
STRUC-1-1.4 - MEP 415059 GE PE Letter-GA Sprint Skid - PC1

NOTE: Jeff Nobe is requesting the review of these documents is expedited.

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| -571209 Sht 3 - GA Sprint Skid | B | Dwg: 7234473-571209 Sht 3 Title: GA Sprint Skid Desc: For Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00888

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| GE Letter571209 - GE PE Letter Referencing -571209 | - | Dwg: GE PE Letter REF -571209 RB Title: GE PE Letter Referencing -571209 Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00881

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Concrete Notes & Standard Details

| **Document Codes:** | | | |
|---|---|---|---|
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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments and Documents are due in 15 business days of transmittal date.
STRUC-1-1.0X4 - MEP 415059 Concrete Notes & Standard Details - PC2

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(_____) Exceptions to documents received as transmitted in this transmittal letter. Missing documents are identified on this returned transmittal. We ask for these documents to be retransmitted to our firm.

Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-S0002 - Concrete Notes & Std Dets Sht 1 | 2 | Dwg: S-S0002 Title: Concrete Notes & Std Dets Sht 1 Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00881

**Date:** 29-Sep-11

| Copy To: | Qty: | Copy To: | Qty: |
|---|---|---|---|
| MEP Pwr Gp Mailbox LG Constructors, Inc. | E | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00861

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 28-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Chiller Fndtn Calc & Dwg

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg - PC5
Please note that these Documents are issued For Reference to remove the Conditional Approval.

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

**LG Constructors**

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00861

**Date:** 28-Sep-11

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 9/26/2011 | | | CBO Comment Response Letter STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| MD02 | 1 | Title: Typ Section Attachment Details (MD02), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MD09 | 1 | Title: Typ Connection Details (MD09), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS01 | 1 | Title: Base Detail Section #1 (MS01), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS02 | 1 | Title: Base Detail Section #2 (MS02), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS03 | 1 | Title: Base Detail Section #3 (MS03), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS04 | 1 | Title: Base Detail Section #4 (MS04), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS06 | 1 | Title: Floor Deck Plate Plan Section #1 (MS06), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS07 | 1 | Title: Floor Deck Plate Plan Section #2 (MS07), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS08 | 1 | Title: Floor Deck Plate Plan Section #3 (MS08), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS09 | 1 | Title: Floor Deck Plate Plan Section #4 (MS09), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS10 | 1 | Title: Exterior Wall Elevations Section #1 (MS10), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS11 | 1 | Title: Exterior Wall Elevations Section #2 (MS11), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS12 | 1 | Title: Exterior Wall Elevations Section #3 (MS12), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS13 | 1 | Title: Exterior Wall Elevations Section #4 (MS13), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS20 | 1 | Title: Lower Roof Detail Section #1 (MS20), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS21 | 1 | Title: Lower Roof Detail Section #2 (MS21), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS22 | 1 | Title: Lower Roof Detail Section #3 (MS22), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS23 | 1 | Title: Lower Roof Detail Section #4 (MS23), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS30 | 1 | Title: Upper Base Detail Section #5 (MS30), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS33 | 1 | Title: Upper Base Detail Section #6 (MS33), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS40 | 1 | Title: Upper Unit Exterior Wall Elevation (MS40), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS41 | 1 | Title: Upper Section Exterior Wall Elevation (MS41), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS42 | 1 | Title: Upper Section Interior Wall Elevation (MS42), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00861

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 28-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| MS50 | 1 | Title: Upper Roof Framing Detail (MS50), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS51 | 1 | Title: Upper Fan Support Framing Detail (MS51), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |
| MS54 | 1 | Title: Upper Platform Assembly Plan (MS54), Revision: for Construction (1, Aug 23, 2011) | Stellar Energy Systems | FR-For Reference |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Jeff Nobe | LG Constructors, Inc. | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |
| James Spicer | Mariposa Energy, LLC | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00743

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 12-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
GAUMER Seismic Report FOR REFERENCE

| **Document Codes:** | | | |
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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-17.0 - MEP 415059 Ammonia Skid Pad & Tempering Air Fan Pad - PC3

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| | | 8/29/2011 | | | STRUC-1-17.0-MEP 415059 Ammonia Skid Pad & Tempering Air Fan Pad | Approval |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

9189 South Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00743

**Date:** 12-Sep-11

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|---|---|---|---|---|
| 11981 SEISMIC | 0 | Title: Seismic Feasibility Report (11981 SEISMIC), Revision: Issued for Review (0, May 12, 2011) | GE Energy - Aero Energy Products | R - Review |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00843

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 27-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Ammonia Skid Pad & Tempering Air Fan Pad

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| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
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STRUC-1-17.0X1 MEP 415059 Ammonia Skid Pad & Tempering Air Fan Pad - PC1

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**LG Constructors**

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9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00843

**Date:** 27-Sep-11

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| | | 9/14/2011 | | | Dwg: 415059-SC-07 R1 Title: Ammonia Skid Tempering Air Fans Fuel Filter Cal:<br>ISSUED FOR APPROVAL | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-C1015 - Tempering Air & Ammonia Skid Fndtns | 2 | Dwg: S-C1015 Title: Tempering Air & Ammonia Skid Fndtns Desc:<br>ISSUED FOR APPROVAL | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00839

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 26-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Oily Water Separator Docs

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| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
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**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
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STRUC-1-18.0X1 MEP 415059 Oily Water Separator Docs - PC1

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|---|---|---|---|---|
| S-C1025 - Oily Water Separator and CTG Water | 1 | Dwg: S-C1025 Title: Oily Water Separator and CTG Water Desc: Issued for Approval | | New Item |

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|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
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9189 S. Jamaica Street
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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00641

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 23-Aug-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR REFERENCE
Teichert Material Evaluation

**Document Codes:**

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| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-19.0 - MEP 415059 TEIC Material Evaluation -PC1

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| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 0.75 Inch AB Cl - 3\4" AB Class 2 Material Evaluation | - | Dwg: 0.75 Inch AB Class 2 Title: 3\4" AB Class 2 Material Evaluation<br>Desc: For Reference | | New Item |

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|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 South Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00641

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00835

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 26-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL W.E. Lyons Building Documents

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| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
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STRUC-1-20.0 - MEP 415059 W.E. Lyons Building Documents - PC2

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|---|---|---|---|---|---|---|
| | | 9/2/2011 | | | CBO Comment Response Letter STRUC-1-20.0 090211 and two certificates from W.E. Lyons | New Item |

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|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |



f_transmittal_06_pw

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00835

**Date:** 26-Sep-11

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00691

9191 South Jamaica Street
Englewood, CO 80112

**Date:** 01-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
OVERAA Submittal 1.0 Concete Mix Design

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
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**Transmitted By:** Danielle Gose
(E) Danielle.Gose@ch2m.com
(O) (303) 771-0952

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-21.0 - MEP 415059 Overaa Concrete Mix Design - PC1
Requested expedited review per Jeff Nobe

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LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00691

9191 South Jamaica Street
Englewood, CO 80112

**Date:** 01-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| Overaa 033000 - Overaa Concrete Mix Design | - | Dwg: Overaa 033000 Title: Overaa Concrete Mix Design Desc: Issued for Review | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
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| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00744

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 12-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
COLLINS ELECTRICAL Elec UG Ductbank
Concrete Mix Design

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| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
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**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-22.0 - MEP 415059 Collins Elec UG Ductbank Concrete Mix - PC1

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Email: _____

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00744

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 12-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| STK-519 003 | -1 | Title: Electrical Underground Ductback Concrete Mix Design (STK-519 003), Revision: Issued for Review (-1, Sep 6, 2011) | Collins Electrical Company Inc.1 | R - Review |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00832

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 23-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APROVAL
GE Installation Footprint drawings
-571224 Sht 5 and 6

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Larry Barton
(E) lawrence,barton@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the documents listed on this transmittal are due in 15 business days of this transmittal date.
STRUC-1-23.0 - MEP 415059 Anchor Bolt and Shear Lug Location -PC1
Per Jeff Nobe: Please expedite review of documents.

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| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 7234473-571224 SHT 5 | C | Title: Installation Footprint Anchor Bolt and Shear Lug Location LM6000 (7234473-571224 SHT 5), Revision: Installation Footprint (C, Aug 25, 2011) | GE Packaged Power, L.P. (GE) | R - Review |
| 7234473-571224 SHT 6 | C | Title: Installation Footprint Anchor Bolt and Shear Lug Location LM6000 (7234473-571224 SHT 6), Revision: Installation Footprint (C, Aug 25, 2011) | GE Packaged Power, L.P. (GE) | R - Review |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00832

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 23-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| GE PE LETTER REF -571224 RC | - | Title: GE review letter referencing -571224 RC Sht 5 and 6 (GE PE LETTER REF -571224 RC ), Revision: For Information (-, Sep 22, 2011) | GE Energy - Aero Energy Products | I - For Information Only |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Michele Clark | Bureau Veritas North America, Inc. | 1 | Barbara Tomajic | Bureau Veritas North America, Inc | 1 |
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00851

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 27-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Drilled Concrete Peirs Spec

| **Document Codes:** | | | |
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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments and Documents are due in 15 business days of transmittal date.
STRUC-1-24.0-MEP 415059 Drilled Concrete Piers Spec - PC1

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Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 316329 - Drilled Concrete Piers | 0 | Dwg: 316329 Title: Drilled Concrete Piers Desc: Issued for Construction | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00851

**Date:** 27-Sep-11

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| MEP Pwr Gp Mailbox LG Constructors, Inc. | E | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00749

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Misc Steel Docs

| **Document Codes:** | | | |
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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-7.0 - MEP 415059 Misc Steel Docs - PC3

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| | | 8/31/2011 | | | CBO Comment Response Letter Struct-1-7.0 083111 | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 415059-SS-01 - Miscellaneous Platforms | 2 | Dwg: 415059-SS-01 Title: Miscellaneous Platforms Desc: For Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00749

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-S1001 - CTG Access Plat Plans, Sect & Dets | 2 | Dwg: S-S1001 Title: CTG Access Plat Plans, Sect & Dets Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00749

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Misc Steel Docs

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

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(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-7.0 - MEP 415059 Misc Steel Docs - PC3

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|---|---|---|---|---|---|---|
| | | 8/31/2011 | | | CBO Comment Response Letter Struct-1-7.0 083111 | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 415059-SS-01 - Miscellaneous Platforms | 2 | Dwg: 415059-SS-01 Title: Miscellaneous Platforms Desc: For Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00749

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-S1001 - CTG Access Plat Plans, Sect & Dets | 2 | Dwg: S-S1001 Title: CTG Access Plat Plans, Sect & Dets Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00750

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Steel Drawings

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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Struc-1-7.1 - MEP 415059 Steel Drawings - PC1

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Phone: _____

Email: _____

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|---|---|---|---|---|
| S-S1003 - GSU & CTG Platforms Plan | 0 | Dwg: S-S1003 Title: GSU & CTG Platforms Plan Desc: For Approval | | New Item |
| S-S1004 - Aux Transformers Platforms | 0 | Dwg: S-S1004 Title: Aux Transformers Platforms Desc: For Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00750

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-S1005 - PCM Platforms Plan, Section & Dets | 0 | Dwg: S-S1005 Title: PCM Platforms Plan, Section & Dets Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00752

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
ZFA Foundation Loading & Anchorage
Calculation FOR REFERENCE

**Document Codes:**

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| ASB - As Built | I- Information | R - Review | V - Void |
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| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

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STRUC-1-9.0 - MEP 415059 CTG Power Control Module Foundation - PC4

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Email: _____

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00752

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

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|---|---|---|---|---|---|---|
| | | 8/29/2011 | | | CBO Comment Response Letter Struct-1-9.0 082211 | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| FND ANCHOR CALCS | - | Title: Foundation Loading Anchorage Calcs (FND ANCHOR CALCS), Revision: Issued for Review (-, Jun 8, 2011) | GE Packaged Power, L.P. (GE) | R - Review |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00773

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 15-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Chiller Foundation Calc & Dwg

**Document Codes:**

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg - PC4

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Received Date: _____

Phone: _____

Email: _____

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|---|---|---|---|---|---|---|
| | | 8/31/2011 | | | CBO Comment Response Letter Struct-1-14.0 083111 | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 415059-SC-11 - Air Cooled Chiller Foundation | 1 | Dwg: 415059-SC-11 Title: Air Cooled Chiller Foundation Desc: For Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00773

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 15-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| S-C1020 - Chiller Package Foundation Plans | 1 | Dwg: S-C1020 Title: Chiller Package Foundation Plans Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |
| Jeff Nobe | LG Constructors, Inc. | E | Keith McGregor | CH2M HILL/Compliance/Sacrame | E |

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***-- END --***

# MECH-1

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00834

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 26-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M Hill UG Piping Plan Drawings

**Document Codes:**

| | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
MECH-1-13.0 MEP 415059 AG Piping Plan Drawings - PC1

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

This can be done by fax, email, or personally delivered response. Please respond within 5 business days of the transmittal date of this document.

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By signing below I hereby acknowledge:

(_____) Receipt of all documents as identified in this transmittal letter.

(_____) Exceptions to documents received as transmitted in this transmittal letter. Missing documents are identified on this returned transmittal. We ask for these documents to be retransmitted to our firm.

Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| P-PA001 - AG Key Plan | 0 | Dwg: P-PA001 Title: AG Key Plan Desc: Issued for Approval | | New Item |
| P-PA020 - AG F. G Compressors Area | 0 | Dwg: P-PA020 Title: AG F. G Compressors Area Desc: Issued for Approval | | New Item |
| P-PA021 - AG F.G. Compressors Area | 0 | Dwg: P-PA021 Title: AG F.G. Compressors Area Desc: Issued for Approval | | New Item |
| P-PA022 - AG F.G. Compressors Area | 0 | Dwg: P-PA022 Title: AG F.G. Compressors Area Desc: Issued for Approval | | New Item |
| P-PA030 - AG Maintenance Building Area | 0 | Dwg: P-PA030 Title: AG Maintenance Building Area Desc: Issued for Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00834

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 26-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| P-PA050 - AG Ammonia Unloading Area | 0 | Dwg: P-PA050 Title: AG Ammonia Unloading Area Desc: Issued for Approval | | New Item |
| P-PA060 - AG Chiller Area | 0 | Dwg: P-PA060 Title: AG Chiller Area Desc: Issued for Approval | | New Item |
| P-PA061 - AG Chiller Area | 0 | Dwg: P-PA061 Title: AG Chiller Area Desc: Issued for Approval | | New Item |
| P-PA062 - AG Chiller Area | 0 | Dwg: P-PA062 Title: AG Chiller Area Desc: Issued for Approval | | New Item |
| P-PA063 - AG Chiller Area | 0 | Dwg: P-PA063 Title: AG Chiller Area Desc: Issued for Approval | | New Item |
| P-PA064 - AG Anti-Icing Heater Area | 0 | Dwg: P-PA064 Title: AG Anti-Icing Heater Area Desc: Issued for Approval | | New Item |
| P-PA065 - AG CHW Expansion TK and PWW Sump | 0 | Dwg: P-PA065 Title: AG CHW Expansion TK and PWW Sump Desc: Issued for Approval | | New Item |
| P-PA070 - AG Demin Water Tank Area | 0 | Dwg: P-PA070 Title: AG Demin Water Tank Area Desc: Issued for Approval | | New Item |
| P-PA071 - AG WW Tank and Fire Protection Skid | 0 | Dwg: P-PA071 Title: AG WW Tank and Fire Protection Skid Desc: Issued for Approval | | New Item |
| P-PA072 - AG Service Water Tank Area | 0 | Dwg: P-PA072 Title: AG Service Water Tank Area Desc: Issued for Approval | | New Item |
| P-PA073 - AG Demin Wter Trailers | 0 | Dwg: P-PA073 Title: AG Demin Wter Trailers Desc: Issued for Approval | | New Item |
| P-PA080 - AG Air Compression and O.W. Sump | 0 | Dwg: P-PA080 Title: AG Air Compression and O.W. Sump Desc: Issued for Approval | | New Item |
| P-PA610 - AG CTG Unit 6 | 0 | Dwg: P-PA610 Title: AG CTG Unit 6 Desc: Issued for Approval | | New Item |
| P-PA611 - AG CTG Unit 6 | 0 | Dwg: P-PA611 Title: AG CTG Unit 6 Desc: Issued for Approval | | New Item |
| P-PA612 - AG CTG Unit 6 | 0 | Dwg: P-PA612 Title: AG CTG Unit 6 Desc: Issued for Approval | | New Item |
| P-PA613 - AG CTG Unit 6 | 0 | Dwg: P-PA613 Title: AG CTG Unit 6 Desc: Issued for Approval | | New Item |
| P-PA620 - AG CTG Unit 6 | 0 | Dwg: P-PA620 Title: AG CTG Unit 6 Desc: Issued for Approval | | New Item |
| P-PA621 - AG CTG Unit 6 | 0 | Dwg: P-PA621 Title: AG CTG Unit 6 Desc: Issued for Approval | | New Item |
| P-PA710 - AG CTG Unit 7 | 0 | Dwg: P-PA710 Title: AG CTG Unit 7 Desc: Issued for Approval | | New Item |
| P-PA711 - AG CTG Unit 7 | 0 | Dwg: P-PA711 Title: AG CTG Unit 7 Desc: Issued for Approval | | New Item |
| P-PA712 - AG CTG Unit 7 | 0 | Dwg: P-PA712 Title: AG CTG Unit 7 Desc: Issued for Approval | | New Item |
| P-PA713 - AG CTG Unit 7 | 0 | Dwg: P-PA713 Title: AG CTG Unit 7 Desc: Issued for Approval | | New Item |
| P-PA720 - AG CTG Unit 7 | 0 | Dwg: P-PA720 Title: AG CTG Unit 7 Desc: Issued for Approval | | New Item |
| P-PA721 - AG CTG Unit 7 | 0 | Dwg: P-PA721 Title: AG CTG Unit 7 Desc: Issued for Approval | | New Item |
| P-PA810 - AG CTG Unit 8 | 0 | Dwg: P-PA810 Title: AG CTG Unit 8 Desc: Issued for Approval | | New Item |
| P-PA811 - AG CTG Unit 8 | 0 | Dwg: P-PA811 Title: AG CTG Unit 8 Desc: Issued for Approval | | New Item |
| P-PA812 - AG CTG Unit 8 | 0 | Dwg: P-PA812 Title: AG CTG Unit 8 Desc: Issued for Approval | | New Item |
| P-PA813 - AG CTG Unit 8 | 0 | Dwg: P-PA813 Title: AG CTG Unit 8 Desc: Issued for Approval | | New Item |
| P-PA820 - AG CTG Unit 8 | 0 | Dwg: P-PA820 Title: AG CTG Unit 8 Desc: Issued for Approval | | New Item |
| P-PA821 - AG CTG Unit 8 | 0 | Dwg: P-PA821 Title: AG CTG Unit 8 Desc: Issued for Approval | | New Item |
| P-PA910 - AG CTG Unit 9 | 0 | Dwg: P-PA910 Title: AG CTG Unit 9 Desc: Issued for Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00834

**Date:** 26-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| P-PA911 - AG CTG Unit 9 | 0 | Dwg: P-PA911 Title: AG CTG Unit 9 Desc: Issued for Approval | | New Item |
| P-PA912 - AG CTG Unit 9 | 0 | Dwg: P-PA912 Title: AG CTG Unit 9 Desc: Issued for Approval | | New Item |
| P-PA913 - AG CTG Unit 9 | 0 | Dwg: P-PA913 Title: AG CTG Unit 9 Desc: Issued for Approval | | New Item |
| P-PA920 - AG CTG Unit 9 | 0 | Dwg: P-PA920 Title: AG CTG Unit 9 Desc: Issued for Approval | | New Item |
| P-PA921 - AG CTG Unit 9 | 0 | Dwg: P-PA921 Title: AG CTG Unit 9 Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00894

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 30-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR CONSTRUCTION
CH2M HILL Piping Calculations

**Document Codes:**

| | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
MECH-1-14.0 - MEP 415059 Piping Calculations - PC1

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| PI-ME001 - Criteria for Stress of Piping Sys | 0 | Dwg: PI-MEP-001 Title: Criteria for Stress of Piping Sys Desc: Issued for Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00894

**Date:** 30-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| PI-MEP-002 - AG & UG Fuel Gas Pipe | 0 | Dwg: PI-MEP-002 Title: AG & UG Fuel Gas Pipe Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00796

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL UG Cathodic Protection Plan & Detail

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments and Documents are due in 15 business days of transmittal date.
MECH-1-12.0 - MEP 415059 UG Cathodic Protection Plan & Details - PC2

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 9/8/2011 | | | CBO Comment Response Letter MECH-1-12 0 - MEP 415059 UG Galvanic Protection Plan and Details | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00796

**Date:** 19-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| P-PU702 - UG Plan Cathodic Protection Details | 1 | Dwg: P-PU702 Title: UG Plan Cathodic Protection Details Desc: Issued forr Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00805

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 20-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Cathodic Protection - Anode Calc

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
MECH-1-12.1 - MEP 415059 UG Cathodic Protection Plan & Details - PC1
NOTE: This is the calc that is referred to in our Comment Response Letter uploaded to MECH-1-12.0 ... - PC2 on 09-20-11.

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(_____) Exceptions to documents received as transmitted in this transmittal letter. Missing documents are identified on this returned transmittal. We ask for these documents to be retransmitted to our firm.

Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00805

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 20-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| PI-MEP-003 - Cathodic Protection - Anode Calc | 0 | Dwg: PI-MEP-003 Title: Cathodic Protection - Anode Calc Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | Michele Clark | Bureau Veritas North America, Inc | 1 |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00791

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR REFERENCE
CH2M HILL Power Plant Piping Engineered Supports Spec

**Document Codes:**

| | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
MECH-1-3.0X4 - 415059 MEP LGC Piping Spec A - PC1

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| SDSR-4300-008 - Pwr Plant Piping Engineered Support | 0 | Dwg: 405720 Title: Pwr Plant Piping Engineered Support Desc: For Reference | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Jeff Nobe | LG Constructors, Inc. | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 South Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00791

**Date:** 19-Sep-11

| Copy To: | | Qty: | Copy To: | Qty: |
|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00792

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL LGC Piping Spec

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
MECH-1-3.0X5 - 415059 MEP LGC Piping Spec A - PC1

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 405000 - Power Plant Piping Materials | 2 | Dwg: 405000 Title: Power Plant Piping Materials Desc: Issued for Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00792

**Date:** 19-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 405500 - Power Plant Valves | 2 | Dwg: 405500 Title: Power Plant Valves Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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***-- END --***

# TSE-4

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00890

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 30-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Transmission Drawings

| **Document Codes:** | | | |
|---|---|---|---|
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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

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TSE-4-1.1 - MEP 415059 Transmission Drawings - PC1

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Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| T-L0007 - Jumper Configuration Details | 1 | Dwg: T-L0007 Title: Jumper Configuration Details Desc: Issued for Approval | | New Item |
| T-SD011 - Dead End Structure Detail DE-1 | 1 | Dwg: T-SD011 Title: Dead End Structure Detail DE-1 Desc: Issued for Approval | | New Item |
| T-SD012 - Tangent Structure Detail TA-1 | 1 | Dwg: T-SD012 Title: Tangent Structure Detail TA-1 Desc: Issued for Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00890

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 30-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| T-SD014 - Double Deadend Struc Details DDE-1 | 1 | Dwg: T-SD014 Title: Double Deadend Struc Details DDE-1 Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |
| Jeff Nobe | LG Constructors, Inc. | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00893

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 30-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Transmission Drawings

**Document Codes:**

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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
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| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

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TSE-4-1.2 - MEP 415059 Transmission Drawings - PC1

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| T-001 - Drawing Index and Structure Data | 0 | Dwg: T-001 Title: Drawing Index and Structure Data Desc: Issued for Approval | | New Item |
| T-SD009 - Fiber Optic Connection Assembly | 0 | Dwg: T-SD009 Title: Fiber Optic Connection Assembly Desc: Issued for Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00893

**Date:** 30-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| T-SD011A - Dead End Structure Detail | 0 | Dwg: T-SD011A Title: Dead End Structure Detail Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |
| Jeff Nobe | LG Constructors, Inc. | E | | | |

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***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00886

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Transmission Drawings

| **Document Codes:** | | | |
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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
TSE-4-1.0X1 - MEP 415059 Transmission Drawings - PC1

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Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| T-PS012 - Trans Route Plan & Profile Sht 1of3 | 1 | Dwg: T-PS012 Title: Trans Route Plan & Profile Sht 1of3 Desc: Issued for Approval | | New Item |
| T-PS013 - Trans Route Plan & Profile Sht 2of3 | 1 | Dwg: T-PS013 Title: Trans Route Plan & Profile Sht 2of3 Desc: Issued for Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00886

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| T-PS014 - Trans Route Plan & Profile Sht 3of3 | 1 | Dwg: T-PS014 Title: Trans Route Plan & Profile Sht 3of3 Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |
| Jeff Nobe | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00854

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 27-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Drilled Concrete Piers Spec

| **Document Codes:** | | | |
|---|---|---|---|
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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments and Documents are due in 15 business days of transmittal date.
TSE-4-4.0 - MEP 415059 Drilled Concrete Piers Spec - PC1

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Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 316329 - Drilled Concrete Piers | 0 | Dwg: 316329 Title: Drilled Concrete Piers Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Jeff Nobe | LG Constructors, Inc. | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00854

**Date:** 27-Sep-11

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| James Spicer | Mariposa Energy, LLC | E | | |

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# ELEC-1

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00722

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 08-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL ONE-LINE DIAGRAMS

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

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ELEC-1-10.0 - MEP 415059 One-Line Diagrams - PC1

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Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-N1020 - UPS One-Line Diagram | 0 | Dwg: E-N1020 Title: UPS One-Line Diagram Desc: Issued for Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00722

**Date:** 08-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-N1021 - DC Power Distribution One-Line Diag | 0 | Dwg: E-N1021 Title: DC Power Distribution One-Line Diag Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Keith McGregor | CH2M HILL/Compliance/Sacramer | E | Kristy Santucci | Bureau Veritas North America, Inc | E |
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00788

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Electrical Grounding Notes and Details

| **Document Codes:** | | | |
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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
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ELEC-1-11.0 - MEP 415059 Electrical Grounding Notes and Details - PC1

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| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-G3002 - Electrical Grounding Notes Details | 1 | Dwg: E-G3002 Title: Electrical Grounding Notes Details Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00788

**Date:** 19-Sep-11

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| MEP Pwr Gp Mailbox LG Constructors, Inc. | E | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00864

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 28-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL AG Electrical Construction Specs

**Document Codes:**

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| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

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ELEC-1-13.0 - MEP 415059 AG Electrical Construction Specs - PC1

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 260510 - Wire and Cable Installation | 0 | Dwg: 260510 Title: Wire and Cable Installation Desc: Issued for Approval | | New Item |
| 260526 - Grounding and Bonding | 0 | Dwg: 260526 Title: Grounding and Bonding Desc: Issued for Approval | | New Item |
| 260536 - Cable Tray | 0 | Dwg: 260536 Title: Cable Tray Desc: Issued for Approval | | New Item |
| 260575 - Basic Electrical Materials and Meth | 1 | Dwg: 260575 Title: Basic Electrical Materials and Meth Desc: Issued for Approval | | New Item |
| 264113 - Lightning Protection | 0 | Dwg: 264113 Title: Lightning Protection Desc: Issued for Approval | | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00864

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 28-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| 265000 - Lighting | 0 | Dwg: 265000 Title: Lighting Desc: Issued for Approval | | New Item |
| 269900 - Elect Equipment Inspec and Test | 0 | Dwg: 269900 Title: Elect Equipment Inspec and Test Desc: Issued for Approval | | New Item |
| 270000 - Communication System | 0 | Dwg: 270000 Title: Communication System Desc: Issued for Approval | | New Item |
| 270528 - Telephone Raceway System | 0 | Dwg: 270528 Title: Telephone Raceway System Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00793

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 19-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL LV One-Line Diagram

**Document Codes:**

| | | | |
|---|---|---|---|
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| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
ELEC-1-12.0 MEP 415059 LV One-Line Diagram - PC1

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

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Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-N1014 - LV One-Line Dgm MCC-ELV-6-01 | 0 | Dwg: E-N1014 Title: LV One-Line Dgm MCC-ELV-6-01 Desc: Issued for Approval | | New Item |
| E-N1015 - LV One-Line Dgm MCC-ELV-7-01 | 0 | Dwg: E-N1015 Title: LV One-Line Dgm MCC-ELV-7-01 Desc: Issued for Approval | | New Item |
| E-N1016 - LV One-Line Dgm MCC-ELV-8-01 | 0 | Dwg: E-N1016 Title: LV One-Line Dgm MCC-ELV-8-01 Desc: Issuedffor Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00793

**Date:** 19-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-N1017 - LV One-Line Dgm MCC-ELV-9-01 | 0 | Dwg: E-N1017 Title: LV One-Line Dgm MCC-ELV-9-01 Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Les Mathine | LG Constructors, Inc. | E | MEP Pwr Gp Mailbox | LG Constructors, Inc. | E |
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | | | |

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*Only signed/sealed hardcopies are to be used for permit, construction or purchase, unless otherwise noted on this transmittal.*

***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00801

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 20-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Elec Overall One-Line Diagram

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments and Documents are due in 15 business days of transmittal date.
ELEC-1-4.0X2 - MEP 415059 Overall One Line Diagram - PC1

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Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-N1000 - Overall One Line Diagram | 2 | Dwg: E-N1000 Title: Overall One Line Diagram Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00801

**Date:** 20-Sep-11

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|---|---|---|---|
| MEP Pwr Gp Mailbox LG Constructors, Inc. | E | | |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00748

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Michele Clark

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Electrical UG Drawings

**Document Codes:**

| | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
ELEC-1-5.0X3 - MEP 415059 Electrical Underground Documents - PC1

Removed document E-U2012 R2 from BVNA submittal package ELEC-1-5.0X1 and added it to this submittal package per telephone conversation with J. Saldana on 09-19-11.

From Jeff Nobe: Please expedite the review of these new revisions that have been previously approved in ELEC-1-5.0.

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

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Phone: _____

Email: _____

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 9/20/2011 | | | Dwg: E-U2045 Revision 3 Title: UG Duct Bank Sections<br>Desc: For Approval | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00748

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 9/19/2011 | | | Dwg: E-U2012 Revision 2 Title: Manhole Details Desc: For Approval | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-U2010 - Manhole Details | 4 | Dwg: E-U2010 Title: Manhole Details Desc: For Approval | | New Item |
| E-U2021 - UG Duct Bank Sections | 3 | Dwg: E-U2021 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2023 - UG Duct Bank Sections | 3 | Dwg: E-U2023 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2025 - UG Bank Duct Bank Sections | 3 | Dwg: E-U2025 Title: UG Bank Duct Bank Sections Desc: For Approval | | New Item |
| E-U2027 - UG Duct Bank Sections | 2 | Dwg: E-U2027 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2031 - UG Duct Bank Sections | 2 | Dwg: E-U2031 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2040 - UG Duct Bank Sections | 3 | Dwg: E-U2040 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2041 - UG Duct Bank Sections | 3 | Dwg: E-U2041 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2045 - UG Duct Bank Sections | 3 | Dwg: E-U2045 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2047 - UG Duct Bank Sections | 3 | Dwg: E-U2047 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2106 - Electrical UG Plan | 2 | Dwg: E-U2106 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2107 - Electrical UG Plan | 2 | Dwg: E-U2107 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2108 - Electrical UG Plan | 2 | Dwg: E-U2108 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2109 - Electrical UG Plan | 1 | Dwg: E-U2109 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2111 - Electrical UG Plan | 1 | Dwg: E-U2111 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2112 - Electrical UG Plan | 2 | Dwg: E-U2112 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2113 - Electrical UG Plan | 2 | Dwg: E-U2113 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2114 - Electrical UG Plan | 2 | Dwg: E-U2114 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2115 - Electrical UG Plan | 1 | Dwg: E-U2115 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2116 - Electrical UG Plan | 1 | Dwg: E-U2116 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2117 - Electrical UG Plan | 3 | Dwg: E-U2117 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2118 - Electrical UG Plan | 3 | Dwg: E-U2118 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2120 - Electrical UG Plan | 2 | Dwg: E-U2120 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2121 - Electrical UG Plan | 2 | Dwg: E-U2121 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2122 - Electrical UG Plan | 1 | Dwg: E-U2122 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2124 - Electrical UG Plan | 1 | Dwg: E-U2124 Title: Electrical UG Plan Desc: For Approval | | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00748

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 13-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-U2125 - Electrical UG Plan | 1 | Dwg: E-U2125 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2126 - Electrical UG Plan | 1 | Dwg: E-U2126 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2127 - Electrical UG Plan | 1 | Dwg: E-U2127 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2128 - Electrical UG Plan | 3 | Dwg: E-U2128 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2129 - Electrical UG Plan | 1 | Dwg: E-U2129 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2130 - Electrical UG Plan | 3 | Dwg: E-U2130 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2131 - Electrical UG Plan | 3 | Dwg: E-U2131 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2132 - Electrical UG Plan | 2 | Dwg: E-U2132 Title: Electrical UG Plan Desc: For Approval | | New Item |
| E-U2150 - Elec UG Pln Ductbank to Main Gate | 1 | Dwg: E-U2150 Title: Elec UG Pln Ductbank to Main Gate Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |
| Jeff Nobe | LG Constructors, Inc. | E | Keith McGregor | CH2M HILL/Compliance/Sacrame | E |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00817

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 22-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL UG Duct Bank Sections

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Mary-Lou Lane
(E) Mary-Lou.Lane@CH2M.com
(O) 720-286-1575

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments on the document/s listed on this transmittal are due in 15 business days of this transmittal date.
ELEC-1-5.1 - MEP 415059 UG Elec Duct Bank Dwgs - PC1

From Jeff Nobe: Please expedite review of these documents.

Recipient must acknowledge receipt of all transmitted documents listed herein or provide comments back to transmitter. Return a copy of this transmittal letter signed acknowledging receipt of all documents or return a copy of the transmittal identifying the missing documents.

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Email: _____

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|---|---|---|---|---|---|---|
| | | 9/20/2011 | | | Dwg: E-U2035 Revision 1 Title: UG Duct Bank Sections<br>Desc: For Approval | New Item |
| | | 9/20/2011 | | | Dwg: E-U2037 Revision 1 Title: UG Duct Bank Sections<br>Desc: For Approval | New Item |
| | | 8/10/2011 | | | Dwg: E-U2039 Revision 1 Title: UG Duct Bank Sections<br>Desc: For Approval | New Item |
| | | 9/20/2011 | | | Dwg: E-U2033 Revision 1 Title: UG Duct Bank Sections<br>Desc: For Approval | New Item |

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00817

9189 South Jamaica Street
Englewood, CO 80112

**Date:** 22-Sep-11

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 8/10/2011 | | | Dwg: E-U2119 Revision 1 Title: Elec UG Plan Desc: For Approval | New Item |
| | | 9/20/2011 | | | Dwg: E-U2029 Revision 1 Title: UG Duct Bank Sections Desc: For Approval | New Item |
| | | 9/20/2011 | | | Dwg: E-U2043 Revision 2 Title: UG Duct Bank Sections Desc: For Approval | New Item |

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| E-U2042 - UG Duct Bank Sections | 0 | Dwg: E-U2042 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2044 - UG Duct Bank Sections | 1 | Dwg: E-U2044 Title: UG Duct Bank Sections Desc: For Approval | | New Item |
| E-U2046 - UG Duct Bank Sections | 1 | Dwg: E-U2046 Title: UG Duct Bank Sections Desc: For Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| James Spicer | Mariposa Energy, LLC | E | Jeff Nobe | LG Constructors, Inc. | E |
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | Michele Clark | Bureau Veritas North America, Inc | 1 |

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**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00877

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 30-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Grounding System Study

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**

BVNA: Comments and Documents are due in 15 business days of transmittal date.
ELEC-1-6.0 - MEP 415059 Grounding System Study - PC2

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Received Date: _____

Phone: _____

Email: _____

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| EE-004 - Grounding System Study | 0 | Dwg: EE-004 Title: Grounding System Study Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00877

**Date:** 30-Sep-11

| Copy To: | | Qty: | Copy To: | Qty: |
|---|---|---|---|---|
| Jeff Nobe | LG Constructors, Inc. | E | | |

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*Only signed/sealed hardcopies are to be used for permit, construction or purchase, unless otherwise noted on this transmittal.*

***-- END --***

**LG Constructors**

# Transmittal

LG Constructors, Inc.

**Transmittal No.:** 00877

9189 S. Jamaica Street
Englewood, CO 80112

**Date:** 29-Sep-11

**TO:** Bureau Veritas North America, Inc.
180 Promenade Circle
Suite 150
Sacramento, CA 95834

**Job No:** 415059

**Job Name:** Mariposa Energy Project

**ATTN:** Barbara Tomajic

**The following Data was sent via:** FTP

**REF:** ISSUED FOR APPROVAL
CH2M HILL Grounding System Study

| **Document Codes:** | | | |
|---|---|---|---|
| | D- Design | RD - Record | RDNP - Revise & Resubmit, Do Not Proceed |
| APP - Approval | FAB - Fabrication | RF - Reference | SU - Superseded |
| ASB - As Built | I- Information | R - Review | V - Void |
| B-Bid | PE - Permit | RWC - Reviewed with Comments | X - Comments |
| B/C - Bid/Construction | P - Proceed | RWOC - Rev'd w/o Comments | |
| C- Construction | PU - Purchase | RP - Revise & Proceed as Noted | |

**Transmitted By:** Lisa Gilkes
(E) lisa.gilkes@ch2m.com
(O)

**Transmitted For:** Jeff Nobe

**Comments:**
BVNA: Comments and Documents are due in 15 business days of transmittal date.
ELEC-1-6.0 X1- MEP 415059 Grounding System Study - PC1

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Acknowledgement provided by: _____

Received Date: _____

Phone: _____

Email: _____

| Item No. | Copies | Date | Number | Rev No. | Description | Status |
|---|---|---|---|---|---|---|
| | | 9/28/2011 | | | CBO Comment Response Letter ELEC-1-6.0 - MEP 415059 Grounding System Study - PC1 | New Item |

LG Constructors

# Transmittal

LG Constructors, Inc.

9189 S. Jamaica Street
Englewood, CO 80112

**Transmittal No.:** 00877

**Date:** 29-Sep-11

| Document No.: | Rev No.: | Description: | Designer: | Code: |
|---|---|---|---|---|
| EE-004 - Grounding System Study | 0 | Dwg: EE-004 Title: Grounding System Study Desc: Issued for Approval | | New Item |

| Copy To: | | Qty: | Copy To: | | Qty: |
|---|---|---|---|---|---|
| Kristy Santucci | Bureau Veritas North America, Inc. | E | Les Mathine | LG Constructors, Inc. | E |
| MEP Pwr Gp Mailbox | LG Constructors, Inc. | E | James Spicer | Mariposa Energy, LLC | E |
| Jeff Nobe | LG Constructors, Inc. | E | | | |

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*Only signed/sealed hardcopies are to be used for permit, construction or purchase, unless otherwise noted on this transmittal.*

***-- END --***

# Exhibit 7
# Compliance Matrix

**MARIPOSA ENERGY PROJECT COMPLIANCE MATRIX BASED ON FINAL COMMISSION DECISION**

**September 1-September 30, 2011**

| Item # | Technical Area | Cond. Number | Phase | Description | Verification/Action | Submittal | Submittal Date Required | Expected or Actual Submittal Date | Date of Approval | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AQ | AQ-SC1 | CONS | Designate and retain an on-site Air Quality Construction Mitigation Manager (AQCMM) who shall be responsible for directing and documenting compliance with **AQ-SC3, AQ-SC4, and AQ-SC5** for the entire project site and linear facility construction. The on-site AQCMM may delegate responsibilities to one or more AQCMM delegates. The AQCMM shall not be terminated without written consent of the compliance project manager (CPM). | Submit to the CPM for approval, the name, resume, qualifications, and contact information for the on-site AQCMM and all AQCMM delegates. The AQCMM and all delegates must be approved by the CPM before the start of ground disturbance. | Resume of AQCMM & Delegates | At least 60 days prior to ground disturbance | On-going | NA | In-progress | Additional submittals are required if the AQCMM or delegate are replaced. Also still need to identify PG&E AQCMM prior to start of natural gas line construction (Original submittals complete on 4/8/2011) |
| 2 | AQ | AQ-SC2 | PC | Provide, for approval, an Air Quality Construction Mitigation Plan (AQCMP) that details the steps to be taken and the reporting requirements necessary to ensure compliance with conditions of certification **AQ-SC3, AQ-SC4 and AQ-SC5.** | Submit the AQCMP to the CPM for approval. The CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt. The AQCMP must be approved by the CPM before the start of ground disturbance. | AQCMP | At least 60 days prior to ground disturbance | Complete | 2/28/2011 | Complete | Revised AQCMP submitted 6/20/11 |
| 3 | AQ | AQ-SC3 | CONS | Submit documentation to the CPM in each monthly compliance report (MCR) that demonstrates compliance with mitigation measures (a) through (m) in the Condition for purposes of preventing all fugitive dust plumes from leaving the project site and linear facility routes. Any deviation from the following mitigation measures shall require prior CPM notification and approval. **(See FINAL Conditions for a List of All Measures)** | The MCR shall include: (1) a summary of all actions taken to maintain compliance with this condition; (2) copies of any complaints filed with the air district in relation to project construction; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion, as approved by the CPM. | MCR | Monthly | On-going | NA | In-progress | See page 5-1 of the AQCMP and Section 6 |
| 4 | AQ | AQ-SC4 | PC | AQCMM or delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes with the potential to be transported off the project site, 200 feet beyond the centerline of the construction of linear facilities, or within 100 feet upwind of any regularly occupied structures not owned by the project owner indicate that existing mitigation measures are not providing effective mitigation. The AQCMM or delegate shall then implement Steps 1 through 3 in the Condition in the event such visible dust plumes are observed. **(See FINAL Conditions for a List of All Measures)** | The AQCMP shall include a section detailing how additional mitigation measures will be accomplished within the specified time limits. | see AQ-SC2 | At least 60 days prior to ground disturbance | Complete | NA | Complete | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | AQ | AQ-SC5 | CONS | Submit to the CPM, in the MCR, a construction mitigation report that demonstrates compliance with mitigation measures (a) through (f) in the Condition for purposes of controlling diesel construction related emissions. Any deviation from the mitigation measures shall require prior CPM notification and approval. **(See FINAL Conditions for a List of All Measures)** | Include in the MCR: (1) a summary of all actions taken to maintain compliance with this condition; (2) a list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that the equipment has been properly maintained; and (3) any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion, as approved by the CPM. | MCR | Monthly | On-going | NA | In-progress | |
| 6 | AQ | AQ-SC6a | CONS | Any modification to any project air permit that is proposed by the project owner, the District, or U.S. EPA shall be submitted to the CPM for review and approval. | Submit any proposed air permit modification to the CPM within five working days of either: 1) submittal by the project owner to an agency, or 2) receipt of proposed modifications from an agency. | (If Needed) | Within 5 working days of proposing permit modification | As-needed | NA | As-needed | |
| 7 | AQ | AQ-SC6b | CONS | Any revised permit issued by the District or U.S. EPA for the project shall be submitted to the CPM for review and approval. | Submit all modified air permits to the CPM within 15 days of receipt. | (If Needed) | Within 15 days of receipt of permit revision | As-needed | NA | As-needed | |
| 8 | AQ | AQ-SC7a | PC | Offsets or emission reduction credits (ERCs) in the quantities of at least 22.72 tons per year (tpy) NOx, 2.51 tpy VOC, 8.13 tpy PM10, and 1.10 tpy SOx emissions shall be provided. The NOx and/or VOC ERCs from among BAAQMD Certificate Numbers 1182 and/or 1184, or an alternate certificate, as allowed by this condition [AQ-SC7] shall be surrendered. If additional ERCs are submitted, the project owner shall submit an identification of the additional ERCs to the CPM. CPM approval for any substitutions, modifications, or additions to the listed credits shall be requested. | The project owner shall submit to the CPM records showing that the project's BAAQMD offset requirements have been met prior to initiating construction. | ERC's | Prior to construction | Complete | 5/25/2011 | Complete | |
| 9 | AQ | AQ-SC7b | CONS | To demonstrate that a sufficient quantity of local emission reductions of PM10 and/or SOx occur, a report shall be provided that identifies the feasible timing of the reductions and the ultimate use and cost effectiveness of the $644,503 fee in the Air Quality Mitigation Settlement Agreement executed by the San Joaquin Valley Air Pollution Control District Governing Board, December 17, 2009. If insufficient emission reductions would result from the use of the fee, then the project owner shall expand the scope of the Settlement Agreement and fee or surrender sufficient PM10 and/or SOx ERCs as described in the condition. | The project owner shall submit to the CPM records showing that the local emission reductions achieved by using the SJVAPCD fee are likely to occur prior to initiating operation. | Letter | Prior to Turbine Commissioning | 3/2/2012 | | Not Started | |

| Item # | Technical Area | Cond. Number | Phase | Description | Verification/Action | Submittal | Submittal Date Required | Expected or Actual Submittal Date | Date of Approval | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | AQ | AQ-SC7c | PC | The CPM, in consultation with the District, may approve any such change to the ERC list provided that the project remains in compliance with all applicable laws, ordinances, regulations, and standards, and that the requested change(s) will not cause the project to result in a significant environmental impact. The District must also confirm that each requested change is consistent with applicable federal and state laws and regulations. | If the CPM approves a substitution or modification to the list of ERCs, a statement of the approval shall be filed with the project owner and the Energy Commission docket. The CPM shall maintain an updated list of approved ERCs for the project. | -- | Prior to construction | Complete | 5/25/2011 | Complete | |
| 11 | AQ | AQ-SC8 | OPS | Submit to the CPM quarterly operation reports that include operational and emissions information as necessary to demonstrate compliance with the conditions of certification. The quarterly operation report shall specifically note or highlight incidences of noncompliance. | Submit quarterly operation reports to the CPM and APCO. This information shall be maintained on site for a minimum of five years and shall be provided to the CPM and District personnel upon request. | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 12 | AQ | AQ-SC9 | COMM | The facility shall be operated such that simultaneous commissioning of the combustion turbines will not occur without abatement of nitrogen oxide and CO emissions by its SCR system and oxidation catalyst system. Operation of a combustion turbine during commissioning without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR or Oxidation Catalyst Systems fully operational. | Submit a monthly compliance report to the CPM during the commissioning period demonstrating compliance with this condition. | MCR | Monthly | 5/1/2012 | | Not Started | |
| 13 | AQ | AQ-SC10a | COMM | The diesel fire water pump engine (proposed rating: 220 horsepower) shall be certified as meeting ARB Tier 3 or better standards. Scheduled testing of the fire pump engine shall not occur during operation of any combustion turbine in commissioning mode. Any planned test of the fire pump engine shall last no more than 30 minutes and shall be completed only between 8 a.m. and 11 a.m. standard time. | Submit a monthly compliance report to the CPM during the commissioning period demonstrating compliance with this condition. | MCR | Monthly | 5/1/2012 | | Not Started | |
| 14 | AQ | AQ-SC10b | OPS | The diesel fire water pump engine (proposed rating: 220 horsepower) shall be certified as meeting ARB Tier 3 or better standards. Scheduled testing of the fire pump engine shall not occur during operation of any combustion turbine in commissioning mode. Any planned test of the fire pump engine shall last no more than 30 minutes and shall be completed only between 8 a.m. and 11 a.m. standard time. | Submit a quarterly operation report (AQ-SC8) demonstrating compliance with this condition. | Quarterly Operation Report | Quarterly | On-going | | Not Started | |
| 15 | AQ | AQ-1 | COMM | Minimize emissions of carbon monoxide and nitrogen oxides from S-1, S-2, S-3 and S-4 Gas Turbines to the maximum extent possible during the commissioning period. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | AQ | AQ-2 | COMM | At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the project owner shall tune the S-1, S-2, S-3 and S-4 Gas Turbines combustors to minimize the emissions of carbon monoxide and nitrogen oxides. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 17 | AQ | AQ-3 | COMM | At the earliest feasible opportunity in accordance with the recommendations of the equipment manufacturers and the construction contractor, the project owner shall install, adjust, and operate the A-1, A-3, A-5 and A-7 Oxidation Catalysts and A-2, A-4, A-6 and A-8 SCR Systems to minimize the emissions of carbon monoxide and nitrogen oxides from S-1, S-2, S-3, and S-4 Gas Turbines. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQSC8) | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 18 | AQ | AQ-4 | COMM | Submit a plan to the District Engineering Division and the CEC CPM at least four weeks prior to first firing of S-1, S-2, S-3, and S-4 Gas Turbines describing the procedures to be followed during the commissioning of the gas turbines. The plan shall include the elements outlined in the condition [AQ-4]. The Gas Turbines (S-1, S-2, S-3 or S-4) shall not be fired sooner than 28 days after the District receives the commissioning plan. | Submit a commissioning plan to the CPM and APCO for approval describing the procedures to be followed during the commissioning period and the anticipated duration of each commissioning activity. | Commissioning Plan | At least 4 weeks prior to first firing of the gas turbine | 2/1/2012 | | Not Started | |
| 19 | AQ | AQ-5 | COMM | During the commissioning period, demonstrate compliance with AQ-7, AQ-8, AQ-9, and AQ-10 through the use of properly operated and maintained continuous emission monitors and data recorders for the parameters and emission concentrations listed in this condition [AQ-5]. The monitored parameters shall be recorded, and District-approved calculation methods shall be used, as outlined in this condition. Records shall be retained on site for at least 5 years from the date of entry and such records will be made available to District personnel upon request. **(See FINAL Conditions for a List of All Measures)** | Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4. | see AQ-4 | At least 4 weeks prior to first firing of the gas turbine | 2/1/2012 | | Not Started | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | AQ | AQ-6 | COMM | Install, calibrate, and operate the District-approved continuous monitors specified in AQ-5 prior to first firing of the Gas Turbines (S-1, S-2, S-3 and S-4). After first firing of the turbines, adjust the detection range of these continuous emission monitors as necessary to accurately measure the resulting range of CO and NOx emission concentrations. The instruments shall operate at all times of operation of S-1, S-2, S-3, and S-4 including start-up, shutdown, upset, and malfunction, except as allowed by BAAQMD Regulation 1-522, BAAQMD Manual of Procedures, Volume V. If necessary to comply with this requirement, the project owner shall install dual-span monitors. The type, specifications, and location of these monitors shall be subject to District review and approval. | Make the site available for inspection by representatives of the District, ARB, and the Commission upon request. | -- | Prior to first firing of the Gas Turbines | 02/01/12 | | Not Started | |
| 21 | AQ | AQ-7 | COMM | The Gas Turbines shall not be fired without abatement of nitrogen oxide emissions and/or abatement of CO emissions, as described in this condition. Such operation of any Gas Turbine without abatement shall be limited to discrete commissioning activities that can only be properly executed without the SCR system and/or oxidation catalyst in place. Upon completion of these activities, provide written notice to the District Engineering and Enforcement Divisions and the unused balance of the 200 firing hours for each turbine without abatement shall expire. | Submit to the CPM and APCO for approval the commissioning plan as required in AQ-4. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | see AQ-4 / Quarterly Operation Report | Upon Completion of activities | TBD | | Not Started | |
| 22 | AQ | AQ-8 | COMM | The total mass emissions of nitrogen oxides, carbon monoxide, precursor organic compounds, PM10, and sulfur dioxide that are emitted by the Gas Turbines (S-1, S-2, S-3, and S-4) during the commissioning period shall accrue towards the consecutive twelve-month emission limitations specified in AQ-20. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8) | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 23 | AQ | AQ-9 | COMM | The Gas Turbines (S-1, S-2, S-3, and S-4) shall not be operated in a manner such that the combined pollutant emissions from the turbines will exceed the limits in this condition during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the Gas Turbines. In addition, commissioning activities will be conducted on no more than one turbine/day. | The limits in this condition for NOx and CO both apply. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |

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| 24 | AQ | AQ-9a | COMM | The Gas Turbines (S-1, S-2, S-3, and S-4) shall not be operated in a manner such that the pollutant emissions from each gas turbine will exceed the limits in this condition during the commissioning period. These emission limits shall include emissions resulting from the start-up and shutdown of the Gas Turbines. In addition, commissioning activities will be conducted on no more than one turbine/day. | The limits in this condition for NOx and CO both apply. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 25 | AQ | AQ-10a | COMM | Within 90 days after startup of each turbine, conduct District and CEC approved source tests on that turbine to determine compliance with the emission limitations specified in AQ-17. The source tests shall be conducted and analyzed in accordance with this condition [AQ-10]. | | -- | Within 90 days of startup of each turbine | 5/31/2012 | | Not Started | |
| 26 | AQ | AQ-10b | COMM | Thirty working days before the execution of the source tests, submit to the District and the CEC Compliance Program Manager (CPM) a detailed source test plan for approval. The District and the CEC CPM will notify the project owner of any necessary modifications to the plan within 20 working days of receipt of the plan; otherwise, the plan shall be deemed approved. The Project owner shall incorporate the District and CEC CPM comments into the test plan. | Submit a source test plan to the CPM and APCO for approval as part of the commissioning plan required in AQ-4. | Source Test Plan | 30 working days prior to the source testing date | 4/2/2012 | | Not Started | |
| 27 | AQ | AQ-10c | COMM | Notify the District and the CEC CPM within seven (7) working days prior to the planned source testing date. | | Notification to District | 7 working days prior to the source testing date | 5/18/2012 | | Not Started | |
| 28 | AQ | AQ-10d | COMM | Submit the source test results to the District and the CEC CPM within 60 days of the source testing date. | | Source Test Results | within 60 days of the source testing date | 7/1/2012 | | Not Started | |
| 29 | AQ | AQ-11 | OPS | Fire the Gas Turbines (S-1, S-2, S-3, and S-4) exclusively on PUC-regulated natural gas with a maximum sulfur content of 1 grain per 100 standard cubic feet. To demonstrate compliance with this limit, the operator of S-1, S-2, S-3 and S-4 shall sample and analyze the gas from each supply source at least monthly to determine the sulfur content of the gas. PG&E monthly sulfur data may be used provided that such data can be demonstrated to be representative of the gas delivered to the MEP. | The result of the natural gas fuel sulfur monitoring data and other fuel sulfur content source data shall be submitted to the District and CPM in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 30 | AQ | AQ-12 | OPS | The units shall not be operated such that the heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4) exceeds 481 MMBtu (HHV) per hour. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 31 | AQ | AQ-13 | OPS | The units shall not be operated such that the heat input rate to each Gas Turbine (S-1, S-2, S-3, and S-4) exceeds 11,544 MMBtu (HHV) per day. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | AQ | AQ-14 | OPS | The units shall not be operated such that the combined cumulative heat input rate for the Gas Turbines (S-1, S-2, S-3, and S-4) exceeds 8,128,900 MMBtu (HHV) per year. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 33 | AQ | AQ-15a | OPS | Turbines S-1, S-2, S-3, or S-4 shall not be operated such that the hours of operation for any of the four units exceeds 5,200 hours per year. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 34 | AQ | AQ-15b | OPS | Turbines S-1, S-2, S-3, or S-4 shall not be operated such that the hours of operation for the four units combined exceeds 16,900 hours per year. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 35 | AQ | AQ-16 | OPS | Ensure that each Gas Turbine (S-1, S-2, S-3, S-4) is abated by the properly operated and properly maintained Selective Catalytic Reduction (SCR) System A-2, A-4, A-6, or A-8 and Oxidation Catalyst System A-1, A-3, A-5, or A-7 whenever fuel is combusted at those sources and the corresponding SCR catalyst bed (A-2, A-4, A-6 or A-8) has reached minimum operating temperature. | Make the site available for inspection by representatives of the District, ARB, and the Commission upon request. A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 36 | AQ | AQ-17 | OPS | The Gas Turbines (S-1, S-2, S-3, S-4) shall comply with requirements (a) through (g) in this condition [AQ-17]. Requirements (a) through (f) do not apply during a gas turbine start-up, and shutdown. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 37 | AQ | AQ-18 | OPS | The regulated air pollutant mass emission rates from each of the Gas Turbines (S-1, S-2, S-3, and S-4) during a start-up or shutdown shall not exceed the limits established in this condition (shown in Table 40). Startups shall not exceed 30 minutes. Shutdowns shall not exceed 15 minutes. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 38 | AQ | AQ-19 | OPS | Total combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups and shutdowns, shall not exceed the limits (a) through (d) of this condition during any calendar day. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 39 | AQ | AQ-20 | OPS | Cumulative combined emissions from the Gas Turbines (S-1, S-2, S-3, and S-4), including emissions generated during gas turbine start-ups, shutdowns, and malfunctions shall not exceed the limits (a) through (e) of this condition during any consecutive twelve-month period. Emissions of PM10 from each gas turbine shall be calculated by multiplying turbine fuel usage times an emission factor determined by source testing of the turbine conducted in accordance with Part 26. The emission factor for each turbine shall be based on the average of the emissions rates observed during the 4 most recent source tests on that turbine (or, prior to the completion of 4 source tests on a turbine, on the average of the emission rates observed during all source tests on the turbine). | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |

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| 40 | AQ | AQ-21 | OPS | The maximum projected annual toxic air contaminant emissions (per AQ-24) from the Gas Turbines (S-1, S-2, S-3, S-4) combined shall not exceed the limits in this condition [AQ-21]. A health risk assessment shall be performed using the emission rates determined by the procedures described in this condition. The risk analysis shall be submitted to the District and the CEC CPM within 60 days of the source test date. The project owner may request that the District and the CEC CPM revise the carcinogenic compound emission limits, as described in this condition. If the project owner demonstrates to the satisfaction of the APCO that these revised emission limits will not result in a significant cancer risk, the District and the CEC CPM may, at their discretion, adjust the carcinogenic compound emission limits listed in this condition. | Source test results obtained through compliance with AQ-24 and AQ-28 shall confirm the toxic air contaminant emission rates or the project owner shall submit an updated health risk assessment. | Health Risk Assessment | Within 60 days of the source testing date | 7/1/2012 | | Not Started | |
| 41 | AQ | AQ-22 | OPS | Compliance with AQ-12 through AQ-15, AQ-17(a) through AQ-17(e), AQ-18 (NOx, and CO limits), AQ-19(a), AQ- 19(b), AQ-20(a) and AQ-20(b) shall be demonstrated by using properly operated and maintained continuous monitors (during all hours of operation including gas turbine startup, and shutdown periods). The project owner shall monitor for parameters (a) through (k) of this condition [AQ-22]. | Make the site available for inspection by representatives of the District, ARB and the Commission to verify the continuous monitoring and recordkeeping system is properly installed and operational. | -- | Throughout Operation | On-going | | Not Started | |
| 42 | AQ | AQ-23 | OPS | To demonstrate compliance with AQ-17(f), AQ-17(g), AQ-19(c), AQ-19(d), AQ-20(c), AQ-20(d), AQ-20(e), calculate and record on a daily basis, the mass emissions from each power train as listed in this condition [AQ-23]. Use the criteria listed in this condition to calculate these emissions, and present the calculated emissions in format (a) and (b) of this condition. | Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational. | -- | Throughout Operation | On-going | | Not Started | |
| 43 | AQ | AQ-24 | OPS | To demonstrate compliance with AQ-21, calculate and record on an annual basis the maximum projected annual emissions of: Formaldehyde, Benzene, and Specified PAHs. Calculate the maximum projected annual emissions using the factors described in this condition [AQ-24]. Use of a reduced annual heat input rate to calculate the maximum projected annual emissions shall be subject to District review and approval. | Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational. | -- | Annual | On-going | | Not Started | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | AQ | AQ-25a | COMM | Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint units, conduct a District-approved source test on exhaust point P-1, P-2, P-3, or P-4 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-17(e). (See Condition AQ-25 for purpose and method of test.) Ongoing compliance with AQ-17(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months. | Source Test Results & Field Data | Within 60 days of the source testing | 7/1/2012 | | Not Started | |
| 45 | AQ | AQ-25b | OPS | On an annual basis, conduct a District-approved source test on exhaust point P-1, P-2, P-3, or P-4 to determine the corrected ammonia (NH3) emission concentration to determine compliance with AQ-17(e). (See Condition AQ-25 for purpose and method of test.) Ongoing compliance with AQ-17(e) shall be demonstrated through calculations of corrected ammonia concentrations based upon the source test correlation and continuous records of ammonia injection rate. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months. | Source Test Results & Field Data | Annual Testing/Results Submitted Within 60 days of the source testing | TBD | | Not Started | |
| 46 | AQ | AQ-26a | COMM | Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint units, conduct a District-approved source test on exhaust points P-1, P-2, P-3 and P-4 while each Gas Turbine is operating at maximum load to determine compliance with AQ- 17(a), AQ-17(b), AQ-17(c), AQ-17(d), AQ-17(f), AQ-17(g) and to determine a total particulate matter including condensable particulate matter emission factor, and while each Gas Turbine is operating at minimum load to determine compliance with AQ-17(c), and AQ-17(d) and to verify the accuracy of the continuous emission monitors required in AQ-22. Test for (as a minimum) the elements listed in this condition [AQ-26]. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The project owner may conduct up to four tests per year for total particulate matter including condensable particulate matter. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a pre-approved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months. | Source Test Results & Field Data | Within 60 days of the source testing | 7/1/2012 | | Not Started | |

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| 47 | AQ | AQ-26b | OPS | On an annual basis, conduct a District-approved source test on exhaust points P-1, P-2, P-3 and P-4 while each Gas Turbine is operating at maximum load to determine compliance with AQ-17(a), AQ-17(b), AQ-17(c), AQ-17(d), AQ-17(f), AQ-17(g) and to determine a total particulate matter including condensable particulate matter emission factor, and while each Gas Turbine is operating at minimum load to determine compliance with AQ-17(c), and AQ-17(d) and to verify the accuracy of the continuous emission monitors required in AQ-22. Test for (as a minimum) the elements listed in this condition [AQ-26]. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. The project owner may conduct up to four tests per year for total particulate matter including condensable particulate matter. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a pre-approved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation and at least once every 12 months. | Source Test Results & Field Data | Annual Testing/Results Submitted Within 60 days of the source testing | TBD | | Not Started | |
| 48 | AQ | AQ-27a | OPS | Obtain approval for all source test procedures from the District's Source Test Section and the CEC CPM prior to conducting any tests. Comply with all applicable testing requirements for continuous emission monitors as specified in Volume V of the District's Manual of Procedures. Notify the District's Source Test Section and the CEC CPM in writing of the source test protocols and projected test dates at least 7 days prior to the testing date(s). | Submit the proposed source test plan or protocol for the source tests 7 days prior to the proposed source test date to both the District and CPM for approval. The project owner shall notify the District and CPM no later than seven days prior to the proposed source test date and time. | Proposed Source Test Plan/Protocol & Notification to District | At least 7 days prior to the source testing date(s) | TBD | | Not Started | |
| 49 | AQ | AQ-27b | OPS | Measure the contribution of condensable PM (back half) to any measurement of the total particulate matter or PM10 emissions. However, the project Owner may propose alternative measuring techniques to measure condensable PM such as the use of a dilution tunnel or other appropriate method used to capture semivolatile organic compounds. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. | Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. | Source Test Results | Within 60 days of the source testing | TBD | | Not Started | |
| 50 | AQ | AQ-28a | COMM | Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint gas turbines, conduct a District-approved source test on one of the following exhaust points P-1, P-2, P-3 or P-4 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-21. Also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-24 for any of the compounds listed in this condition [AQ-28] are less than the BAAQMD trigger levels, pursuant to Regulation 2, Rule 5, shown, then the project owner may discontinue future testing for that pollutant. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for toxic air contaminant emissions shall be conducted upon initial operation. | Source Test Results & Field Data | Within 60 days of the source testing | 7/1/2012 | | Not Started | |

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| 51 | AQ | AQ-28b | OPS | On a biennial basis (once every two years), conduct a District-approved source test on one of the following exhaust points P-1, P-2, P-3 or P-4 while the Gas Turbine is operating at maximum allowable operating rates to demonstrate compliance with AQ-21. Also test the gas turbine while it is operating at minimum load. If three consecutive biennial source tests demonstrate that the annual emission rates calculated pursuant to AQ-24 for any of the compounds listed in this condition [AQ-28] are less than the BAAQMD trigger levels, pursuant to Regulation 2, Rule 5, shown, then the project owner may discontinue future testing for that pollutant. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for toxic air contaminant emissions shall be conducted at least once every 24 months. | Source Test Results & Field Data | Biennial Testing/Results Submitted Within 60 days of the source testing | TBD | | Not Started | |
| 52 | AQ | AQ-29 | OPS | Calculate the sulfuric acid mist (SAM) emission rate using the total heat input for the sources and the highest results of any source testing conducted pursuant to AQ-30. If this SAM mass emission limit of AQ-31 is exceeded, utilize air dispersion modeling to determine the impact (in micrograms/cubic meter) of the sulfuric acid mist emissions pursuant to Regulation 2, Rule 2, Section 306. | Make the site available for inspection by representatives of the District, ARB and the Commission to verify the calculation and recordkeeping system is properly installed and operational. The quarterly operation report (AQ-SC8) shall include a determination of the impact if triggered by this condition. | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 53 | AQ | AQ-30a | COMM | Within 90 days of start-up of each of the MEP GE LM-6000 PC Sprint gas turbines, conduct a District-approved source test on two of the four exhaust points P-1, P-2, P-3 and P-4 while each gas turbine is operating at maximum heat input rates to demonstrate compliance with the SAM emission rates specified in AQ-31. Test for (as a minimum) SO2, SO3, and H2SO4. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted upon initial operation. | Source Test Results & Field Data | Within 60 days of the source testing | 7/1/2012 | | Not Started | |
| 54 | AQ | AQ-30b | OPS | On an annual basis, conduct a District-approved source test on two of the four exhaust points P-1, P-2, P-3 and P-4 while each gas turbine is operating at maximum heat input rates to demonstrate compliance with the SAM emission rates specified in AQ-31. Test for (as a minimum) SO2, SO3, and H2SO4. Submit the source test results to the District and the CEC CPM within 60 days of conducting the tests. | The results and field data collected during source tests shall be submitted to the District and CPM within 60 days of testing and according to a preapproved protocol (AQ-27). Testing for steady-state emissions shall be conducted at least once every 12 months. | Source Test Results & Field Data | Annual Testing/Results Submitted Within 60 days of the source testing | TBD | | Not Started | |
| 55 | AQ | AQ-31 | OPS | Sulfuric acid emissions (SAM) from stacks P-1, P-2, P-3, P-4 combined shall not be allowed to exceed 7 tons in any consecutive 12 month period. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 56 | AQ | AQ-32 | COMM | The stack height of emission points P-1, P-2, P-3 and P-4 shall each be at least 79.5 feet above grade level at the stack base. | Make the site available for inspection by representatives of the District, ARB and the Commission. | -- | Throughout Operation | On-going | NA | In-progress | |

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| 57 | AQ | AQ-33 | OPS | Submit all reports to the District (including, but not limited to monthly CEM reports, monitor breakdown reports, emission excess reports, equipment breakdown reports, etc.) as required by District Rules or Regulations and in accordance with all procedures and time limits specified in the Rule, Regulation, Manual of Procedures, or Enforcement Division Policies & Procedures Manual. | Notifications and reports, including the quarterly operation report (AQ-SC8), shall be prepared and submitted in compliance with this condition. | District Reporting | Including, but not limited to monthly and no later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 58 | AQ | AQ-34 | OPS | Maintain all records and reports on site for a minimum of 5 years. These records shall include but are not limited to the reports listed in this condition [AQ-34]. Make all records and reports available to District and the CEC CPM staff upon request. | Make the site available for inspection by representatives of the District, ARB and the Commission. | -- | Throughout Operation | On-going | NA | Not Started | |
| 59 | AQ | AQ-35 | OPS | Notify the District and the CEC CPM of any violations of these permit conditions. Notification shall be submitted in a timely manner in accordance with all applicable District Rules, Regulations, and the Manual of Procedures. Notwithstanding the notification and reporting requirements given in any District Rule, Regulation, or the Manual of Procedures, submit written notification (facsimile is acceptable) to the Enforcement Division within 96 hours of the violation of any permit condition. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8) | (If Needed) | Within 96 hours of violation of permit condition<br>&<br>No later than 30 days following the end of each calendar quarter | As-needed | | As-needed | |
| 60 | AQ | AQ-36 | OPS | Provide adequate stack sampling ports and platforms to enable the performance of source testing. The location and configuration of the stack sampling ports shall comply with the procedures listed in this condition [AQ-36], and shall be subject to BAAQMD review and approval, except that the facility shall provide four sampling ports that are at least 6 inches in diameter in the same plane of each gas turbine stack (P 1, P 2, P 3, P 4). | The project owner shall make the site available for inspection by representatives of the District, ARB and the Commission. | -- | Throughout Operation | TBD | NA | In-progress | |
| 61 | AQ | AQ-37 | CONS | Within 180 days of the issuance of the Authority to Construct for the MEP, contact the BAAQMD Technical Services Division regarding requirements for the continuous emission monitors, sampling ports, platforms, and source tests required by AQ-10, AQ-25, AQ-26, AQ-28 and AQ-30. Conduct all source testing and monitoring in accordance with the District approved procedures. | Contact the District for specifications on monitors, ports, platforms and source tests and submit verification of this contact to the District and CPM with the initial source test protocol (AQ-27). | see AQ-27a | Within 180 days of the ATC and at least 7 days prior to the source testing date(s) | 10/21/2011 | | Not Started | |
| 62 | AQ | AQ-38 | OPS | Comply with the requirement to hold SO2 allowances in 40 CFR 72.9(c)(1) and the continuous emission monitoring requirements of 40 CFR Part 75. | Submit to the CPM and District the results of audits of the monitoring system demonstrating compliance with this condition as part of the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |

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| 63 | AQ | AQ-39 | OPS | Do not exceed 50 hours per year per engine for reliability-related testing. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 64 | AQ | AQ-40 | OPS | Each emergency standby engine shall be operated only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. | A summary of significant operation and maintenance events and monitoring records required shall be included in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 65 | AQ | AQ-41 | OPS | Each emergency standby engine shall be operated only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated, and properly maintained. | Make the site available for inspection by representatives of the District, ARB and the Commission. Include a photograph of each totalizing meter in the quarterly operation report (AQ-SC8). | Quarterly Operation Report | No later than 30 days following the end of each calendar quarter | On-going | | Not Started | |
| 66 | AQ | AQ-42 | OPS | Records: Maintain the monthly records (a) through (e) of this condition [AQ-42] in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request. | Make the site available for inspection by representatives of the District, ARB, and the Commission. | -- | Throughout Operation | On-going | NA | Not Started | |
| 67 | AQ | AQ-43 | OPS | If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the requirements described in this condition [AQ-43] shall apply. | Make the site available for inspection by representatives of the District, ARB, and the Commission. | -- | Throughout Operation | On-going | NA | In-progress | |
| 68 | BIO | BIO-1a | PC | DESIGNATED BIOLOGIST SELECTION: A Designated Biologist shall be assigned to the project, and the resume of the proposed Designated Biologist, with at least 3 references and contact information, shall be submitted to the Energy Commission Compliance Project Manager (CPM) for approval, in consultation with CDFG and USFWS. The Designated Biologist must meet the minimum qualifications (1) through (4) in this condition [BIO-1]. | The specified information shall be submitted at least 60 days prior to the start of any site (or related facilities) mobilization. No site or related facility activities, including pre-construction debris removal, shall commence until an approved Designated Biologist is available to be on site. | DB Resume | At least 60 days prior to the start of site mobilization | Complete | 3/15/2011 | Complete | |

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| 69 | BIO | BIO-1b | CONS | DESIGNATED BIOLOGIST SELECTION | If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to the CPM at least ten (10) working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the CPM to discuss the qualifications and approval of a short-term replacement while a permanent Designated Biologist is proposed to the CPM for consideration. | (If Needed) | At least 10 working days prior to the termination or release of the preceding Designated Biologist | As-needed | NA | As-needed | |
| 70 | BIO | BIO-2a | CONS | DESIGNATED BIOLOGIST DUTIES: The Designated Biologist shall perform the duties (1) through (9) during any site (or related facilities) pre-construction debris removal, mobilization, ground disturbance, grading, construction, operation, and closure activities. The Designated Biologist may be assisted by the approved Biological Monitor(s), but remains the contact for the project owner and CPM. | The Designated Biologist shall submit in the Monthly Construction Compliance Report to the CPM copies of all written reports and summaries that document biological resources activities. | MCR | Monthly | On-going | NA | In-progress | |
| 71 | BIO | BIO-2b | OPS | DESIGNATED BIOLOGIST DUTIES | If actions may affect biological resources during operation, a Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties are determined to be unnecessary by the CPM. | ACR | Annually Throughout Operation | On-going | NA | Not Started | |
| 72 | BIO | BIO-3a | PC | BIOLOGICAL MONITOR QUALIFICATIONS: The project owner's CPM-approved Designated Biologist shall submit the resume, including at least 3 references and contact information, of the proposed Biological Monitors to the CPM for approval, in consultation with CDFG and USFWS. | Submit the specified information to the CDFG and USFWS for review and comment and the CPM for approval no less than 30 days prior to the start of any site (or related facilities) mobilization. The Designated Biologist shall submit a written statement to the CPM confirming that the individual Biological Monitor(s) have been trained including the date when training was completed. | BM's Quals | At least 30 days prior to the start of site mobilization | Complete | 4/29/2011 | Complete | |
| 73 | BIO | BIO-3b | CONS | Enough biological monitors must be on site during pre-construction debris removal, before and during, water supply pipeline, natural gas pipeline, and transmission line construction and prior to fencing the power plant site to collectively meet the minimum qualifications (1) through (3) in this condition [BIO-3]. | If additional biological monitors are needed during construction, the specified information shall be submitted to the CDFG and USFWS for review and comment and the CPM for approval no less than 14 days prior to their first day of monitoring activities. | (If Needed) | No less than 14 days prior to BM's first day of monitoring | As-needed | NA | As-needed | |

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| 74 | BIO | BIO-4 | CONS | DESIGNATED BIOLOGIST AND BIOLOGICAL MONITOR AUTHORITY: The project owner's Construction/Operation Manager shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the biological resources Conditions of Certification. If required by the Designated Biologist and Biological Monitor(s) any activities shall be halted in areas specified by the Designated Biologist. The Designated Biologist shall halt activities in accordance with steps (1) through (3) of this condition [BIO-4]. If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on behalf of the Designated Biologist. | The Designated Biologist or Biological Monitor shall notify the CPM immediately (and no later than the following morning of the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any activities. The project owner shall notify the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the project owner, a determination of success or failure will be made by the CPM within 5 working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CPM that coordination with other agencies will require additional time before a determination can be made. | (If Needed) | Immediately | As-needed | NA | As-needed | |
| 75 | BIO | BIO-5a | PC | WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP): Develop and implement a CPM-approved WEAP as described in this condition [BIO-5]. The specific program can be administered by a competent individual(s) acceptable to the Designated Biologist. | No less than 30 days prior to the start of any site (or related facilities) mobilization, the project owner shall provide to the CPM the final WEAP and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program. | Final WEAP | At least 30 days prior to the start of site mobilization | Complete | 5/25/2011 | Complete | |
| 76 | BIO | BIO-5b | CONS | WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP) | The project owner shall provide in the Monthly Compliance 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. | MCR | Monthly | On-going | NA | In-progress | |
| 77 | BIO | BIO-5c | CONS | WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP) | Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for operational personnel shall be kept on file for 6 months following the termination of an individual's employment. | -- | At least 6 months after the start of commercial operation | On-going | NA | In-progress | |

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| 78 | BIO | BIO-5d | OPS | WORKER ENVIRONMENTAL AWARENESS PROGRAM (WEAP) | Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least 6 months after the start of commercial operation. During project operation, signed statements for operational personnel shall be kept on file for 6 months following the termination of an individual's employment. | -- | At least 6 months after the start of commercial operation | On-going | NA | Not Started | |
| 79 | BIO | BIO-6a | PC | BIOLOGICAL RESOURCES MITIGATION IMPLEMENTATION AND MONITORING PLAN (BRMIMP): Develop a BRMIMP and submit two copies of the proposed BRMIMP to the CDFG and USFWS for review and comment and the CPM for approval and implement the measures identified in the approved BRMIMP. The BRMIMP shall be prepared in consultation with the Designated Biologist and shall identify items (1) through (15) of this condition [BIO-6]. | Provide the specified draft document at least 60 days prior to start of any site (or related facilities) mobilization. The CPM, in consultation with other appropriate agencies, will determine the BRMIMP's acceptability within 45 days of receipt. | Draft BRMIMP | At least 60 days prior to the start of site mobilization | Complete | 6/3/2011 | Complete | |
| 80 | BIO | BIO-6b | PC | BRMIMP | If there are any permits that have not yet been received when the BRMIMP is first submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within 10 days of their receipt by the project owner. Ten days prior to site and related facilities mobilization the revised BRMIMP shall be resubmitted to the CPM. | Revised BRMIMP | At least 10 days prior to the start of site mobilization | Complete | 6/3/2011 | Complete | |
| 81 | BIO | BIO-6c | CONS | BRMIMP | The project owner shall notify the CPM no less than 5 working days before implementing any modifications to the approved BRMIMP to obtain CPM approval. Any changes to the approved BRMIMP must also be approved by the CPM in consultation with other appropriate agencies to ensure no conflicts exist. | (If Needed) | At least 5 working days before implementing modification to approved BRMIMP | As-needed | NA | As-needed | |
| 82 | BIO | BIO-6d | CONS | BRMIMP | Implementation of BRMIMP measures will be reported in the Monthly Compliance Reports by the Designated Biologist (i.e., survey results, construction activities that were monitored, species observed). | MCR | Monthly | On-going | NA | In-progress | |

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| 83 | BIO | BIO-6e | CONS | BRMIMP | Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, 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. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |
| 84 | BIO | BIO-7a | PC | GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Measures (1) through (14) of this condition [BIO-7] shall be implemented to avoid and minimize impacts to biological resources from the proposed project during all phases of the project. | No less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, provide the CPM a letter-report describing the findings of the pre-construction surveys, as specified in this condition [BIO-7]. All mitigation measures and their implementation methods shall be included in the BRMIMP. | Letter Report | At least 10 days prior to ground disturbing activities | Partial Complete | 6/1/2011 | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 85 | BIO | BIO-7b | CONS | GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Implementation of the measures will be reported in the Monthly Compliance Reports by the Designated Biologist. | MCR | Monthly | On-going | NA | In-progress | |
| 86 | BIO | BIO-7c | CONS | GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Within 30 days after completion of project construction, the project owner shall provide to the CPM, for review and approval, a written construction termination report identifying how measures have been completed. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |
| 87 | BIO | BIO-7d | OPS | GENERAL IMPACT AVOIDANCE AND MINIMIZATION MEASURES | The general impact avoidance and minimization measures shall be implemented to avoid impacts to biological resources from the proposed project during site mobilization, preconstruction debris removal, ground disturbance, grading, construction, operation, maintenence, and closure. | ---- | ---- | On-going | NA | Not Started | |

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| 88 | BIO | BIO-8a | PC | PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction nest surveys shall be conducted if construction activities will occur from February 1 through August 31. The Designated Biologist or Biological Monitor shall perform surveys in accordance with the guidelines (1) through (4) of this condition [BIO-8]. | No less than 2 days prior to the start of any ground disturbing activities or construction equipment staging, provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no disturbance buffer zone around the nest. | Letter Report | At least 2 days prior to the start of ground disturbing activities | Partial Complete | 6/2/2011 | Partial Complete | |
| 89 | BIO | BIO-8b | PC | PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES | If active nests are detected during the survey, a monitoring plan shall be submitted to the CDFG and USFWS Migratory Bird Office for review and comment and the CPM for approval. Approval of the plan is required before construction may commence. | Monitoring Plan | Prior to construction | Complete | 6/2/2011 | Complete | |
| 90 | BIO | BIO-8c | CONS | PRE-CONSTRUCTION NEST SURVEYS AND IMPACT AVOIDANCE AND MINIMIZATION MEASURES | If active nests are detected during the survey, a weekly monitoring report shall be submitted to the CPM. | Weekly monitoring reports | Weekly during nesting season | On-going | NA | In-progress | Weekly reports submitted by Todd begininng on 6/21/11. Last report for this nesting season issued on 8/18/11 |
| 91 | BIO | BIO-9a | CONS | SPECIAL-STATUS INVERTEBRATE IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Implement the measures described in this condition [BIO-9] to avoid or minimize impacts to listed fairy shrimp or tadpole shrimp species and habitat. | No less than 10 days prior to ground disturbance, provide a report detailing the locations of buffer zone fencing, and that includes both a figure and photographs showing the location of the fencing. | Buffer Zone Fencing Report | At least 10 days prior to ground disturbing activities | Partial Complete | | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 92 | BIO | BIO-9b | CONS | SPECIAL-STATUS INVERTEBRATE IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Report monthly to the CPM, CDFG, and USFWS for the duration of construction on the implementation of listed branchiopod habitat avoidance and minimization measures. | MCR | Monthly | On-going | NA | In-progress | |
| 93 | BIO | BIO-9c | CONS | SPECIAL-STATUS INVERTEBRATE IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Within 30 days after completion of construction, provide to the CDFG, USFWS, and CPM a written construction termination report identifying how impact minimization measures have been completed. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |

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| 94 | BIO | BIO-10a | PC | CALIFORNIA TIGER SALAMANDER (CTS) AND CALIFORNIA RED-LEGGED FROG (CRLF) IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: The project owner, in consultation with the Designated Biologist, shall prepare and implement a Management Plan, that presents measures to manage the construction site, and related facilities, in a manner to avoid and minimize impacts to CRLF and CTS. The measures should be developed in coordination with the CDFG and USFWS, shall be approved by the CPM (in consultation with the USFWS and CDFG), and shall include, at a minimum, criteria (1) through (2) of this condition [BIO-10]. | No less than 30 days prior to the start of any project-related ground disturbance, provide a final Management Plan to the CPM, CDFG, and USFWS. The final, approved Management Plan shall be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented. | Final CRLF & CTS Management Plan | At least 30 days prior to the start of ground disturbance | Complete | 6/1/2011 | Complete | |
| 95 | BIO | BIO-10b | PC | CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | No less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, provide the CPM a letter-report describing the findings of the pre-construction surveys and containing the information described in this condition. | Letter Report | At least 10 days prior to ground disturbing activities | Partial Complete | | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 96 | BIO | BIO-10c | CONS | CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | Report monthly to the CPM, CDFG and USFWS for the duration of construction on the implementation of CTS and CRLF avoidance and minimization measures. | MCR | Monthly | On-going | NA | In-progress | |
| 97 | BIO | BIO-10d | CONS | CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | Within 30 days after completion of construction, provide to the CDFG and CPM a written construction termination report identifying how mitigation measures described in the plan have been completed. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |
| 98 | BIO | BIO-10e | CONS | CTS AND CRLF IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | Within 60 days of completion of the permanent power plant site fence, submit a figure and photographs to the CPM, CDFG, and USFWS of the CTS and CRLF barrier fence. | Figure / Photographs of barrier fence | Within 60 days of completion of the permanent power plant site fence | 07/30/12 | | Not Started | |
| 99 | BIO | BIO-11a | PC | WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with CRLF and CTS pre-construction surveys. Western pond turtles shall be avoided to the extent possible. Avoidance areas shall be delineated by exclusionary fencing. If western pond turtles are found within project disturbance area that cannot be avoided, they shall be relocated to the CPM (in consultation with CDFG)-approved site. | Submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures. | Survey Report | At least 10 days prior to ground disturbing activities | Partial Complete | | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |

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| 100 | BIO | BIO-11b | CONS | WESTERN POND TURTLE IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Within 30 days after completion of construction of the project linears, the project owner shall provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |
| 101 | BIO | BIO-12a | PC | BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: Implement the measures in this condition [BIO-12] to manage the construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls. Measures include pre-construction surveys, avoidance measures, and a mitigation plan. | The Designated Biologist shall provide to the CPM and CDFG pre-construction survey results within 10 days of the completion of the survey. | Survey Report | Within 10 days of completion of the burrowing owl pre-construction survey. | Partial Complete | 5/31/2011 | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 102 | BIO | BIO-12b | PC | BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | If pre-construction surveys detect burrowing owls within 500 feet of proposed construction activities, the Designated Biologist shall provide to the CPM and CDFG documentation indicating that non-disturbance buffer fencing has been installed no less than 10 days prior to the start of any project-related site disturbance activities. The documentation shall include both a figure and photographs showing the location of the fencing. | Non-disturbance buffer fencing installation documentation | At least 10 days prior to ground disturbing activities | Partial Complete | 5/31/2011 | Partial Complete | Phase 2 fencing report issued to CEC on 8/3/11 |
| 103 | BIO | BIO-12c | PC | BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | If pre-construction surveys detect burrowing owls or active burrowing owl burrows within the project disturbance area, a final Burrowing Owl Mitigation Plan shall be provided to the CPM and CDFG no less than 10 days prior to the start of construction. The measures described in the plan shall be incorporated into the BRMIMP no less than 10 days of completion of the plan, and implemented. | Final BUOW Mitigation Plan | At least 10 days prior to ground disturbing activities | Complete | 5/31/2011 | Complete | |
| 104 | BIO | BIO-12d | CONS | BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | The project owner shall report monthly to the CPM and CDFG for the duration of construction on the implementation of burrowing owl avoidance and minimization measures. | MCR | Monthly | On-going | NA | In-progress | |
| 105 | BIO | BIO-12e | CONS | BURROWING OWL IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: Implement the measures in this condition [BIO-12] to manage the construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls. Measures include pre-construction surveys, avoidance measures, and a mitigation plan. | Within 30 days after completion of construction, provide to the CDFG and CPM a written construction termination report identifying how mitigation measures, including those measures described in the mitigation plan, if a plan was required, have been completed. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |

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| 106 | BIO | BIO-13a | PC | AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES: Pre-construction surveys shall be conducted concurrent with the San Joaquin kit fox and burrowing owl pre-construction surveys. Surveys shall be conducted as described in this condition [BIO-13]. Den avoidance, monitoring, and destruction methods shall adhere to those prescribed for San Joaquin kit fox in Condition BIO-14. | Submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures. | Survey Report | At least 10 days prior to ground disturbing activities | Partial Complete | 6/1/2011 | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 107 | BIO | BIO-13b | CONS | AMERICAN BADGER IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Within 30 days after completion of construction of the project, provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed. | Construction Closure Report | Within 30 days after completion of project construction | 7/14/2012 | | Not Started | |
| 108 | BIO | BIO-14a | PC | SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN: Prepare and implement a San Joaquin kit fox Management Plan that includes pre-construction surveys, exclusion zones, destruction of dens guidance, and other construction and operational requirement measures, as described in this condition [BIO-14]. The measures shall be developed in cooperation with USFWS and CDFG. | Submit to the CPM, CDFG, and USFWS the final San Joaquin Kit Fox Management Plan no less than 30 days prior to the start of ground disturbing activities or construction equipment staging. The mitigation measures in the final San Joaquin Kit Fox Management Plan shall be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented. | Final San Joaquin Kit Fox Management Plan | At least 30 days prior to the start of ground disturbance | Complete | 6/1/2011 | Complete | |
| 109 | BIO | BIO-14b | PC | SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | The project owner shall submit the resume and qualifications of the proposed biologist(s) to the CDFG and USFWS for review and comment and the CPM for approval no less than 30 days prior to the start of preconstruction surveys | See BIO-1a | At least 30 days prior to the start of preconstruction surveys | Complete | 4/29/2011 | Complete | |
| 110 | BIO | BIO-14c | PC | SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | The project owner shall submit a report to the CPM and CDFG at least 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed minimization measures. | Survey Report | At least 10 days prior to ground disturbing activities | Partial Complete | 6/1/2011 | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 111 | BIO | BIO-14d | CONS | SAN JOAQUIN KIT FOX IMPACT AVOIDANCE AND MINIMIZATION MEASURES AND MANAGEMENT PLAN | No less than 30 days after completion of construction of the project linears, the project owner shall provide to the USFWS, CDFG, and CPM a written construction termination report identifying how impact minimization measures in the plan have been completed. | Construction Closure Report | Within 30 days after completion of construction of project linears | 1/13/2012 | | Not Started | |

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| 112 | BIO | BIO-15a | PC | SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES: If construction is proposed during the Swainson's hawk breeding season (March-August), a pre-construction nest survey shall be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests in the project site vicinity. Surveys shall be conducted as described in this condition [BIO-15]. | Submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground disturbing activities or construction equipment staging, that describes when Swainson's hawk surveys were completed, identification and qualifications of the biologist conducting the surveys, observations, and, if required, updates to the BRMIMP based upon findings. | Survey Report | At least 10 days prior to ground disturbing activities | Partial Complete | 6/2/2011 | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11, Ph 2 on 7/21/11, Ph 2,5 survey completed on 9/29 for gas line . Phase 2 fencing report issued to CEC on 8/3/11 |
| 113 | BIO | BIO-15b | PC | SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES: If active nests are found within 1/2 mile of the project disturbance area, an initial temporary nest disturbance buffer shall be established. If project related activities within the temporary nest disturbance buffer are determined to be necessary during the nesting season (approximately March 1 and September 1), then a biologist experienced with raptor behavior shall be retained by the project owner to monitor the nest, and shall along with the project owner, consult with the CPM and CDFG | If project-related work is required within a Swainson's hawk nest buffer, the project owner shall submit the name and qualification of the proposed monitor to the CDFG for comment and the CPM for approval no less than 30 days prior to disturbance within the nest buffer. The designated biologist shall contact the CPM and CDFG within 2 days of a work stoppage due to disturbance to the nesting Swainson's hawks | Biologist Name/Quals | At least 30 days prior to disturbance within the nest buffer | Complete | 4/29/2011 | Complete | |
| 114 | BIO | BIO-15C | CONS | SWAINSON'S HAWK IMPACT AVOIDANCE AND MINIMIZATION MEASURES | No less than 30 days after completion of construction within the nest buffer, the project owner shall provide to the CDFG and CPM a written construction termination report identifying the results of monitoring during disturbance within the nest buffer. | Construction Closure Report | Within 30 days after completion of construction within the nest buffer | 7/14/2012 | | Not Started | |
| 115 | BIO | BIO-16a | PC | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS: In order to mitigate for impacts to wetlands and habitat loss and potential take of listed species, provide compensatory mitigation at the ratios listed in Table 16 of this condition [BIO-16]. Provide Security as described in Section A of this condition, or purchase credits in an approved conservation bank, as described in Section B. | If the mitigation actions required under Section A or Section B of this condition are not completed prior to the start of ground-disturbing activities, provide the CPM with an approved Security in accordance with this condition, no less than 30 days prior to beginning project ground-disturbing activities. | Required Mitigation Actions or Approved Security | At least 30 days prior to the start of ground disturbing activities | Complete | 5/23/2011 | Complete | |
| 116 | BIO | BIO-16b | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section A: Agreements to delegate land acquisition to an approved third party shall be implemented within 6 months of the start of project ground-disturbing activities. | Third Party Agreements | Within 6 months of the start of ground disturbing activities | 11/3/2011 | NA | As-needed | |
| 117 | BIO | BIO-16c | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section A: If the project owner elects to delegate land acquisition prior to project construction, the project owner shall provide to the CPM, CDFG, and USFWS a delegation proposal, as described in this condition, and shall obtain approval from the CPM, in consultation with CDFG and USFWS, prior to delegation or transfer of funds. | Delegation Proposal | Prior to delegation or transfer of funds for wetland and special-status species mitigation | As-needed | NA | As-needed | When land is used and letter of credit goes away. |

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| 118 | BIO | BIO-16d | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section A: No less than 90 days prior to acquisition of the property, submit a formal acquisition proposal to the CPM, CDFG, USFWS, describing the parcels intended for purchase and obtain approval from the CPM, CDFG and USFWS, prior to the acquisition. | Formal Acquisition Proposal | At least 90 days prior to acquisition of wetlands and special-status species mitigation property | TBD | | As-needed | |
| 119 | BIO | BIO-16e | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section A: Provide written verification to the CPM, CDFG, and USFWS of the compensation lands acquisition and transfer within 18 months of the start of project ground-disturbing activities, or prior to commercial operation, whichever occurs first. | Verification of Compensation Lands Acquisition | Within 18 months of the start of project ground disturbing activities, or prior to commercial operation, whichever occurs first. | 5/31/2012 | | As-needed | |
| 120 | BIO | BIO-16f | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section A: Provide the CPM, CDFG, and USFWS with a Compensation Lands Management Plan, for approval, within 180 days of the land or easement purchase, as determined by the date on the title. If additional long-term management fees are required, these fees shall be paid by the project owner no more than 90 days from approval of the Management Plan. | Compensation Lands Management Plan & Fees | Within 180 days of the wetlands and special-status species mitigation land or easement purchase | TBD | | As-needed | |
| 121 | BIO | BIO-16g | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section A: Within 90 days after completion of all project related ground disturbance, provide to the CPM, CDFG, and USFWS an analysis, based on aerial photography, with the final accounting of the amount of habitat disturbed during project construction. This shall be the basis for the final number of acres required to be acquired. | Final account of habitat disturbed during construction | Within 90 days after completion of all project related ground disturbance | 08/29/12 | | As-needed | Todd after grading or after paving |
| 122 | BIO | BIO-16h | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section B: No less than 90 days prior to purchase of credits, submit to the CPM and CDFG for review and approval and the USFWS for review and comment the proposed conservation bank(s), species to be mitigated at the bank, and evidence that credits are available for purchase. | Proposed Conservation Bank, Species and available credits | At least 90 days prior to purchase of wetland and special-status species mitigation credits | TBD | | As-needed | |
| 123 | BIO | BIO-16i | CONS | COMPENSATORY MITIGATION FOR IMPACTS TO SPECIAL-STATUS WILDLIFE SPECIES AND WETLANDS | If mitigation is under Section B: Complete and provide written verification, as specified in this condition, to the CPM, CDFG, and USFWS of the credit purchase within 18 months of the start of project ground-disturbing activities, or prior to commercial operation, whichever occurs first. | Verification of Credit Purchase | Within 18 months of the start of project ground-disturbing activities, or prior to commercial operation, whichever occurs first | 5/31/2012 | | As-needed | |

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| 124 | BIO | BIO-17a | PC | WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES: To avoid and minimize impacts to wetlands and waters, implement measures (1) through (11) of this condition [BIO-17]. | No less than 10 days prior to ground disturbance, provide the CPM, CDFG, and USFWS with a report identifying the location of any protective fencing, including a figure and photographs that show the fencing. | Fencing Report & Figures | At least 10 days prior to ground disturbing activities | Partial Complete | 4/29/2011 | Partial Complete | Phase 1 survey submitted 6/1/11. Additional Surveys for Ph 1.5 submitted 7/6/11, Ph 1.75 on 7/11 and Ph 2 on 7/21/11. Gas line surveys still to be completed. Phase 2 fencing report issued to CEC on 8/3/11 |
| 125 | BIO | BIO-17b | PC | WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES | If bentonite will be used, an Emergency Spill Response Plan, "Frac out" Monitoring Plan, and a Biological Monitoring Plan shall be submitted to the CDFG for review and comment and to the CPM for approval no less than 30 days prior to the start of project ground-disturbing activities. Plan approval shall be required before construction using bentonite may commence. | If Bentonite - Emergency Spill Response Plan, "Frac out" Monitoring Plan, and a Biological Monitoring Plan | At least 30 days prior to the start of ground disturbance | Complete | | Complete | Not Using Bentonite |
| 126 | BIO | BIO-17c | CONS | WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Report monthly to the CPM, CDFG and USFWS for the duration of construction on the implementation avoidance and minimization measures. | MCR | Monthly | On-going | NA | In-progress | |
| 127 | BIO | BIO-17d | CONS | WATERS AND WETLANDS IMPACT AVOIDANCE AND MINIMIZATION MEASURES | Within 30 days after completion of construction the project owner shall provide to the USFWS, CDFG and CPM a written construction termination report identifying how mitigation measures have been completed. | Construction Closure Report | Within 30 days after completion of construction | 7/14/2012 | | Not Started | |
| 128 | BIO | BIO-18 | CONS | REVEGETATION AND RESTORATION: Revegetate all temporarily affected areas, as described in measures (1) through (4) of this condition [BIO-18]. | Within 30 days after completion of restoration, provide to the USFWS, CDFG and CPM a written report identifying revegetation has been completed. | Revegetation Report | Within 30 days after completion of restoration | TBD | | In progress | Revegetation plan drafted as part of VIS-2 |
| 129 | CUL | CUL-1a | PC | Obtain the services of an on-call Cultural Resources Specialist (CRS) and, if needed, Cultural Resources Monitors (CRMs) and other technical specialists. The CRS shall preform duties as described in this condition [CUL-1]. No ground disturbance shall occur prior to Compliance Project Manager (CPM) approval of the CRS and alternates, unless such activities are specifically approved by the CPM. | At least 45 days prior to the start of ground disturbance, submit the resume for the CRS, and alternate(s) if desired, to the CPM for review and approval. At least 10 days prior to the start of ground disturbance, confirm in writing to the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources conditions. | CRS & Alternates Resume / Confirmation of onsite CRS | At least 45 days prior to the start of ground disturbance | Complete | 4/19/2011 | Complete | |

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| 130 | CUL | CUL-1b | CONS | Obtain the services of an on-call CRS and, if needed, CRMs and other technical specialists. The CRS shall preform duties as described in this condition [CUL-1]. No ground disturbance shall occur prior to CPM approval of the CRS and alternates, unless such activities are specifically approved by the CPM. | At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS, submit the resume of the proposed new CRS to the CPM for review and approval. At the same time, also provide to the proposed new CRS the AFC and all materials described in this condition. If the CRS is terminated and there is no alternate CRS in place to conduct the duties of the CRS, a previously approved monitor may serve in place of a CRS so that project-related ground disturbance may continue up to a maximum of 3 days without a CRS. If cultural resources are discovered then ground disturbance will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance. | (If Needed) | At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS | As-needed | NA | As-needed | |
| 131 | CUL | CUL-1c | PC | -- | At least 20 days prior to ground disturbance, the CRS shall provide a letter naming anticipated CRMs for the project and stating that the identified CRMs meet the minimum qualifications for cultural resources monitoring required by this condition. At least 5 days prior to additional CRMs beginning on-site duties during the project, the CRS shall provide additional letters to the CPM identifying the CRMs and attesting to their qualifications. | Letter | At least 20 days prior to ground disturbance | Complete | 5/16/2011 | Complete | |
| 132 | CUL | CUL-1d | CONS | -- | At least 10 days prior to any technical specialists beginning tasks, the resume(s) of the specialists shall be provided to the CPM for review and approval. | As needed technical specialists Quals | At least 10 days prior to any technical specialists beginning tasks | As-needed | NA | As-needed | |
| 133 | CUL | CUL-2a | PC | Prior to the start of ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM. | At least 40 days prior to the start of ground disturbance, provide the AFC, data responses, and confidential cultural resources documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities. At least 15 days prior to the start of ground disturbance (of each phase of a phased project), if there are changes to any project-related footprint, provide revised maps and drawings for the changes to the CRS and CPM. | Maps and drawings | At least 40 days prior to the start of ground disturbance | Complete | 5/4/2011 | Complete | |

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| 134 | CUL | CUL-2b | CONS | Prior to the start of ground disturbance, the start of each phase, and weekly, provide the CRS with the materials described in this condition [CUL-2]. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless such activities are specifically approved by the CPM. | Weekly during ground disturbance, a current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, e-mail, or fax. Within 5 days of changing the scheduling of phases of a phased project, provide written notice of the changes to the CRS and CPM. | Current schedule | Weekly during ground disturbance | On-going | NA | In-progress | |
| 135 | CUL | CUL-3a | PC | Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by or under the direction of the CRS and as described in this condition [CUL-3], to the CPM for review and approval. Implementation of the CRMMP shall be the responsibility of the CRS and the project owner. No ground disturbance shall occur prior to CPM approval of the CRMMP, unless such activities are specifically approved by the CPM. | Upon approval of the CRS proposed by the project owner, the CPM will provide to the CRS an electronic copy of the draft model CRMMP. At least 30 days prior to the start of ground disturbance, submit the CRMMP to the CPM for review and approval. | Draft CRMMP | At least 30 days prior to the start of ground disturbance | Complete | 5/31/2011 | Complete | Revised CRMMP submitted 6/21/11 |
| 136 | CUL | CUL-3b | PC | -- | At least 30 days prior to the start of ground disturbance, a letter shall be provided to the CPM indicating that the project owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations (survey, monitoring, testing, data recovery). | Letter confirming agreement to pay curation fees | At least 30 days prior to the start of ground disturbance | Complete | 3/29/2011 | Complete | |
| 137 | CUL | CUL-3c | CONS | Copies of the CRMMP shall reside with the CRS, alternate CRS, each CRM, and the project owner's on-site construction manager. | CRMMP | -- | Throughout Construction | On-going | | In-progress | |
| 138 | CUL | CUL-4a | CONS | Submit the final Cultural Resources Report (CRR) to the CPM for approval, if preparation of a CRR becomes necessary. The final CRR shall be prepared as described in this condition [CUL-4]. | Within 90 days after completion of ground disturbance (including landscaping), submit the final CRR to the CPM for review and approval. If any reports have previously been sent to the CHRIS, then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix. | Final CRR | Within 90 days after completion of ground disturbance | 08/29/12 | | Not Started | |
| 139 | CUL | CUL-4b | CONS | -- | Within 90 days after completion of ground disturbance, if cultural materials requiring curation were collected, the project owner shall provide to the CPM a copy of an agreement with, or other written commitment from, a curation facility that meets the standards stated in the California State Historical Resources Commission's Guidelines for the Curation of Archaeological Collections, to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project. | Commitment from Curation Facility | Within 90 days after completion of ground disturbance, Only if materials were collected during grading | TBD | | Not Started | |

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| 140 | CUL | CUL-4c | CONS | -- | Within 10 days after CPM approval of the CRR, 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. | Confirmation that CRR has been provided to required agencies | Within 10 days after CPM approval of the CRR | TBD | | Not Started | |
| 141 | CUL | CUL-4d | CONS | If the project owner requests a suspension of ground disturbance and/or construction activities, then a draft CRR that covers all cultural resources activities associated with the project shall be prepared by the CRS and submitted to the CPM for review and approval on the same day as the suspension/extension request. The draft CRR shall be retained at the project site in a secure facility until ground disturbance and/or construction resumes or the project is withdrawn. If the project is withdrawn, then a final CRR shall be submitted to the CPM for review and approval at the same time as the withdrawal request. | Within 30 days after requesting a suspension of construction activities, submit a draft CRR to the CPM for review and approval. | Draft CRR | Within 30 days after requesting a suspension of construction activities | TBD | | Not Started | |
| 142 | CUL | CUL-5a | PC | Prior to and for the duration of ground disturbance, provide Worker Environmental Awareness Program (WEAP) training, as described in the condition [CUL-5] to all new workers within their first week of employment. | At least 30 days prior to the beginning of ground disturbance, the CRS shall provide the training program draft text and graphics and the informational brochure to the CPM for review and approval. At least 15 days prior to the beginning of ground disturbance, the CPM will provide to the project owner a WEAP Training Acknowledgment form for each WEAP-trained worker to sign. | Draft WEAP | At least 30 days prior to the beginning of ground disturbance | Complete | 4/19/11<br>4/19/11 | Complete | |
| 143 | CUL | CUL-5b | CONS | -- | Monthly, until ground disturbance is completed, provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgment 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. | Signed WEAP Training Forms | Monthly | On-going | NA | In-progress | |

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| 144 | CUL | CUL-6a | PC | The CRS, alternate CRS, or CRMs shall monitor full time, as described in this condition [CUL-6], all ground disturbances in the area where a CRHR-eligible cultural resources discovery has been made. The CRMs shall keep a daily log of monitoring and other cultural resources activities, as specified in this condition. As described in this condition, archaeological monitoring of all earth-moving activities shall be implemented, if deemed necessary, in the areas specified in this condition, for as long as the CPM requires. The research design in the CRMMP shall govern the collection, treatment, retention/disposal, and curation of any archaeological materials encountered during archaeological monitoring. From the daily monitoring logs, the CRS shall compile a monthly monitoring summary report to be included in the MCR, as specified in this condition. | At least 30 days prior to the start of ground disturbance, the CPM will provide to the CRS an electronic copy of a form to be used as a daily monitoring log. | Daily Monitoring Log | 30 Days Prior to Start of Ground Disturbance | Complete | 4/19/2011 | Complete | |
| 145 | CUL | CUL-6b | CONS | -- | Monthly, while monitoring is on-going, include in each MCR a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS and attach any new DPR 523A forms completed for finds treated prescriptively, as specified in the CRMMP. | MCR | Monthly | On-going | NA | In-progress | |
| 146 | CUL | CUL-6c | CONS | In the event that the CRS believes that a current level of monitoring is not appropriate, a letter or e-mail detailing the justification for changing the level of monitoring shall be provided to the CPM for review and approval prior to any change in the level of monitoring. | At least 24 hours prior to implementing a proposed change in monitoring level, submit to the CPM, for review and approval, a letter or e-mail detailing the CRS's justification for changing the monitoring level. | (If Needed) | At least 24 hours prior to implementing a proposed change in monitoring level | As-needed | NA | As-needed | |
| 147 | CUL | CUL-6d | CONS | The CRS or alternate CRS shall report daily to the CPM on the status of the project's cultural resources-related activities, unless reducing or ending daily reporting is requested by the CRS and approved by the CPM. | Daily, as long as no cultural resources are found, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CPM as an e-mail or in some other form of communication acceptable to the CPM. | Statement of non-discovery | | Daily | | Not Started | |
| 148 | CUL | CUL-6e | CONS | -- | At least 24 hours prior to reducing or ending daily reporting, submit to the CPM, for review and approval, a letter or e-mail (or some other form of communication acceptable to the CPM) detailing the CRS's justification for reducing or ending daily reporting. | Written Justification | At least 24 hours prior to reducing or ending daily reporting | TBD | | Not Started | |

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| 149 | CUL | CUL-6f | CONS | An effort shall be made, as specified in this condition, to obtain a Native American representative to monitor ground disturbance in areas where Native American artifacts may be discovered. | No later than 30 days following the discovery of any Native American cultural materials, submit to the CPM copies of the information transmittal letters sent to the Chairpersons of the Native American tribes or groups who requested the information. Additionally, submit to the CPM copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records. | (If Needed) | Within 30 days after discovery of Native American cultural materials | As-needed | NA | As-needed | |
| 150 | CUL | CUL-6g | CONS | -- | Within 15 days of receiving them, submit to the CPM copies of any comments or information provided by Native Americans in response to the project owner's transmittals of information. | (If Needed) | Within 15 days of receiving comments or information provided by Native Americans | As-needed | NA | As-needed | |
| 151 | CUL | CUL-6h | CONS | The CRS, may informally discuss cultural resource activities with Energy Commission technical staff. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS, or direction to a monitor to relocate monitoring activities by anyone other than the CRS shall be considered non compliance. Upon becoming aware of any incidents of non-compliance, the CPM shall be notified within 24 hours. The CRS shall also recommend corrective action. | - | (If Needed) | Within 24 hours of non-compliance | As-needed | NA | As-needed | |
| 152 | CUL | CUL-6i | CONS | If an incident of non-compliance occurs, when the issue is resolved, the CRS shall write a report describing the issue, the resolution of the issue, and the effectiveness of the resolution measures. This report shall be provided in the next MCR for the review of the CPM. | - | (If Needed) | The next MCR after a non-compliance issue occurs | As-needed | NA | As-needed | |
| 153 | CUL | CUL-7a | PC | The CRS, alternate CRS, and CRMs shall have authority to halt project-related ground disturbance in the event of a cultural resource discovery. Employees are to halt work on their own in the vicinity of a potential cultural resource discovery and shall contact their supervisor and the CRS or CRM. | At least 30 days prior to the start of ground disturbance, provide the CPM and CRS with a letter confirming that the CRS, alternate CRS, and CRMs have the authority to halt project-related ground disturbance in the vicinity of a cultural resources 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. | Letter of confirmation | At least 30 days prior to the start of ground disturbance | Complete | 3/29/2011 | Complete | |

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| 154 | CUL | CUL-7b | CONS | In the event of a discovery, the halting or redirection of ground disturbance shall remain in effect until the CRS has visited the discovery, and measures (1) through (4) of this condition [CUL-7] have occurred. | Within 48 hours of the discovery of an archaeological or ethnographic resource, the project owner shall ensure that the CRS notifies all Native American groups that expressed a desire to be notified in the event of such a discovery. | (If Needed) | Within 48 hours of the discovery of an archaeological or ethnographic resource | As-needed | NA | As-needed | |
| 155 | CUL | CUL-7c | CONS | -- | Unless the discovery can be treated prescriptively, as specified in the CRMMP, completed DPR 523 forms for resources newly discovered during ground disturbance shall be submitted to the CPM for review and approval no later than 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate for the subject cultural resource. | (If Needed) | Within 24 hours following the notification of the CPM, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate | As-Needed | NA | As-needed | |
| 156 | CUL | CUL-8a | CONS | If fill soils must be acquired from or disposed to a non-commercial borrow site without a less-than-five-year-old survey, the CRS shall survey the site(s) for cultural resources and record on DPR 523 forms any that are identified. | As soon as the project owner knows that a non-commercial borrow site and/or disposal site will be used, he/she shall notify the CRS and CPM and provide documentation of previous archaeological survey, if any, dating within the past five years, for CPM approval. | Notification to CRS & CPM/ Previous surveys | As soon as the project owner knows that a non-commercial borrow site and/or disposal site will be used | As-needed | NA | As-needed | |
| 157 | CUL | CUL-8b | CONS | When the survey is completed, the CRS shall convey the results and recommendations for further action to the project owner and the CPM, who will determine what, if any, further action is required. If the CPM determines that significant archaeological resources that cannot be avoided are present at the borrow site, other conditions shall apply. The CRS shall report on the methods and results of these surveys in the final CRR | In the absence of documentation of recent archaeological survey, at least 30 days prior to any soil borrow or disposal activities on the non-commercial borrow and/or disposal sites, the CRS shall survey the site/s for archaeological resources. The CRS shall notify the project owner and the CPM of the results of the cultural resources survey, with recommendations, if any, for further action. | Notification of survey results & recommendations | At least 30 days prior to any soil borrow or disposal activities on the non-commercial borrow and/or disposal sites | As-needed | NA | As-needed | |
| 158 | HAZ | HAZ-1 | OPS | Any hazardous materials not listed in Appendix B shall not be used, or in greater quantities or strengths than those identified by chemical name in Appendix B, unless approved in advance by the CPM. | Provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility. | ACR | Annually | On-going | | Not Started | |
| 159 | HAZ | HAZ-2b | CONS | Copies of the final Business Plan, SPCC Plan, and RMP shall be provided to the ACDEH and the Alameda County Fire Department (ACFD) for information and to the CPM for approval. | At least 30 days prior to delivery of aqueous ammonia to the site, provide the final RMP to the ACDEH and the ACFD for information and to the CPM for approval. | Final HMBP, SPCC and RMP | At least 30 days prior to receiving any hazardous material / aqueous ammonia on the site | 1/1/2012 | | Not Started | |
| 160 | HAZ | HAZ-3 | CONS | Develop and implement a Safety Management Plan, as outlined in this condition [HAZ-3] for delivery of aqueous ammonia and other liquid hazardous materials by tanker truck. | At least 30 days prior to the delivery of any liquid hazardous material to the facility, provide a Safety Management Plan as described in this condition to the CPM for review and approval. | Safety Management Plan | At least 30 days prior to the delivery of any liquid hazardous material to the facility | 1/1/2012 | | Not Started | |

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| 161 | HAZ | HAZ-4 | CONS | The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620, as described in this condition [HAZ-4]. | At least 60 days prior to delivery of aqueous ammonia to the facility, submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the CPM for review and approval. | Final design drawings/specs of ammonia storage tank & secondary containment | At least 60 days prior to delivery of aqueous ammonia to the facility | 12/2/2011 | | In-Progress | Specifications submitted and approved by CBO on 5/12/2011. Tank drawings will be submitted in October |
| 162 | HAZ | HAZ-5 | CONS | All vendors delivering aqueous ammonia to the site shall use only tanker truck transport vehicles which meet or exceed the specifications of DOT Code MC-307. | At least 30 days prior to receipt of aqueous ammonia on site, submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval. | Notification letters re: transport vehicle specs | At least 30 days prior to receipt of aqueous ammonia on site | 1/1/2012 | | Not Started | |
| 163 | HAZ | HAZ-6 | PC | Prior to commencing construction, a site-specific Construction Site Security Plan for the construction phase shall be prepared and made available to the CPM for review and approval. The Construction Security Plan shall include items (1) through (3) of this condition [HAZ-6]. | At least 30 days prior to commencing construction, notify the CPM that a site-specific Construction Security Plan is available for review and approval. | Notification of Security Plan Availability | At least 30 calendar days prior to start of construction | Complete | 5/16/2011 | Complete | |
| 164 | HAZ | HAZ-7a | CONS | Prepare a site-specific security plan, as described in this condition [HAZ-7], for the commissioning and operational phases that will be available to the CPM for review and approval. The level of security to be implemented shall not be less than that described in (1) through (6) of this condition (as per NERC 2002). Fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans. | At least 30 days prior to the initial receipt of hazardous materials on site, notify the CPM that a site-specific operations site security plan is available for review and approval. | Notification of Site Specific Operations Security Plan Availability | At least 30 days prior to the initial receipt of hazardous materials on site | 1/1/2012 | | Not Started | |
| 165 | HAZ | HAZ-7b | OPS | Revise the existing or prepare a new site-specific security plan, as described in this condition [HAZ-7], for the commissioning and operational phases that will be available to the CPM for review and approval. The level of security to be implemented shall not be less than that described in (1) through (6) of this condition (as per NERC 2002). Fully implement the security plans and obtain CPM approval of any substantive modifications to those security plans. | In the annual compliance report, include a statement that all current project employee and appropriate contractor background investigations have been performed, and that updated certification statements have been appended to the operations security plan. In the annual compliance report, include a statement that the operations security plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations. | ACR | Annually | On-going | | Not Started | |

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| 166 | HAZ | HAZ-8a | CONS | The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve "flammable gas blows" where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging shall be used. Exceptions to any of these provisions will be made only if no other satisfactory method is available, and then only with the approval of the CPM. | At least 30 days before any fuel gas pipe cleaning activities involving fuel gas pipe of four-inch or greater external diameter, submit a copy of the Fuel Gas Pipe Cleaning Work Plan which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval. | Fuel Gas Pipe Cleaning Work Plan | At least 30 days before fuel gas pipe cleaning activities | 11/16/2011 | | Not Started | |
| 167 | HAZ | HAZ-8b | OPS | The project owner shall not allow any fuel gas pipe cleaning activities on site, either before placing the pipe into service or at any time during the lifetime of the facility, that involve "flammable gas blows" where natural (or flammable) gas is used to blow out debris from piping and then vented to atmosphere. Instead, an inherently safer method involving a non-flammable gas (e.g. air, nitrogen, steam) or mechanical pigging shall be used. Exceptions to any of these provisions will be made only if no other satisfactory method is available, and then only with the approval of the CPM. | At least 30 days before any fuel gas pipe cleaning activities involving fuel gas pipe of four-inch or greater external diameter, submit a copy of the Fuel Gas Pipe Cleaning Work Plan which shall indicate the method of cleaning to be used, what gas will be used, the source of pressurization, and whether a mechanical PIG will be used, to the CBO for information and to the CPM for review and approval. | Fuel Gas Pipe Cleaning Work Plan | At least 30 days before fuel gas pipe cleaning activities | 11/16/2011 | | Not Started | |
| 168 | LAND | LAND-1a | PC | The water supply pipeline on the Byron Bethany Irrigation District (BBID) property shall be constructed in compliance with BBID standards, including a minimum three foot cover. Construction shall be scheduled so as not to conflict with agricultural operations. | At least 30 calendar days prior to start of construction, submit to the CPM for review and approval, (1) documentation showing construction of the section of water supply pipeline on the BBID property will be carried out consistent with BBID's standards for pipeline construction and (2) a construction schedule that does not conflict with the agricultural use of the land. | Documentation re: Water Pipeline & construction schedule | At least 30 calendar days prior to start of construction | Complete | 4/28/2011 | Complete | |
| 169 | LAND | LAND-1b | CONS | Once construction of the water supply pipeline has been completed, the land shall be returned to pre-construction site conditions. | Once construction is completed, submit to the CPM documentation showing the area disturbed by construction activities has been returned to pre-construction conditions. | Documentation re: restored area | Once construction is completed | 12/30/2011 | | Not Started | |
| 170 | LAND | LAND-2 | CONS | Provide year-round water supply for grazing livestock on the remaining 146 acres of the subject property for the life of the project. | At least 30 calendar days prior to start of operation submit to the CPM evidence that a year-round water supply for livestock has been installed and water supply is maintained on a monthly basis for the life of the project. | Evidence of livestock water supply | At least 30 calendar days prior to start of Operation | 5/2/2012 | | Not Started | |

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| 171 | LAND | LAND-3 | OPS | Reseed the temporary construction laydown area on the project property with an improved seed mix over what site conditions currently provide. | Within 120 calendar days after commercial operation, submit to the CPM evidence that the construction laydown area has been re-seeded and a management plan that ensures the re-seeded area will be maintained and suitable for grazing for the life of the project. | Evidence of laydown area re-seeding / Management Plan | Within 120 calendar days after commercial operation | 9/29/2012 | | In Progress | Reseeding plan is part of VIS-2 Plan to be submitted to the CEC in October |
| 172 | LAND | LAND-4 | PC | Communication devices used by the project that operate over radio frequencies shall not conflict with frequencies used by Byron Airport and the surrounding airports; specifically frequencies 114 through 117, 123, 203, and 374 MHz shall be avoided. | At least 30 days prior to project construction, provide documentation to the Director of Airports with Contra Costa County for review and comment and to the CPM for review and approval, showing project communication devices will not conflict with the frequencies used by the Byron Airport and surrounding airports. Any comments received from the Director of Contra Costa County Airports shall be forwarded to the CPM without delay. | Documentation re: no conflicts with project communication devices / Airport director comments | At least 30 calendar days prior to start of construction | Complete | 4/8/2011 | Complete | |
| 173 | NOISE | NOISE-1 | PC | PUBLIC NOTIFICATION PROCESS: Prior to the demolition of the existing structures at the project site, notify all residents and business owners within one mile of the project site boundaries and within ½-mile of the linear facilities, of the commencement of project construction. Establish a telephone number, as outlined in this condition [NOISE-1] for use by the public to report any undesirable noise conditions. | At least 15 days prior to the start of demolition, transmit to the CPM a statement, signed by the project owner's project manager, stating that the notification has been performed, and describing the method of that notification. This communication shall also verify that the telephone number has been established and posted at the site, and shall provide that telephone number. | Statement of notification completion & establishment of telephone number | At least 15 days prior to the start of demolition | Complete | 5/16/2011<br>5/23/11 | Complete | |
| 174 | NOISE | NOISE-2a | CONS | NOISE COMPLAINT PROCESS: Throughout the demolition, construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2]. | Within five days of receiving a noise complaint, file a Noise Complaint Resolution Form, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve a noise complaint, and the complaint is not resolved within a three-day period, submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete. | Noise Complaint Resolution Form | Within five days of receiving a noise complaint | On-going | NA | In-progress | |

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| 175 | NOISE | NOISE-2b | OPS | NOISE COMPLAINT PROCESS: Throughout the demolition, construction and operation of the project, document, investigate, evaluate, and attempt to resolve all project-related noise complaints, as outlined in this condition [NOISE-2]. | Within five days of receiving a noise complaint, file a Noise Complaint Resolution Form, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve a noise complaint, and the complaint is not resolved within a three-day period, submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete. | Noise Complaint Resolution Form | Within five days of receiving a noise complaint | On-going | NA | Not Started | |
| 176 | NOISE | NOISE-3 | PC | EMPLOYEE NOISE CONTROL PROGRAM: Submit to the CPM for review and approval a noise control program to reduce employee exposure to high (above permissible) noise levels during construction in accordance to the applicable OSHA and Cal-OSHA standards. | At least 30 days prior to the start of demolition, submit the noise control program to the CPM. Make the program available to Cal-OSHA upon request. | Noise Control Program | At least 30 days prior to the start of demolition | Complete | 4/21/2011 | Complete | |
| 177 | NOISE | NOISE-4a | CONS | NOISE RESTRICTIONS: The project design and implementation shall include appropriate noise mitigation measures as described in this condition [NOISE-4]. | The 25-hour community noise survey shall take place within 30 days of the project first achieving a sustained output of 90% or greater of rated capacity. | -- | Within 30 days of the project first achieving a sustained output of 90% or greater of rated capacity | TBD | | Not Started | |
| 178 | NOISE | NOISE-4b | CONS | NOISE RESTRICTIONS | Within 15 days after completing the survey, submit a summary report of the survey to the CPM. Included in the survey report will be the measures described in this condition. Included in the survey report will 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. | Survey Summary Report | Within 15 days after completing the noise survey | 7/8/2012 | | Not Started | |
| 179 | NOISE | NOISE-4c | CONS | NOISE RESTRICTIONS | When the measures are in place, repeat the noise survey. Within 15 days of completion of the new survey, submit to the CPM a summary report of the new noise survey, performed as described above and showing compliance with this condition. | (If Needed) | Within 15 days of completion of the new noise survey | As-needed | NA | Not Started | |
| 180 | NOISE | NOISE-5 | CONS | OCCUPATIONAL NOISE SURVEY: Following the project's attainment of a sustained output of 90% or greater of its rated capacity, conduct an occupational noise survey to identify any noise hazardous areas in the facility.<br>A report shall be prepared of the survey results and, if necessary, proposed mitigation measures to be employed in order to comply with the applicable California and federal regulations. | Within 30 days after completing the occupational noise survey, submit the noise survey report to the CPM. Make the report available to OSHA and Cal-OSHA upon request. | Occupational Noise Survey Report | Within 30 days after completing the occupational noise survey | 7/15/2012 | | Not Started | |

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| 181 | NOISE | NOISE-6 | PC | CONSTRUCTION RESTRICTIONS: Heavy equipment operation and noisy construction work shall be restricted to the times delineated in this condition [NOISE-6], unless the CPM in consultation with Alameda County authorizes longer hours.<br>Haul trucks and other engine-powered equipment shall be equipped with adequate mufflers. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake use shall be limited to emergencies. | Prior to demolition, a statement acknowledging that the restrictions in this condition will be observed throughout the construction of the project shall be transmit to the CPM. | Statement of acknowledgement | Prior to demolition | Complete | 4/14/2011 | Complete | |
| 182 | SOCIO | SOCIO-1 | PC | Pay the one-time statutory school facility development fee as required by Education Code Section 17620. | At least 30 days prior to the start of project construction, provide to the CPM proof of payment of the statutory development fee. The payment shall be provided to the Mountain House Elementary School District (75%)/Tracy Unified School District (25%). | Payment / Proof of payment | At least 30 calendar days prior to start of construction | Complete | 5/12/2011 | Complete | |
| 183 | S&W | SOIL & WATER-1a | PC | Comply with the requirements of the General National Pollutant Discharge Elimination System (NPDES) permit for discharges of storm water associated with MEP construction activity. In order to comply, develop and implement a Storm Water Pollution Prevention Plan (SWPPP) for the construction of the entire proposed project site, laydown areas, and linear areas. | At least 60 days before construction begins, submit a copy of the construction SWPPP to the Alameda County Flood Control and Water Conservation District and the Contra Costa County Grading Division for review. | Construction SWPPP | At least 60 days before construction begins | Complete | 6/6/2011 | Complete | Revised plan submitted 6/27/11 |
| 184 | S&W | SOIL & WATER-1b | PC | SWPPP | At least 30 days before construction begins, submit copies to the CPM of all correspondence between the project owner and the Central Valley Regional Water Quality Control Board (RWQCB) regarding the General NPDES permit, including copies of the Notice of Intent and the Notice of Termination for project construction. | Copies of Correspondence | At least 30 calendar days prior to start of construction | Complete | 6/1/2011 | Complete | Revised plan submitted 6/27/11 |
| 185 | S&W | SOIL & WATER-2a | PC | Prior to site mobilization, obtain CPM approval for a site-specific Drainage, Erosion, and Sedimentation Control Plan (DESCP) for both the construction and operation. The DESCP shall contain the elements outlined in this condition [SOIL&WATER-2]. | No later than 90 days prior to start of site mobilization, submit a copy of the DESCP to Alameda County for review and comment. | Draft DESCP | At least 90 days prior to the start of site mobilization | Complete | 3/8/2011 | Complete | Revised plan submitted 6/27/11 |
| 186 | S&W | SOIL & WATER-2b | PC | DESCP | A copy of the DESCP shall be submitted to the CPM no later than 60 days prior to the start of site mobilization for review and approval. The CPM shall consider comments received from Alameda County. | Draft DESCP w/ County Comments | At least 60 days prior to the start of site mobilization | Complete | 6/6/2011 | Complete | |

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| 187 | S&W | SOIL & WATER-2c | CONS | DESCP | During construction, provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sediment-control measures and the results of monitoring and maintenance activities. | MCR | Monthly | On-going | NA | In-progress | |
| 188 | S&W | SOIL & WATER-2d | OPS | DESCP | Once operational, provide in the annual compliance report information on the results of stormwater BMP monitoring and maintenance activities. | ACR | Annually | On-going | NA | Not Started | |
| 189 | S&W | SOIL & WATER-3a | CONS | Comply with the requirements of the General NPDES permit for discharges of storm water associated with industrial activity. Develop and implement a SWPPP for the operation of the site. Ensure that only stormwater is discharged onto the site. | At least 30 days prior to commercial operation, submit the MEP operational SWPPP to the CPM. | Operation SWPPP | At least 30 days prior to commercial operation | 5/2/2012 | | Not Started | |
| 190 | S&W | SOIL & WATER-3b | CONS | Comply with the requirements of the General NPDES permit for discharges of storm water associated with industrial activity. Develop and implement a SWPPP for the operation of the site. Ensure that only stormwater is discharged. | Within 10 days of mailing or receipt of the operational SWPPP, submit to the CPM any correspondence, as specified by this condition, between the project owner and the RWQCB about the general NPDES permit for discharge of storm water associated with industrial activity. This information shall include a copy of the notice of intent sent by the project owner to the State Water Resources Control Board. A letter from the RWQCB indicating that there is no requirement for a general NPDES permit for discharges of storm water associated with industrial activity would satisfy this condition. | Copies of Correspondence | Within 10 days of mailing or receipt | 5/17/2012 | | Not Started | |
| 191 | S&W | SOIL & WATER-4a | CONS | Water used for project operation shall be raw surface water from BBID. Pumping or purchasing groundwater is prohibited. Water use shall not exceed the annual water-use limit of 187 acre-feet per year. The project owner shall monitor and record the total water used on a monthly basis, as outlined in this condition [SOIL & WATER-4]. A date shall be established for the annual compliance report (ACR) submittal, and the ACR shall include the elements described in this condition.<br>The project owner shall work with BBID to implement a water conservation program, as outlined in this condition. The water conservation program(s) shall be provided to the CPM for review and approval. Contributions to a water conservation program are not required for use of recycled water during construction or operation. | At least 60 days prior to commercial operation, submit to the CPM evidence that metering devices have been installed and are operational on the water supply and distribution systems. | Evidence of metering device installation | At least 60 days prior to commercial operation | 4/2/2012 | | Not Started | |

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| 192 | S&W | SOIL & WATER-4b | OPS | -- | When the metering devices are serviced, tested and calibrated, provide a report summarizing these activities in the next annual compliance report. The project owner, in the annual compliance report, shall provide a Water Use Summary that states the source and quantity of raw surface water used on a monthly basis and on an annual basis in units of acre-feet. Prior annual water use including yearly range and yearly average shall be reported in subsequent annual compliance reports (ACR). | ACR | Annually | On-going | NA | Not Started | |
| 193 | S&W | SOIL & WATER-4c | PC | -- | At least 30 days prior to construction, submit the water conservation program(s) by the selected local water agency(s) to the CPM for review and approval. The water conservation program shall include elements (a) through (d) of this condition [SOIL&WATER-4]. | Water Conservation Program(s) | At least 30 calendar days prior to start of construction | Complete | 6/6/2011 | Complete | |
| 194 | S&W | SOIL & WATER-4d | CONS | -- | Provide proof that the initial contribution to the water conservation program was paid to a CPM-approved water conservation program prior to site operations. Annual use payments shall be determined based upon the approved rate on per acre-foot of fresh water reported annually in the ACR. | Proof of initial contribution | Prior to Operation | 6/1/2012 | | Not Started | |
| 195 | S&W | SOIL & WATER-4e | OPS | -- | Annual use payments shall be determined based upon the approved rate on per acre-foot of fresh water reported annually in the ACR. Annual use payments to a water conservation program, confirmed by the CPM, shall be made no later than 60 days following CPM approval of the ACR. | Annual Use Payments | No later than 60 days following CPM approval of the ACR | TBD | | Not Started | |

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| 196 | S&W | SOIL & WATER-4f | OPS | -- | Provide data and a report to the CPM describing the water conservation program with estimates of the annual "calculated" water saved in acre-feet in the subsequent ACR. Payments for longer return period capital improvements should be accounted for using standard engineering economic analysis. Water use at MEP should also be tracked in an annual water use account. Once a long return period project is implemented and water conservation begins, water conservation should also be tracked on an annual basis. Conserved water from MEP funded projects should be deducted from the MEP water use account on an annual basis. Payment history, project funding, and MEP water use and conservation accounting shall be documented in the ACR. | ACR | Annually | On-going | NA | Not Started | |
| 197 | S&W | SOIL & WATER-5 | OPS | Wastewater shall not be discharged, other than non-contact stormwater, and evidence shall be provided that industrial wastewater and contact stormwater are being disposed of at an appropriately licensed facility. | Provide evidence to the CPM of proper industrial wastewater disposal, via a licensed hauler to an appropriately licensed facility, in the annual compliance report. | ACR | Annually | On-going | NA | Not Started | |
| 198 | TRANS | TRANS-1 | CONS | Roadway Use Permits and Regulations: Comply with limitations imposed by Caltrans District 4 and other relevant jurisdictions, on vehicle sizes and weights, driver licensing, and truck routes. In addition, the project owner or its contractor shall obtain necessary transportation permits from Caltrans and all relevant jurisdictions for roadway use. | In the MCRs, report permits received during that reporting period. In addition, retain copies of permits and supporting documentation on-site for CPM inspection if requested. | MCR | Monthly | On-going | NA | In-progress | Copies on file at jobsite, permit numbers included in MCR. |
| 199 | TRANS | TRANS-2a | PC | Restoration of All Public Roads, Easements, and Rights-of-Ways: Restore all public roads, easements, and rights-of-ways that have been damaged due to project-related construction activities in a timely manner.<br>Prior to the start of site mobilization, notify the relevant jurisdictions of the proposed schedule for project construction, request that these jurisdictions consider postponement of planned activities, and coordinate any concurrent construction-related activities that cannot be postponed. | Prior to the start of site mobilization, photograph or videotape all affected public roads, easements, right-of-way segment(s), and/or intersections and provide the CPM, the affected local jurisdiction(s), and Caltrans District 4 (if applicable) with a copy of these images. | Photo/Video of pre-project road conditions | Prior to the start of site mobilization | Complete | 6/8/2011 | Complete | |
| 200 | TRANS | TRANS-2b | CONS | Restoration of All Public Roads, Easements, and Rights-of-Ways | Within 60 calendar days of completion of construction, meet with the CPM, the affected local jurisdiction(s), and Caltrans District 4 (if applicable) to identify sections of public right-of-way to be repaired. At that time, establish a schedule for completion and approval of the repairs. | -- | Within 60 calendar days of completion of construction | 7/30/2012 | | Not Started | |

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| 201 | TRANS | TRANS-2c | CONS | Restoration of All Public Roads, Easements, and Rights-of-Ways | Following completion of any public right-of-way repairs, provide to the CPM letters signed by the affected local jurisdiction(s) and Caltrans District 4 stating their satisfaction with the repairs. | Letters from Caltrans | Following completion of any public right-of-way repairs | TBD | | Not Started | |
| 202 | TRANS | TRANS-3a | PC | Traffic Control Plan, Heavy Hauling Plan, and Parking/Staging Plan: Prior to the start of construction, prepare a Traffic Control Plan (TCP) for the MEP's construction and operations traffic , as outlined in this condition [TRANS-2]. Submit the proposed TCP to the Caltrans District 4 office and to the affected local jurisdictions in sufficient time for review and comment, and to the CPM for review and approval prior to the proposed start of construction and implementation of the plan. | At least 60 calendar days prior to the start of construction, submit the TCP to the applicable agencies for review and comment and to the CPM for review and approval. Also provide the CPM with a copy of the transmittal letter to the agencies requesting review and comment. | TCP / Transmittal letters | At least 60 calendar days prior to the start of construction | Complete | 6/8/2011 | Complete | |
| 203 | TRANS | TRANS-3b | PC | Traffic Control Plan, Heavy Hauling Plan, and Parking/Staging Plan | At least 30 calendar days prior to the start of construction, provide copies of any comment letters received from the agencies, along with any changes to the proposed development plan, to the CPM for review and approval. | Final TCP / comments received | At least 30 calendar days prior to the start of construction | Complete | 6/8/2011 | Complete | |
| 204 | TRANS | TRANS-4a | PC | Encroachment into Public Rights-of-Way: Prior to any ground disturbance, improvements, or obstruction of traffic, coordinate with all relevant jurisdictions to obtain all required encroachment permits and comply with all applicable regulations. | At least 10 days prior to ground disturbance or interruption of traffic in or along any public road, easement, or right-of-way, provide copies of all permit(s), relevant to the affected location(s), received from Caltrans or any other affected jurisdiction/s to the CPM. | Copies of Permits Received | At least 10 days prior to ground disturbance or interruption of traffic in or along any public road, easement, or right-of-way | Complete | 6/1/2011 | Complete | Alameda County Encroachment permits submitted 6/24/11. Contra Costa Permit submitted in first MCR. |
| 205 | TRANS | TRANS-4b | OPS | Encroachment into Public Rights-of-Way | Retain copies of the issued/approved permit(s) and supporting documentation in the compliance file for a minimum of 180 calendar days after the start of commercial operation. | -- | At least 180 calendar days after the start of commercial operation | On-going | NA | Not Started | |
| 206 | TRANS | TRANS-5a | CONS | Transportation of Hazardous Materials: Obtain the necessary permits and/or licenses, comply with all applicable regulations, and implement the proper procedures for the transportation of hazardous materials. In addition, the owner shall ensure that hazardous materials deliveries occur outside of normal commute hours. | In the MCRs, the owner shall provide copies of all permits/licenses obtained for the transportation of hazardous substances. | MCR | Monthly | On-going | NA | In-progress | |
| 207 | TRANS | TRANS-6a | PC | Payment of Transportation Fees: Where applicable, pay traffic and transportation fees to Alameda County for development of the MEP. These fees may include but not be limited to the Tri-Valley transportation development fee and the cumulative traffic impact mitigation fee. | At least 30 days prior to the start of ground disturbance, submit plans for the proposed MEP to Alameda County, pay any necessary transportation-related fees, and provide documentation of exemption or payment to the CPM. | Plans, and proof of fee payment or exemption | At least 30 days prior to the start of ground disturbance | Complete | 5/19/2011 | Complete | |

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| 208 | TRANS | TRANS-6b | OPS | Payment of Transportation Fees | Retain copies of documentation in the compliance file for a minimum of 180 calendar days after the start of commercial operation. | -- | At least 180 calendar days after the start of commercial operation | On-going | NA | Not Started | |
| 209 | TRANS | TRANS-7a | PC | Obstruction Marking and Lighting: Install obstruction marking and lighting on the exhaust stacks, consistent with FAA requirements, as expressed in the documents listed in this condition [TRANS-7].<br>Permanent lighting shall be installed and activated as outlined in this condition. | At least 60 days prior to the start of construction, submit to the CPM for approval final design plans for the power plant exhaust stacks that depict the required air traffic obstruction marking and lighting. | Final exhaust stack lighting plans | At least 60 days prior to the start of construction | Partial Complete | 5/19/2011 | Partial Complete | DGC requested guidance from FAA on Stack lighting on 8/16/11, lighting is required. LG working on design submittal. |
| 210 | TRANS | TRANS-7b | CONS | Obstruction Marking and Lighting | Within 5 days of completion of exhaust stack construction and prior to the start of plant operation, install and activate permanent obstruction marking and lighting consistent with FAA requirements. | -- | Within 5 days of completion of exhaust stack construction and prior to the start of plant operation | TBD | | Not Started | |
| 211 | TRANS | TRANS-7c | CONS | Obstruction Marking and Lighting | Inform the CPM in writing within 10 days of installation and activation of permanent obstruction marking and lighting. The lighting shall be inspected and approved by the CPM (or designated inspector) within 30 days of activation. | Notification to CPM | Within 10 days of installation and activation of permanent obstruction marking and lighting | TBD | | Not Started | |
| 212 | TRANS | TRANS-8a | CONS | Pilot Notification and Awareness: Initiate the actions outlined in this condition [TRANS-8] to ensure pilots are aware of the project location and potential hazards to aviation. | Within 30 days following the start of construction, submit draft language for the letters of request to the FAA (including NORCAL TRACON) and Byron Airport to the CPM for review and approval. | Draft Letters of Request | Within 30 days following the start of construction-Coming up soon | 7/29/2011 | | Complete | |
| 213 | TRANS | TRANS-8b | CONS | Pilot Notification and Awareness | At least 60 days prior to the start of operations, submit the required letters of request to the FAA and request that TRACON (NORCAL) submit aerodrome remarks to the listed agencies. Submit copies of these requests to the FAA and TRACON (NORCAL) to the CPM. | Letters of Request | At least 60 days prior to the start of operations | 4/2/2012 | 9/13/2011 | Partially complete: NOTAM and AWOS filed on 9/30/11 | Received e-mail confirmation of FAA receipt of Data Change, Aeronautical Charge Change and Terminal Air Chart Change on 9/13/11 |
| 214 | TRANS | TRANS-8c | CONS | Pilot Notification and Awareness | A copy of any resulting correspondence shall be submitted to the CPM within 10 days of receipt. | Copies of Correspondence | Within 10 days of receipt | As-needed | NA | As-needed | |
| 215 | TRANS | TRANS-8d | CONS | Pilot Notification and Awareness | If a response from any of the agencies is not received within 45 days of the request (or by 15 days prior to the start of operations), follow up with a letter to the respective agency/ies to confirm implementation of the request. | (If Needed) | Within 45 days of submitting the request (or by 15 days prior to the start of operations) | As-needed | NA | As-needed | |

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| 216 | TRANS | TRANS-8e | CONS | Pilot Notification and Awareness | Contact the CPM within 72 hours if notified that any or all of the requested notices cannot be implemented. Should this occur, the project owner shall appeal such a determination, consistent with any established appeal process and in consultation with the CPM. A final decision from the jurisdictional agency denying the request, as a result of the appeal process, shall release the project owner from any additional action related to that request and shall be deemed compliance with that portion of this condition. | (If Needed) | Within 72 hours of being notified that any or all of the requested notices cannot be implemented | As-needed | NA | As-needed | |
| 217 | TLSN | TLSN-1 | PC | Construct the proposed 230-kV transmission lines 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 PG&E's EMF-reduction guidelines. | At least 30 days before starting the construction of the transmission line or related structures and facilities, submit to the CPM a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the requirements stated in this condition. | Letter of Confirmation | At least 30 days before starting the upgrade of the transmission line or related structures and facilities | 13-Jul-11 | 14-Jul-11 | Complete | |
| 218 | TLSN | TLSN-2a | OPS | Use a qualified individual to measure the strengths of the electric and magnetic fields from each line as outlined in this condition. These measurements shall be completed not later than six months after the start of operations. | These measurements shall be completed not later than six months after the start of operations. | -- | Within 6 months after the start of operations | 11/28/2012 | | Not Started | |
| 219 | TLSN | TLSN-2b | OPS | -- | File copies of the post-energization measurements with the CPM within 60 days after completion of the measurements. | Post-energization Measurements | Within 60 days of the post-energization measurements | 12/28/2012 | | Not Started | |
| 220 | TLSN | TLSN-3 | OPS | The rights-of-way of the proposed transmission lines shall be kept free of combustible material as required under the provisions of section 4292 of the Public Resources Code and section 1250 of Title 14 of the California Code of Regulations. | During the first 5 years of plant operation, provide a summary of inspection results and any fire prevention activities carried out along the right-of-way of the line and provide such summaries in the Annual Compliance Report. | ACR | Annually | On-going | NA | Not Started | |
| 221 | TLSN | TLSN-4 | CONS | Ensure that all permanent metallic objects within the rights-of-way of the project-related line is grounded according to industry standards. | At least 30 days before the line is energized, transmit to the CPM a letter confirming compliance with this condition. | Letter of Confirmation | At least 30 days before the lines are energized | 12/21/2011 | | Not Started | |
| 222 | VIS | VIS-1a | PC | Surface Treatment of Project Structures and Buildings: Color and finish the surfaces of all project structures and buildings visible to the public. Transmission line conductors and insulators shall be non-specular and non-reflective. A surface treatment plan shall be submitted to the CPM for approval that includes measures (A) through (E) of this condition. | At least 45 days prior to applying vendor color(s) and finish(es) for structures or buildings to be surface treated during manufacture, submit the proposed treatment plan to the CPM. | Proposed Surface Treatment Plan | At least 45 days prior to applying vendor color(s) and finish(es) for structures or buildings | Complete | 5/9/2011 | Complete | |

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| 223 | VIS | VIS-1b | CONS | Surface Treatment of Project Structures and Buildings: The applicant shall not request vendor surface treatment of any buildings or structures during their manufacture, or perform final field treatment on any buildings or structures, until the applicant has received treatment plan approval by the CPM. | If the CPM determines that the plan requires revision, provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for approval. | (If Needed) | Prior to applying any treatment | As-needed | NA | As-needed | |
| 224 | VIS | VIS-1c | OPS | Surface Treatment of Project Structures and Buildings: The applicant shall notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection; and shall submit one set of electronic color photographs from KOPs 1 and 3 showing the "as built" surface treated structures and buildings. | Within 90 days after the start of commercial operation, notify the CPM that surface treatment of all listed structures and buildings has been completed and is ready for inspection; and submit one set of electronic color photographs from KOPs 1 and 3 showing the "as built" surface treated structures and buildings. | Notification of surface treatment completion and photographs from KOPs 1 & 3 | Within 90 days after the start of operations | 8/30/2012 | | Not Started | |
| 225 | VIS | VIS-1d | OPS | Surface Treatment of Project Structures and Buildings: The surface treatment plan shall include a procedure to ensure proper treatment maintenance for the life of the project. | Provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify a): the condition of the surfaces of all structures and buildings at the end of the reporting year; b) major maintenance activities that occurred during the reporting year; and c) the schedule of major maintenance activities for the next year. | ACR | Annually | On-going | NA | Not Started | |
| 226 | VIS | VIS-2 | CONS | Surface Restoration: Remove all evidence of temporary construction activities, and restore the ground surface to the original condition or better including the replacement of any vegetation during construction where project development does not preclude it. Submit to the CPM for approval and implement a surface restoration plan. | At least 60 days prior to the start of commercial operation, submit the surface restoration plan to the CPM for approval. | Surface Restoration Plan | At least 60 days prior to the start of commercial operation | 4/2/2012 | | In-progress | Plan drafted, will be submitted in Ocotber |
| 227 | VIS | VIS-2b | CONS | Surface Restoration | If the CPM notifies the applicant that revisions of the surface restoration plan are needed, within 30 days of receiving that notification submit to the CPM a plan with the specified revisions. | (If Needed) | Within 30 days of receiving notification | As-needed | NA | As-needed | |
| 228 | VIS | VIS-2c | CONS | Surface Restoration | Complete surface restoration within 60 days after the start of commercial operation. Notify the CPM within seven days after completion of surface restoration that the restoration is ready for inspection. | Notification to CPM | Within 60 days after the start of commercial operation | As-needed | NA | As-needed | |
| 229 | VIS | VIS-3a | CONS | Construction Activity Lighting: To the extent feasible given safety and security concerns, lighting on the construction site and the construction laydown area shall minimize potential night lighting impacts, as outlined in (A) through (D) of this condition [VIS-3] | Within 7 days after the first use of construction lighting, notify the CPM that the lighting is ready for inspection. | Notification to CPM | Within 7 days after the first use of construction lighting | TBD | | Not Started | |

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| 230 | VIS | VIS-3b | CONS | Construction Activity Lighting | If the CPM notifies the applicant that modifications to the lighting are needed to minimize impacts, within 15 days of receiving that notification implement the necessary modifications and notify the CPM that the modifications have been completed. | (If Needed) | Within 15 days of receiving notification | As-needed | NA | As-needed | |
| 231 | VIS | VIS-3c | CONS | Construction Activity Lighting: If the applicant receives a complaint about construction lighting, the applicant shall notify the CPM and shall use the complaint resolution form included in the General Conditions section of the Compliance Plan to record each lighting complaint and to document the resolution of that complaint. The applicant shall provide a copy of each complaint form to the CPM. | Within 48 hours of receiving a lighting complaint, provide to the CPM; a) a report of the complaint, b) a proposal to resolve the complaint, and c) a schedule for implementation of the proposal. | (If Needed) | Within 48 hours of receiving a lighting complaint | As-needed | NA | As-needed | |
| 232 | VIS | VIS-3d | CONS | Construction Activity Lighting | Notify the CPM within 48 hours after completing implementation of the proposal to resolve the lighting complaint. | (If Needed) | Within 48 hours of implementing the proposal to resolve a lighting complaint | As-needed | NA | As-needed | |
| 233 | VIS | VIS-3e | CONS | Construction Activity Lighting | Provide a copy of the completed complaint resolution form to the CPM in the next Monthly Compliance Report. | (If Needed) | -- | As-needed | NA | As-needed | |
| 234 | VIS | VIS-4a | PC | Permanent Exterior Lighting: To the extent feasible, consistent with safety and security considerations and commercial availability, design and install all permanent exterior lighting as described in measures (A) through (I) of this condition [VIS-4]. Provide to the CPM a lighting management plan that includes at a minimum the elements described in this condition. | At least 60 days prior to ordering any permanent exterior lighting, submit to the CPM for approval a lighting management plan. If the CPM determines that the lighting management plan requires revision, provide to the CPM a plan with the specified revision(s) for approval. No exterior lighting should be ordered until receiving CPM approval of the lighting management plan. | Lighting Mitigation Plan | At least 60 days prior to ordering any permanent exterior lighting | Partial Complete | 4/11/2011 | Partial Complete | Lighting plan for water line was submitted but not the plant site. Per LG lighting submittal will be complete at the end of October. |
| 235 | VIS | VIS-4b | CONS | Permanent Exterior Lighting | Prior to commercial operation, notify the CPM that the lighting has been installed and is ready for inspection. | Notification to CPM | Prior to commercial operation | 6/1/2012 | | Not Started | |
| 236 | VIS | VIS-4c | CONS | Permanent Exterior Lighting | If after inspection the CPM notifies the applicant that modifications to the lighting are needed, within 30 days of receiving notification implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection. | (If Needed) | Within 30 days of receiving notification | As-needed | NA | As-needed | |
| 237 | VIS | VIS-4d | OPS | Permanent Exterior Lighting: The lighting management plan that includes a process for addressing and mitigating lighting related complaints. | Within 10 days of receiving a project-related lighting complaint, provide the CPM with a complaint resolution form report as specified in the Compliance General Conditions including a proposal to resolve the complaint, and a schedule for implementation. | (If Needed) | Within 10 days of receiving a project-related lighting complaint | As-needed | NA | As-needed | |

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| 238 | VIS | VIS-4e | OPS | Permanent Exterior Lighting | Notify the CPM within 10 days after completing implementation of the proposal. | (If Needed) | Within 10 days of implementing a proposal to resolve a lighting complaint | As-needed | NA | As-needed | |
| 239 | VIS | VIS-4f | OPS | Permanent Exterior Lighting | A copy of the complaint resolution form report shall be submitted to the CPM within 30 days of complaint resolution. | (If Needed) | Within 30 days of complaint resolution | As-needed | NA | As-needed | |
| 240 | VIS | VIS-5a | CONS | Publicly Visible Project-Related Signage: Any publicly visible signage shall be the minimal signage visible to the public, and shall follow (a) and (b) of this condition [VIS-5]. The design of any signs required by safety regulations shall conform to the criteria established by those regulations. The applicant shall submit a sign plan for publicly visible signs for the project to the Director of the Alameda County Community Development Agency Planning Department for comment and to the CPM for approval. The applicant shall not implement the plan until the applicant receives approval of the submittal from the CPM. | At least 30 days prior to installing publicly visible signs, submit a sign plan for the project to the Director of the Alameda County Community Development Agency Planning Department for comment and to the CPM for approval. Provide a copy of the Director of the Alameda County Community Development Agency Planning Department comments to the CPM. | Sign Plan & County Comments | At least 30 days prior to installing publicly visible signs | 3/16/2012 | | In-progress | |
| 241 | VIS | VIS-5b | CONS | Publicly Visible Project-Related Signage | If the CPM determines that the sign plan requires revision, provide to the CPM a plan with the specified revision(s) for approval by the CPM before any signage visible to the public is installed. | (If Needed) | Prior to installing signage visible to the public | As-needed | NA | As-needed | |
| 242 | VIS | VIS-5C | CONS | Publicly Visible Project-Related Signage | Inform the CPM that the publicly visible signs have been installed and provide the CPM with electronic color photographs of the installed signage. | Notification of installation & photographs | ? | TBD | | Not Started | |
| 243 | VIS | VIS-6a | CONS | Landscaping: Provide a comprehensive landscaping and irrigation plan, as described in this condition [VIS-6]. Landscaping shall be installed or bonded prior to the start of commercial operation. In no event shall landscaping be installed any later than 6 months after the start of commercial operation.<br>The applicant shall not implement the landscaping and irrigation plan until the applicant receives approval from the CPM. Planting must be completed or bonded by the start of commercial operation, and the planting must occur during the optimal planting season, but not later than 6 months after the start of commercial operation. | Prior to commercial operation and at least 60 days prior to installing the landscaping, provide a copy of the landscaping and irrigation plan to the Director of the Alameda County Community Development Agency Planning Department for review and to the CPM for approval.<br>Provide to the CPM a copy of the transmittal letter submitted to the Director of the Alameda County Community Development Agency Planning Department requesting their review. | Landscaping & Irrigation Plan / County Transmittal Letter & Comments | Prior to commercial operation and at least 60 days prior to installing the landscaping | 2/15/2012 | | Not Started | |

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| 244 | VIS | VIS-6b | CONS | Landscaping: Provide a comprehensive landscaping and irrigation plan, as described in this condition [VIS-6]. Landscaping shall be installed or bonded prior to the start of commercial operation.<br>The applicant shall not implement the landscaping and irrigation plan until the applicant receives approval from the CPM. Planting must be completed by the start of commercial operation, and the planting must occur during the optimal planting season. | Notify the CPM within 7 days after completing installation of the landscaping and irrigation that the landscaping and irrigation is ready for inspection. | Notification to CPM | Within 7 days after completing installation of the landscaping and irrigation | 5/22/2012 | | Not Started | |
| 245 | VIS | VIS-6c | OPS | Landscaping | The Applicant shall replace dead or dying plantings (plants and trees) listed or shown in the approved landscaping and irrigation plan for the project, annually at the least (e.g., start of Spring), for the life of the project. | Additional Plantings | Annually/As-Needed | As-needed | NA | As-needed | |
| 246 | WASTE | WASTE-1 | PC | Provide the resume of an experienced and qualified Professional Engineer or Professional Geologist, who shall be available for consultation during site characterization (if needed), excavation and grading activities, to the CPM for review and approval. The resume shall show experience in remedial investigation and feasibility studies.<br>The Professional Engineer or Professional Geologist shall be given full authority by the project owner to oversee any earth moving activities that have the potential to disturb contaminated soil. | At least 30 days prior to the start of site mobilization, submit the resume of the Professional Engineer or Professional Geologist to the CPM for review and approval. | Professional Engineer / Geologist Resume | At least 30 days prior to the start of site mobilization | Complete | 3/11/2011 | Complete | |
| 247 | WASTE | WASTE-2a | CONS | If potentially contaminated soil is identified, the Professional Engineer or Geologist shall inspect the site, determine the need for sampling, and provide a written report to the project owner, representatives of Department of Toxic Substances Control, and the CPM stating the recommended course of action. | Submit any final reports filed by the Professional Engineer or Professional Geologist to the CPM within 5 days of their receipt. | (If Needed) | Within 5 days of receiving any reports filed by the Professional Engineer or Geologist | As-needed | NA | As-needed | |
| 248 | WASTE | WASTE-2b | CONS | The Professional Engineer or Geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If, in the opinion of the Professional Engineer or Professional Geologist, significant remediation may be required, the project owner shall contact the CPM and representatives of the Department of Toxic Substances Control for guidance and possible oversight. | Notify the CPM within 24 hours of any orders issued to halt construction. | (If Needed) | Within 24 hours of any orders issued to halt construction | As-needed | NA | As-needed | |

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| 249 | WASTE | WASTE-3 | PC | Obtain a hazardous waste generator identification number from the USEPA 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 Monthly Compliance Report. | USEPA Haz Waste Generator ID Number | Prior to generating any hazardous waste | Complete | 4/4/2011 | Complete | |
| 250 | WASTE | WASTE-4 | CONS | Upon becoming aware of any impending waste management-related enforcement action, 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 way project-related wastes are managed. | (If Needed) | Within 10 days of becoming aware of an impending enforcement action | As-needed | NA | As-needed | |
| 251 | WASTE | WASTE-5 | PC | Prepare a Construction Waste Management Plan for all wastes generated during construction of the facility, and submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-5]. | Submit the Construction Waste Management Plan to the CPM for approval no less than 30 days prior to the initiation of construction activities at the site. | Construction Waste Management Plan | At least 30 calendar days prior to start of construction | Complete | 5/4/2011 | Complete | |
| 252 | WASTE | WASTE-6a | CONS | Prepare an Operation Waste Management Plan for all wastes generated during operation of the facility, and shall submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the elements listed in this condition [WASTE-6]. | Submit the Operation Waste Management Plan to the CPM for approval no less than 30 days prior to the start of project operation. Submit any required revisions to the CPM within 20 days of notification from the CPM that revisions are necessary. | Operation Waste Management Plan | At least 30 days prior to the start of operation | 5/2/2012 | | In-progress | |
| 253 | WASTE | WASTE-6b | OPS | Operation Waste Management Plan | Document in each Annual Compliance Report the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan; and update the Operation Waste Management Plan as necessary to address current waste generation and management practices. | ACR | Annually | On-going | NA | Not Started | |
| 254 | WASTE | WASTE-7 | CONS | All spills or releases of hazardous substances, materials, or waste shall be reported, cleaned-up, and remediated as necessary, in accordance with all applicable federal, state, and local requirements. | Document, as described in this condition [WASTE-7] all unauthorized releases and spills of hazardous substances, materials, or wastes that occur on the project property or related pipeline and transmission corridors. Copies of the unauthorized spill documentation shall be provided to the CPM within 30 days of the date the release was discovered. | (If Needed) | Within 30 days of the date the release was discovered | As-needed | | In-progress | |

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| 255 | WORKER SAFETY | WORKER SAFETY-1 | PC | Submit to the CPM the Project Construction Safety and Health Program containing the elements listed in this condition [WORKER SAFETY-1].<br>The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to the CPM for review and approval. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the Alameda County Fire Department for review and comment prior to submittal to the CPM for approval. | At least 30 days prior to the start of construction, the project owner shall submit to the CPM for review and approval a copy of the Project Construction Safety and Health Program. Provide a copy of a letter to the CPM from the Alameda County Fire Department stating the fire department's comments on the Construction Fire Prevention Plan and Emergency Action Plan. | Construction Health & Safety Program w/Fire Department Comments on EAP/FPP | At least 30 calendar days prior to start of construction | Partial Complete | 5/16/2011 | Partial Complete | LG and Tideland's programs have been submitted. Still need PG&E |
| 256 | WORKER SAFETY | WORKER SAFETY-2 | CONS | Submit to the CPM the Project Operations and Maintenance Safety and Health Program containing the elements listed in this condition [WORKER SAFETY-2].<br>The Operation Injury and Illness Prevention Plan, Emergency Action Plan, and Personal Protective Equipment Program shall be submitted to the CPM for review and comment concerning compliance of the programs with all applicable safety orders. The Fire Prevention Plan and the Emergency Action Plan shall also be submitted to the Alameda County Fire Department for review and comment. | At least 30 days prior to the start of first-fire or commissioning, submit to the CPM for approval a copy of the Project Operations and Maintenance Safety and Health Program. Provide a copy of a letter to the CPM from the Alameda County Fire Department stating the fire department's comments on the Operations Fire Prevention Plan and Emergency Action Plan. | Operation Health & Safety Program w/Fire Department Comments on EAP/FPP | At least 30 days prior to the start of first-fire or commissioning | 2/1/2012 | | Not Started | |
| 257 | WORKER SAFETY | WORKER SAFETY-3a | PC | Provide a site Construction Safety Supervisor (CSS) who is qualified as specified in this condition [WORKER SAFETY-3]. The CSS shall preform the duties listed in this condition. | At least 30 days prior to the start of construction, submit to the CPM the name and contact information for the CSS. | CSS Name/Contact | At least 30 calendar days prior to start of construction | Partial Complete | 5/16/2011 | Partial Complete | CSS for LG and Tidelands have been identified but not PG&E |
| 258 | WORKER SAFETY | WORKER SAFETY-3b | CONS | Construction Safety Supervisor (CSS) | The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report to include the elements listed in this condition. The contact information of any replacement CSS shall be submitted to the CPM within one business day. | MCR | Monthly | On-going | NA | In-progress | |
| 259 | WORKER SAFETY | WORKER SAFETY-4 | PC | Make payments to the Chief Building Official (CBO) for the services of a Safety Monitor. Those services shall be in addition to other work performed by the CBO. The Safety Monitor shall be responsible for the duties listed in this condition [WORKER SAFETY-4]. | Prior to the start of construction, provide proof of agreement to fund the Safety Monitor services to the CPM for review and approval. | Proof of Agreement w/CBO for Safety Monitor | Prior to construction | Complete | 5/16/2011 | Complete | |
| 260 | WORKER SAFETY | WORKER SAFETY-5 | PC | A portable automatic external defibrillator (AED) shall be located on site during demolition, construction, and operations and a training program shall be implemented, as described in this condition [WORKER SAFETY-5]. The training program shall be submitted to the CPM for review and approval. | At least 30 days prior to the start of construction, submit to the CPM proof that a portable AED exists on site and a copy of the training and maintenance program for review and approval. | Proof of AED and Training Program | At least 30 calendar days prior to start of construction | Complete | 5/16/2011 | Complete | |

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| 261 | WORKER SAFETY | WORKER SAFETY-6 | OPS | The project owner shall provide a $70,000 payment to the Tracy Fire Department prior to the start of commercial operation. This funding shall fully compensate Tracy Fire for any services it may be called to provide the Project over the life of the Project. | At least five (5) days prior to the start of commercial operation the project owner shall provide documentation of the payment described above to the CPM. | Statement of Verification | 5 days prior to COD | 6/21/2012 | | Not Started | |
| 262 | GEN | GEN-1a | CONS | The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the MEP. | Five days prior to requesting the issuance of the certificate of occupancy, submit to the CPM and the CBO a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met. | Statement of Design Verification | Five days prior to requesting the issuance of the certificate of occupancy | 4/29/2012 | | Not Started | |
| 263 | GEN | GEN-1b | CONS | The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the MEP. | Provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO. | Certificate of Occupancy | Within 30 days of receiving the certificate of occupancy | 6/13/2012 | | Not Started | |
| 264 | GEN | GEN-1c | OPS | The LORS listed in this condition [GEN-1] shall be enforced during the design, construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility. Submit plans, calculations and other related documents that have been specifically developed for the MEP. | Once the certificate of occupancy has been issued, inform the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. The CPM will then determine if the CBO needs to approve the work. | Notification to CPM | At least 30 days prior to any work on the completed facility that requires CBO approval | TBD | | Not Started | |
| 265 | GEN | GEN-2a | CONS | Before submitting the initial engineering designs for CBO review, provide the CPM and the CBO with a schedule of facility design submittals, and master drawings and master specifications list, as specified in this condition [GEN-2]. To facilitate audits by Energy Commission staff, provide specific packages to the CPM upon request. In addition to the design submittals referenced above, plans and calculations for all construction work shall be submitted to the CBO for approval. | At least 60 days (or a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures, systems, and equipment defined in this condition. Major structures and equipment shall be added to or deleted from the list only with CPM approval. | Schedule, Master Drawings & Specifications Lists | At least 60 days prior to the start of rough grading | 6/22/2011 | 7/1/2011 | Complete | Master drawing and specification list submitted and approved 7/1/11. Update submitted 7/18/11. |

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| 266 | GEN | GEN-2b | CONS | Schedule of facility design submittals | Provide schedule updates in the monthly compliance report. | MCR | Monthly | On-going | NA | In-progress | |
| 267 | GEN | GEN-3 | PC | Make payments to the CBO for design review, plan checks, and construction inspections. | A copy of the contract between the project owner and the CBO shall be submitted to the CPM. The project owner shall make the required payments to the CBO in accordance with the agreement. The project owner shall send a copy of the CBO's receipt of payment to the CPM in the next monthly compliance report indicating that applicable fees have been paid. | Copy of CBO Contract / Receipt of Payment | In accordance with the agreement | Complete | 3/16/2011 | Complete | BV Sign Off |
| 268 | GEN | GEN-4a | PC | Prior to the start of rough grading, assign a California- registered architect, or a structural or civil engineer, as the resident engineer (RE) in charge of the project.<br>The RE or his/her delegate(s) shall be responsible for the elements listed in this condition [GEN-4]. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. | RE Resume & Registration Number | At least 30 days prior to the start of rough grading | Complete | 3/16/2011<br>4/27/11 | Complete | BV Sign Off |
| 269 | GEN | GEN-4b | CONS | -- | Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval. | Notification to CPM | Within 5 days of receiving the approval | As-needed | NA | As-needed | BV Sign Off (original submittals (GEN-4a) were submitted prior to the start of construction, future submittals will be "as-needed" - see GEN-4c |
| 270 | GEN | GEN-4c | 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. The project owner shall notify the CPM of the CBO's approval of the new engineer. | If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has five days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. | (If Needed) | Within 5 days of replacing the RE or delegated engineer(s) | As-needed | NA | As-needed | |
| 271 | GEN | GEN-5a | PC | Prior to rough grading and prior to construction, assign at least one of each of the California registered engineers listed in this condition [GEN-5] to the project. The duties of the engineers are outlined in this condition. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of rough grading, submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, engineering geologist, responsible design engineer, mechanical engineer, and electrical engineer assigned to the project. | Engineer Resumes | At least 30 days prior to the start of rough grading | Complete | 4/14/2011 | Complete | BV Sign Off |
| 272 | GEN | GEN-5b | CONS | -- | Notify the CPM of the CBO's approvals of the responsible engineers within five days of the approval. | Notification to CPM | Within 5 days of the approval | As-needed | NA | As-needed | BV Sign Off (original submittals (GEN-5a) were submitted prior to the start of construction, future submittals will be "as-needed" - see GEN-5c |

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| 273 | GEN | GEN-5c | CONS | -- | If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the resume 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. | (If Needed) | Within 5 days of replacing the designated engineer | As-needed | NA | As-needed | |
| 274 | GEN | GEN-6a | CONS | Prior to the start of an activity requiring special inspection, assign to the project, qualified and certified special inspector(s) The special inspector(s) shall preform the duties outlined in this condition [GEN-6]. | At least 15 days (or project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications of the certified weld inspector(s), or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth in this condition. | Name/Quals of Special Inspector | At least 15 days prior to the start of an activity requiring special inspection | As-needed | NA | As-needed | |
| 275 | GEN | GEN-6b | CONS | -- | Submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report. | MCR | MCR following approval of special inspectors | On-going | NA | In-progress | |
| 276 | GEN | GEN-6c | 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 five days of the approval. | (If Needed) | Within 5 days of replacing the special inspector | As-needed | NA | As-needed | |
| 277 | GEN | GEN-7 | CONS | If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, 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 this condition 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 monthly compliance report. 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. | (If Needed) | MCR following corrective action | As-needed | NA | As-needed | |

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| 278 | GEN | GEN-8a | CONS | Obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. Request the CBO to inspect the completed structure and review the submitted documents. Notify the CPM after obtaining the CBO's final approval. Retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at another accessible location during the operating life of the project. Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by the CPM. | Within 15 days of the completion of any work, 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. | MCR | Within 15 days of the completion of any work | On-going | NA | In-progress | |
| 279 | GEN | GEN-8b | CONS | -- | After storing the final approved engineering plans, specifications, and calculations described above, submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents. | Notification to CPM | After storing the final approved engineering plans, specifications, and calculations | TBD | | Not Started | |
| 280 | GEN | GEN-8c | CONS | -- | Within 90 days of the completion of construction, provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe) files, with restricted (password-protected) printing privileges, on archive quality compact discs. | Copies of approved plans/specs/calcs/as-builts | Within 90 days of the completion of construction | 8/29/2012 | | Not Started | |
| 281 | CIVIL | CIVIL-1a | CONS | Submit to the CBO for review and approval the drainage and grading design, erosion & sediment control plan, SWPPP, related calculations & specifications, and the soils, geotechnical, or foundation reports. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of site grading, submit the documents described in this condition to the CBO for design review and approval. | Drainage & grading design / DESCP / SWPPP / related calcs & specs / soils, geotechnical, or foundation reports | At least 30 days prior to the start of site grading | On-going | 5/19/2011 Updated Plan submitted 6/27/11 | Complete | |
| 282 | CIVIL | CIVIL-1b | CONS | -- | In the next monthly compliance report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO. | MCR | MCR following approval of documents described in CIVIL-1 | On-going | 8/24/2011 | Complete | |

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| 283 | CIVIL | CIVIL-2 | CONS | The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible engineer identifies unforeseen adverse soil or geologic conditions. Submit modified plans, specifications, and calculations to the CBO based on these new conditions, and obtain approval from the CBO before resuming work. | The project owner shall notify the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil 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. | (If Needed) | Within 24 hours of work stopped | As-needed | NA | As-needed | |
| 284 | CIVIL | CIVIL-3a | CONS | Perform inspections in accordance with the CBC, and this condition [CIVIL-3]. If 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. Prepare a written report, with copies to the CBO and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action. | Within five days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval. Within five days of resolution of the NCR, submit the details of the corrective action to the CBO and the CPM. | (If Needed) | Within five days of the discovery of any discrepancies | As-needed | NA | As-needed | |
| 285 | CIVIL | CIVIL-3b | CONS | -- | A list of NCRs, for the reporting month, shall be included in the following monthly compliance report. | (If Needed) | MCR following resolution of NCR | As-needed | NA | As-needed | |
| 286 | CIVIL | CIVIL-4a | CONS | After completion of finished grading and erosion and sedimentation control and drainage work, 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. | Within 30 days (or project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work, 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 the final approved combined grading plans, and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to the CPM. | Final Grading Plans / Signed statement from Civil Engineer | Within 30 days of the completion of the erosion and sediment control mitigation and drainage work | 7/14/2012 | | Not Started | |
| 287 | CIVIL | CIVIL-4b | CONS | -- | Submit a copy of the CBO's approval to the CPM in the next monthly compliance report. | MCR | MCR following completion of the erosion and sediment control mitigation and drainage work | 6/28/2012 | | Not Started | |
| 288 | STRUC | STRUC-1a | PC | Prior to the start of any increment of construction, submit plans, calculations and other supporting documentation, as described in this condition [STRUC-1] to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list. | At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM. | Final Design Plans, Specs & Calcs with Transmittal Letter | At least 60 days prior to the start of any increment of construction of listed component in the CBO-approved master drawing and specifications list | Complete | 5/19/2011 | Complete | BV Sign Off - Preconstruction submittals complete. Additional submittals addressed under STRUC-1b |

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| 289 | STRUC | STRUC-1b | CONS | Prior to the start of any increment of construction, submit plans, calculations and other supporting documentation, as described in this condition [STRUC-1] to the CBO for design review and acceptance for all project structures and equipment identified in the CBO-approved master drawing and master specifications list. | At least 60 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM. | Final Design Plans, Specs & Calcs with Transmittal Letter | At least 60 days prior to the start of any increment of construction of listed component in the CBO-approved master drawing and specifications list | On-going | NA | In-progress | |
| 290 | STRUC | STRUC-1c | CONS | -- | Submit to the CPM, in the next monthly compliance report, 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. | MCR | In the following MCR | On-going | NA | In-progress | |
| 291 | STRUC | STRUC-2a | CONS | Submit to the CBO the required number of sets of the documents listed in this condition [STRUC-2] related to work that has undergone CBO design review and approval: Concrete cylinder strength test reports; Concrete pour sign-off sheets; Bolt torque inspection reports; Field weld inspection reports; and Reports covering other structural activities requiring special inspections. | -- | See condition text for document list | On a schedule suitable to the CBO | On-going | NA | In-progress | |
| 292 | STRUC | STRUC-2b | CONS | -- | If a discrepancy is discovered in the data listed in this condition, 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. | (If Needed) | Within 5 days of discovering a discrepancy | As-needed | NA | As-needed | |
| 293 | STRUC | STRUC-2c | CONS | -- | Within five days of resolution of the NCR, submit a copy of the corrective action to the CBO and the CPM. | (If Needed) | Within five days of resolution of the NCR | As-needed | NA | As-needed | |
| 294 | STRUC | STRUC-2d | CONS | -- | The project owner shall 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, the reason for disapproval, and the revised corrective action to obtain CBO's approval. | (If Needed) | Within 15 days of receiving approval or disapproval | As-needed | NA | As-needed | |

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| 295 | STRUC | STRUC-3a | CONS | Submit to the CBO design changes to the final plans required by the CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes, and shall give to the CBO prior notice of the intended filing. | On a schedule suitable to the CBO, notify the CBO of the intended filing of design changes, and 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. | (If Needed) | On a schedule suitable to the CBO | As-needed | NA | As-needed | |
| 296 | STRUC | STRUC-3b | CONS | -- | Notify the CPM, via the monthly compliance report, when the CBO has approved the revised plans. | (If Needed) | In the following MCR | As-needed | NA | As-needed | |
| 297 | STRUC | STRUC-4a | CONS | Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the CBC shall, at a minimum, be designed to comply with the requirements of that chapter. | At least 30 days (or project owner- and CBO-approved alternate time frame) prior to the start of installation of the tanks or vessels containing the specified quantities of toxic or hazardous materials, submit to the CBO for design review and approval final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification. | Final design plans, Specs & Calcs Engineer certification | At least 30 days prior to the start of installation of the tanks or vessels | TBD | | In-progress | Specifications submitted and approved by CBO on 5/12/2011, Tank submittal in October 2011 |
| 298 | STRUC | STRUC-4b | CONS | -- | Send copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report. The project owner shall also transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection. | MCR | In the following MCR | On-going | NA | Not Started | |
| 299 | MECH | MECH-1a | CONS | Submit, for CBO design review and approval, the proposed final design, specifications and calculations for each plant major piping and plumbing system listed. Upon completion of construction of any such system, request the CBO's inspection.<br>The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable LORS. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and master specifications list, submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS, and send the CPM a copy of the transmittal letter in the next monthly compliance report. | Final design plans, Specs & Calcs Engineer certification w/ transmittal to CPM | At least 30 days prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and specifications list | TBD | | In-progress | |

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| 300 | MECH | MECH-1b | CONS | -- | Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals. | MCR | In the following MCR | On-going | | In-Progress | |
| 301 | MECH | MECH-2a | CONS | For all pressure vessels installed in the plant, submit to CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, request the appropriate CBO and/or Cal-OSHA inspection of that installation. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of on-site fabrication or installation of any pressure vessel, submit to the CBO for design review and approval, the documents listed in this condition, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM. | See condition text for document list | At least 30 days prior to the start of on-site fabrication or installation of any pressure vessel | TBD | | In-progress | |
| 302 | MECH | MECH-2b | CONS | -- | Transmit to the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals. | MCR | In the following MCR | On-going | NA | In-progress | |
| 303 | MECH | MECH-3a | CONS | Submit to the CBO for design review and approval, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC) or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.<br>Design and install all HVAC and refrigeration systems in accordance with applicable codes. Upon completion of any increment of construction, request the CBO's inspection. The final plans, specifications and calculations shall include approved criteria, assumptions, and methods. In addition, the responsible mechanical engineer shall sign and stamp all plans, drawings and calculations and submit a signed statement to the CBO that the proposed final design plans, specifications and calculations conform with the applicable LORS. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system, submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to the CPM. | HVAC & refrigeration calcs, plans, and specs / ME statement / Transmittal to CPM | At least 30 days prior to the start of construction of any HVAC or refrigeration system | TBD | | In-progress | |
| 304 | MECH | MECH-3b | CONS | -- | Copy of the transmittal letter to the CPM in the following MCR. | MCR | In the following MCR | As-needed | NA | As-needed | |

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| 305 | ELEC | ELEC-1a | CONS | Prior to the start of any increment of electrical construction for electrical equipment and systems 480 Volts or higher, submit, for CBO design review and approval, the proposed final design, specifications, and calculations. Upon approval, the above listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. Request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. | At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, submit to the CBO for design review and approval the documents listed in this condition. Include a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS, and send the CPM a copy of the transmittal letter in the next monthly compliance report. | Final design, specs, & calcs / RE Statement / Transmittal to CPM | At least 30 days prior to the start of each increment of electrical construction | TBD | | In-progress | |
| 306 | ELEC | ELEC-1b | CONS | -- | Send the CPM a copy of the transmittal letter in the next monthly compliance report. | MCR | In the following MCR | As-needed | NA | As-needed | |
| 307 | PAL | PAL-1a | PC | Provide the CPM with the resume and qualifications of the PRS for review and approval. The PRS and Paleontological Resource Monitors (PRMs) shall meet the minimum qualifications described in this condition [PAL-1]. | At least 60 days prior to the start of ground disturbance, submit a resume and statement of availability of its designated PRS for on-site work. | PRS Resume & Statement of Availability | At least 60 days prior to the start of ground disturbance | Complete | 4/6/2011 4/15/11 | Complete | |
| 308 | PAL | PAL-1b | PC | Ensure that the PRS obtains qualified PRMs to monitor as he or she deems necessary on the project. Paleontological Resource Monitors shall have the equivalent of the qualifications described in this condition [PAL-1]. | At least 20 days prior to ground disturbance, provide a letter with resumes naming anticipated monitors, stating that the identified monitors meet the minimum qualifications for paleontological resource monitoring required by the condition. | PRM Resumes & Quals | At least 20 days prior to ground disturbance | Complete | 5/4/2011 | Complete | |
| 309 | PAL | PAL-1c | CONS | If a PRM is replaced, the resume of the replacement PRM shall also be provided to the CPM. Keep resumes on file for qualified PRM. | If additional monitors are obtained during the project, provide additional letters and resumes to the CPM. The letter shall be provided to the CPM no later than one week prior to the monitor's beginning on-site duties. | (If Needed) | At least 1 week prior to the monitor beginning duties | As-needed | NA | As-needed | |
| 310 | PAL | PAL-1d | CONS | If the approved PRS is replaced, obtain CPM approval of the replacement PRS. | Prior to the termination or release of a PRS, submit the resume of the proposed new PRS to the CPM for review and approval. | (If Needed) | Prior to the termination or release of a PRS | As-needed | NA | As-needed | |
| 311 | PAL | PAL-2a | PC | Provide to the PRS and the CPM, for approval, maps and drawings showing the footprint of the project, as described in this condition [PAL-2]. If construction of the project proceeds in phases, maps and drawings may be submitted prior to the start of each phase. A letter identifying the proposed schedule of each project phase shall be provided to the PRS and CPM.<br>The PRS or PRM shall consult weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week. | At least 30 days prior to the start of ground disturbance, provide the maps and drawings to the PRS and CPM. | Maps and drawings | At least 30 days prior to the start of ground disturbance | Complete | 5/11/2011 | Complete | |

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| 312 | PAL | PAL-2b | CONS | If the footprint of the project or its linear facilities change, the project owner shall provide maps and drawings reflecting those changes to the PRS and CPM. | If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM at least 15 days prior to the start of ground disturbance. | (If Needed) | At least 15 days prior to the start of ground disturbance | As-needed | NA | As-needed | |
| 313 | PAL | PAL-2c | CONS | Before work commences on affected phases, the project owner shall notify the PRS and CPM of any construction phase scheduling changes. | If there are changes to the scheduling of the construction phases, submit a letter to the CPM within 5 days of identifying the changes. | (If Needed) | Within 5 days of identifying the changes | As-needed | NA | As-needed | |
| 314 | PAL | PAL-3 | PC | A paleontological resources monitoring and mitigation plan (PRMMP) shall be include elements (1) through (10) as specified in this condition [PAL-3] and submitted to the CPM for review and approval to identify general and specific measures to minimize potential impacts to significant paleontological resources. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, and the CPM. | At least 30 days prior to ground disturbance, provide a copy of the PRMMP to the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature. | PRMMP | At least 30 days prior to ground disturbance | Complete | 5/12/2011 | Complete | Revised PRMMP submitted on 6/21/11 |
| 315 | PAL | PAL-4a | PC | WEAP: Prior to ground disturbance and for the duration of construction activities involving ground disturbance, as described in this condition [PAL-4], prepare and conduct weekly CPM-approved paleontological resources training for the workers specified in this condition. The training shall include elements (1) through (7) of this condition. | At least 30 days prior to ground disturbance, submit the proposed WEAP, including the brochure, with the set of reporting procedures for workers to follow.<br>At least 30 days prior to ground disturbance, the project owner shall submit the training program presentation/materials to the CPM for approval if the project owner is planning to use a presentation format other than an in-person trainer for training. | Proposed WEAP & training materials | At least 30 days prior to ground disturbance | Complete | 4/5/2011<br>5/16/11 | Complete | |
| 316 | PAL | PAL-4b | CONS | WEAP TRAINING | If the owner requests an alternate paleontological trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to CPM authorization. | (If Needed) | Prior to installation of an alternate trainer | As-needed | NA | As-needed | |
| 317 | PAL | PAL-4c | CONS | WEAP TRAINING | In the MCR, provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or other approved presentation format) offered that month. The MCR shall also include a running total of all persons who have completed the training to date. | MCR | Monthly | On-going | NA | In-progress | |

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| 318 | PAL | PAL-5a | CONS | The PRS and PRM(s) shall monitor consistent with the PRMMP all construction-related grading, excavation, trenching, and augering in areas where potential fossil-bearing materials have been identified.<br>The PRS and PRM(s) have the authority to halt or redirect construction if paleontological resources are encountered. Monitoring activities shall be conducted as in accordance with (1) through (4) of this condition [PAL-5]. A summary of monitoring and other paleontological activities shall be included placed in the MCRs, as described by this condition. | The PRS shall submit the summary of monitoring and paleontological activities in the MCR. | MCR | Monthly | On-going | NA | In-progress | |
| 319 | PAL | PAL-5b | CONS | Any change of monitoring from the accepted schedule in the PRMMP shall be proposed in a letter or email from the PRS and the project owner to the CPM prior to the change in monitoring and will be included in the monthly compliance report. The letter or email shall include the justification for the change in monitoring and be submitted to the CPM for review and approval. In the event that the PRS determines full-time monitoring is not necessary in locations that were identified as potentially fossil-bearing in the PRMMP, the project owner shall notify and seek the concurrence of the CPM. | When feasible, the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change | (If Needed) | At least 10 days in advance of any proposed changes in monitoring, when feasible | As-needed | NA | As-needed | |
| 320 | PAL | PAL-6a | OPS | All components of the PRMMP shall be adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all significant paleontological resource materials encountered and collected during project construction. | Maintain in the compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists for a period of three years after project completion and approval of the CPM-approved paleontological resource report (see PAL-7). | -- | For 3 years after project completion | On-going | NA | In-progress | |
| 321 | PAL | PAL-6b | CONS | -- | Pay any curation fees charged by the museum for fossils collected and curated as a result of paleontological mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to the CPM. | (If Needed) | Following transmittal of fossils | As-Needed | NA | As-needed | |
| 322 | PAL | PAL-7 | CONS | The Paleontological Resources Report (PRR) shall be prepared by the designated PRS following completion of the ground-disturbing activities. The PRR shall include the elements described in this condition [PAL-7]. | Within 90 days after completion of ground-disturbing activities, including landscaping, submit the PRR under confidential cover to the CPM. | Paleontological Resources Report | Within 90 days after completion of ground-disturbing activities | 8/29/2012 | | Not Started | |

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| 323 | TSE | TSE-1a | CONS | Furnish to the CPM and to the CBO a schedule of transmission facility design submittals, as described in this condition [TSE-1], a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List. Provide designated packages to the CPM when requested. | At least 60 days prior to the start of construction, submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM. The schedule shall contain the elements listed in this condition. Additions and deletions shall be made to the table only with CPM and CBO approval. | Schedule, Master Drawing and Specifications Lists | At least 60 days prior to the start of construction | 6/22/2011 | 7/1/2011 | Complete | Master drawing and specification list submitted and approved 7/1/11. EPC will provide updates on the 15th and 30th or each month |
| 324 | TSE | TSE-1b | CONS | -- | Provide schedule updates in the monthly compliance report. | (If Needed) | Monthly | As-needed | NA | As-needed | |
| 325 | TSE | TSE-2a | PC | Prior to the start of construction assign an electrical engineer and at least one of each of the engineers listed in this condition [TSE-2] to the project. No segment of the project shall have more than one responsible engineer. The electrical engineer shall preform duties (1) and (2) listed in this condition. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform with predicted conditions used as a basis for design of earthwork or foundations. | At least 30 days prior to the start of rough grading, submit to the CBO for review and approval, the names, qualifications and registration numbers of all the responsible engineers assigned to the project. Notify the CPM of the CBO's approvals of the engineers within five days of the approval. | Name/Quals of Responsible Engineers | At least 30 days prior to the start of rough grading | Complete | 4/7/2011 | Complete | |
| 326 | TSE | TSE-2b | CONS | If any one of the designated engineers is subsequently 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. | 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. Notify the CPM of the CBO's approvals of the engineers within five days of the approval. | (If Needed) | Within 5 days of replacing the engineer | As-Needed | NA | As-needed | |
| 327 | TSE | TSE-3 | CONS | If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, 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 shall reference this condition. | The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM within 15 days of receipt. If the corrective action is disapproved, advise the CPM, within five days, the reason for disapproval, and the revised corrective action required to obtain the CBO's approval. | (If Needed) | Within 15 days of receiving the discrepancy | As-Needed | NA | As-needed | |

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| 328 | TSE | TSE-4a | CONS | For the power plant switchyard, outlet line and termination, do not begin any increment construction until plans for that increment 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. Request that the CBO inspect the installation. Activities (A) through (C) of this condition shall be reported in the MCR. | At least 30 days prior to the start of each increment of construction, submit to the CBO for review and approval the final design plans, specifications and calculations for equipment and systems of the power plant switchyard, outlet line and termination, including a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the applicable LORS. | Final design, specs, & calcs / RE Statement | At least 30 days prior to the start of each increment of construction | On-going | NA | In-progress | |
| 329 | TSE | TSE-4b | CONS | Activities (A) through (C) of this condition shall be reported in the MCR. | Send the CPM a copy of the transmittal letter described in this condition in the next Monthly Compliance Report. | Transmittal to CPM | Monthly | On-going | NA | In-progress | |
| 330 | TSE | TSE-5a | PC | The design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, and requirements (a) through (f) listed in this condition [TSE-5]. | At least 60 days prior to the start of construction of transmission facilities, submit to the CBO for approval the elements (a) through (f) listed in this condition. | See condition text for document list | At least 60 days prior to the start of construction of transmission facilities | TBD | | In-progress | |
| 331 | TSE | TSE-5b | PC | Once approved, the project owner shall inform the CPM and CBO of any anticipated changes to the design, and shall submit a detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change to the CPM and CBO for review and approval. | Prior to the construction of or start of modification of transmission facilities, inform the CBO and the CPM of any anticipated changes to the design that are different from the design previously submitted and approved and submit a detailed description of the proposed change and complete engineering, environmental, and economic rationale for the change to the CPM and CBO for review and approval. | (If Needed) | Prior to the construction of or start of modification of transmission facilities | As-needed | NA | As-needed | |
| 332 | TSE | TSE-6a | CONS | Provide the Notice to the California Independent System Operator (California ISO), as described in this condition [TSE-6], prior to synchronizing the facility with the California Transmission system. At least one week prior to synchronizing the facility with the grid for testing, provide the California ISO a letter stating the proposed date of synchronization. | Provide copies of the California ISO letter to the CPM when it is sent to the California ISO one week prior to initial synchronization with the grid. | Cal ISO Letter | At least 1 week prior to initial synchronization with the grid | TBD | | Not Started | |

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| 333 | TSE | TSE-6b | CONS | At least one business day prior to synchronizing the facility with the grid for testing, provide telephone notification to the California ISO Outage Coordination Department. | Contact the California ISO Outage Coordination Department, Monday through Friday, between the hours of 0700 and 1530 at (916) 351-2300 at least one business day prior to synchronizing the facility with the grid for testing. A report of conversation with the California ISO shall be provided electronically to the CPM one day before synchronizing the facility with the California transmission system for the first time. | Report of Conversation with Cal ISO | At least 1 business day prior to synchronizing the facility with the grid for testing | TBD | | Not Started | |
| 334 | TSE | TSE-7a | CONS | The transmission facilities shall be inspected during and after project construction, and any subsequent CPM and CBO approved changes thereto. | Within 60 days after first synchronization of the project, transmit to the CPM and CBO items (A) through (C) of this condition. | As built Engineering descriptions / drawings / Summary of inspections | Within 60 days after first synchronization of the project | TBD | | Not Started | |
| 335 | TSE | TSE-7b | CONS | In case of non-conformance, the project owner shall inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken. | In case of non-conformance, inform the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken. | (If Needed) | Within 10 days of discovering non-conformance | As-needed | NA | As-needed | |
| 336 | COMPLIANCE | COMPLIANCE-1 | CONS | Unrestricted Access | N/A | NONE | NA | On-going | NA | In-progress | |
| 337 | COMPLIANCE | COMPLIANCE-2 | CONS | Maintain Project Files on site | N/A | NONE | NA | On-going | NA | In-progress | |
| 338 | COMPLIANCE | COMPLIANCE-3 | CONS | Compliance Verification Submittals | N/A | Varies | NA | On-going | NA | In-progress | |
| 339 | COMPLIANCE | COMPLIANCE-4 | PC | Pre-construction Matrix and Tasks Prior to Start of Construction | Construction shall not commence until the all of the following activities/submittals have been completed: property owners living within one mile of the project have been notified of a telephone number to contact for questions, complaints or concerns; a pre-construction matrix has been submitted identifying only those conditions that must be fulfilled before the start of construction; all pre-construction conditions have been complied with; the CPM has issued a letter to the project owner authorizing construction. | Pre-construction Matrix | Prior to commencement of construction | Complete | Mar-11 | Complete | |
| 340 | COMPLIANCE | COMPLIANCE-5 | CONS | Compliance Matrix | The project owner shall submit a compliance matrix (in a spreadsheet format) with each monthly and annual compliance report which includes the status of all compliance conditions of certification. | Compliance Matrix | Monthly | On-going | NA | In-progress | |

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| 341 | COMPLIANCE | COMPLIANCE-6a | CONS | Monthly Compliance Report List Item 1 Schedule | Summary of the current project construction status, a revised/updated schedule if there are any significant delays and an explanation of any significant changes to the schedule | MCR | Monthly | On-going | NA | In-progress | |
| 342 | COMPLIANCE | COMPLIANCE-6b | CONS | Monthly Compliance Report List Item 2 Documents required by specific conditions | Documents required by specific conditions to be submitted along with the MCR. Each must be identified in the transmittal letter, as well as the conditions they satisfy and submitted as attachments to the MCR. | MCR | Monthly | On-going | NA | In-progress | |
| 343 | COMPLIANCE | COMPLIANCE-6c | CONS | Monthly Compliance Report List Item 3 COC Matrix | See Compliance 5 Also | MCR | Monthly | On-going | NA | In-progress | |
| 344 | COMPLIANCE | COMPLIANCE-6d | CONS | Monthly Compliance Report List Item 4 Conditions Satisfied | A list of conditions that have been satisfied during the reporting period and a description or reference to the actions that satisfied the Condition | MCR | Monthly | On-going | NA | In-progress | |
| 345 | COMPLIANCE | COMPLIANCE-6e | CONS | Monthly Compliance Report List Item 5 Submittal deadlines missed | A List of any submittal deadlines that were missed, accompanied by an explanation and an estimate of when the information will be provided. | MCR | Monthly | On-going | NA | In-progress | |
| 346 | COMPLIANCE | COMPLIANCE-6f | CONS | Monthly Compliance Report List Item 6 changes to Conditions of Certification | A cumulative listing of any approved changes to Conditions of Certification | MCR | Monthly | On-going | NA | In-progress | |
| 347 | COMPLIANCE | COMPLIANCE-6g | CONS | Monthly Compliance Report List Item 7 Other Permits | A listing of any filings submitted to, or permits issued by, other governmental agencies during the month | MCR | Monthly | On-going | NA | In-progress | |
| 348 | COMPLIANCE | COMPLIANCE-6h | CONS | Monthly Compliance Report List Item 8 Compliance activity schedule | A projection of compliance activities scheduled during the next two months. The project owner shall notify the CPM as soon as any changes are made to the project construction schedule that would affect compliance with the Conditions of Certification | MCR | Monthly and ASAP when changes are made to schedule | On-going | NA | In-progress | |
| 349 | COMPLIANCE | COMPLIANCE-6i | CONS | Monthly Compliance Report List Item 9 On-site file | A list of the month's additions to the on-site compliance file | MCR | Monthly | On-going | NA | In-progress | |
| 350 | COMPLIANCE | COMPLIANCE-6j | CONS | Monthly Compliance Report List Item 10 Complaints and Violations | A listing of complaints, notices of violation, official warnings, and citations received during the month, a description of the resolution of he resolved actions and the status of any unresolved actions. | MCR | Monthly | On-going | NA | In-progress | |
| 351 | COMPLIANCE | COMPLIANCE-7 | CONS | Annual Compliance Report including a Key Events List | | ACR | Annual | On-going | NA | Not Started | |

| Item # | Technical Area | Cond. Number | Phase | Description | Verification/Action | Submittal | Submittal Date Required | Expected or Actual Submittal Date | Date of Approval | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 352 | COMPLIANCE | COMPLIANCE-8 | CONS | Confidential Information | Any information the project owner deems confidential shall be submitted to the Energy Commission's Executive Director with a request for confidentiality. | Confidential Filings | As-Needed | As-Needed | NA | As-Needed | |
| 353 | COMPLIANCE | COMPLIANCE-9a | CONS | Annual fees | Payment of Annual Energy Facility Compliance Fee | Initial Annual Compliance Fee | Initial payment due on date of Business Meeting when Energy Commission accepts final decision | On-going | NA | In-Progress | |
| 354 | COMPLIANCE | COMPLIANCE-10a | PC | Reporting of Complaints, Notices and Citations | Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns. Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations. | Telephone Number for Nearby Property Owners to Call | Prior to commencement of construction | Complete | May-11 | Complete | |
| 355 | COMPLIANCE | COMPLIANCE-10b | CONS | Reporting of Complaints, Notices and Citations | Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints, or concerns. Within 10 days of receipt, the project owner shall report to the CPM, all notices, complaints, and citations. | Notice, Complaint, and Citation Reports | Within 10 days of receipt notify CPM | As-Needed | NA | As-Needed | |
| 356 | COMPLIANCE | COMPLIANCE-11 | OPS | Planned Facility Closure | The project owner shall submit a closure plan to the CPM at least 12 months prior to commencement of a planned closure. | Closure Plan | At least 12 months prior to commencement of planned closure | TBD | | Not Started | |
| 357 | COMPLIANCE | COMPLIANCE-12 | CONS | Unplanned Temporary Facility Closure | To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an on-site contingency plan no less than 60 days prior to commencement of commercial operation. | On-site Contingency Plan | No less than 60 days prior to commencement of commercial operation | 4/2/2012 | | Not Started | |

| Item # | Technical Area | Cond. Number | Phase | Description | Verification/Action | Submittal | Submittal Date Required | Expected or Actual Submittal Date | Date of Approval | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 358 | COMPLIANCE | COMPLIANCE-13 | CONS | Unplanned Permanent Facility Closure | To ensure that public health and safety and the environment are protected in the event of an unplanned permanent closure, the project owner shall submit an on-site contingency plan no less than 60 days prior to commencement of commercial operation. In the event of an unplanned permanent 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. A closure plan, consistent with the requirements for a planned closure, shall be developed and submitted to the CPM within 90 days of the permanent closure or another period of time agreed to by the CPM. | On-site Contingency Plan / Closure Plan | No less than 60 days prior to commencement of commercial operation / Within 90 days of permanent closure | 4/2/2012 | | Not Started | |
| 359 | COMPLIANCE | COMPLIANCE-14a | CONS | Post-certification changes to the Decision | The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility. | Post Certification Modifications | As-Needed | As-Needed | NA | As-Needed | |
| 360 | COMPLIANCE | COMPLIANCE-14b | OPS | Post-certification changes to the Decision | The project owner must petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility. | Post Certification Modifications | As-Needed | As-Needed | NA | As-Needed | |

PC = Pre-Construction
CONS = Construction
COMM = Commission
OPS = Operations

# Exhibit 8
# AQCMM Monthly Report

# LG

# Air Quality Construction Mitigation Manager Report

PREPARED FOR: Debi Hertz/CH2M HILL

PREPARED BY: Bradley Allender/LG Constructors

DATE: September 30, 2011

This report is the Air Quality Construction Mitigation Manager (AQCMM) Monthly Compliance Report (MCR) for submittal to the Construction Compliance Manager.

This report is prepared in accordance with the requirements of the Air Quality Construction Mitigation Plan, AQ-SC2, Section 6.

## AQ-SC3, AQ-SC4, AQ-SC5

- **Wind Erosion Control Techniques**
  - Site was watered as required to limit dust erosion.
- **Speed Limit Signage**
  - Installed previously. Post size and location modified for visibility.
- **Track Out BMPs**
  - Installed previously. No Change.
- **Paved Road Sweeping Activities**
  - Bruns Rd at the site entrance was swept as needed.
- **Complaints Filed**
  - None
- **Dust Plume Response**
  - Site and site access road were watered regularly in order mitigate dust plumes.
- **Tier 3 California Emission Diesel Engine Requirements (AQ-SC5)**
  - See Construction Equipment Survey Form.
    - For Tier 3 equipment on site for more than 5 days the Engine Tier Design Table from California Code of Regulations Title 13, Section 2423 is used to determine engine tier.
    - For equipment on site for more than 5 days, where Tier 3 is not available, quotes from two vendors are in Attachment 2.
  - Equipment maintenance letters in Attachment 1.
  - Tier 1 drill rig and forklift exemption requested per AQ-SC5.b.4. See Attachment 3.


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# Appendix B
# Equipment Survey Form

Description of Project Construction Equipment
(To be filled out by the onsite Air Quality Construction Mitigation Manager)

| Equipment Type/Owner | Vehicle/Engine Model Year | Manufacturer | Horsepower | EPA/ARB Engine Tier |
|---|---|---|---|---|
| 14H - Grader/Teichert | 2004/2004 | CAT | 220 | Tier 2** |
| 210LJ - Skip Loader/Teichert | 2009/2009 | Deere | 88 | Tier 3 |
| D9R - Bulldozer/Teichert | 2004/2004 | CAT | 410 | Tier 2** |
| 14H - Grader/Teichert | 2004/2004 | CAT | 220 | Tier 2** |
| 631E - Scraper/Teichert | 1988/2003 | CAT | 450 | Tier 2** |
| 825H/Teichert | 2006/2005 | CAT | 315 | Tier 3 |
| 420E - Backhoe/Cresco | 2010/2010 | CAT | 99.9 | Tier 3 |
| Forklift/Collins | 2006/2005 | TEREX | 99 | Tier 2** |
| D10T/Teichert | 2006/2006 | CAT | 570 | Tier 3 |
| Vibratory Roller/Teichert | 2005/2005 | IR/Cummins | 156 | Tier 2** |
| Portable Generator/Holt | 2011/2011 | Wacker Neuson/ Deere | 158 | Tier 3 |
| Vibratory Roller/Teichert | 2005/2005 | IR/Cummins | 156 | Tier 2** |
| WA450 Loader/Teichert | 2005/2005 | Komatsu | 216 | Tier 2** |
| PC400 Excavator/Teichert | 2005/2005 | Komatsu | 330 | Tier 2 |
| Forklift G12-55A/United | 2011/2011 | JLG | 130 | Tier 3 |
| 210LJ - Skip Loader/Teichert | 2010/2010 | Deere | 73 | Tier 3 |
| PC300 Excavator/Teichert | 2006/2006 | Komatsu | 242 | Tier 3 |
| 336E Excavator/Holt | 2011/2010 | CAT | 314 | Tier 3 |
| 623G - Scraper/Teichert | 2006/2005 | CAT | 365 | Tier 2** |
| Track mounted drill/Sac Drilling | 2003/2002 | SOILMEC | 205 | Tier 1**** |
| TL140 Bobcat/United | 2007/2006 | TAKEUCHI | 81 | Tier 2** |

# Appendix B
# Equipment Survey Form

| | | | | |
|---|---|---|---|---|
| TL1055 Forklift/Cresco | 2011/2011 | CAT | 125 | Tier 3 |
| H360XLZ Forklift (30k)/United | 2004/1998 | Hyster | 155 | Tier 1**** |
| 349E Excavator/Holt | 2011/2011 | CAT | 317 | Tier 4i |
| GR500XL-1 Crane/Coastline | 2008/2007 | TADANO | 223 | Tier 3 |
| Track mounted drill/Sac Drilling | 2002/2002 | SOILMEC | 200 | Tier 1**** |
| 580 Super N Backhoe/Flores | 2011/2011 | Case | 97 | Tier 3 |
| Forklift G12-55A/RSC | 2011/2011 | JLG | 130 | Tier 3 |
| CP-56 - Roller/Teichert | 2009/2009 | CAT | 156 | Tier 3 |
| | | | | |
| * Tier 3 not required per AQCS5 - On site 5 days or less | | | | |
| ** Tier 3 not required per AQCS5 - Tier 3 not available, 2 quotes provided | | | | |
| *** Removed from site - Does not meet AQSC4 | | | | |
| **** Specialty equipment. Exemption requested. | | | | |

Note:
For all construction equipment 50 hp or higher that do not meet the Tier 3 California Emission Standards for Off-Road Compression- Ignition Engines, quotes from two separate vendor sources must be attached, documenting that the equipment in question is not available at the Tier 3 level

# AQCMM Monthly Report

## Attachment 1

## Equipment Maintenance Letters

Stockton District
265 Val Dervin Parkway
P.O. Box 1118
Stockton, CA 95201-1118
(209) 983-2300 FAX (209) 983-2375

**TEICHERT CONSTRUCTION**

*Established 1887*

September 30, 2011

**CH2M Hill**
**Brad Allender**

**RE: Mariposa Energy Project**

SUBJECT: Off Highway Diesel Engine Maintenance Compliance

Mr. Allender,

This correspondence is to confirm A. Teichert & Son, Inc. maintains all off highway diesel engines in accordance with manufacturers' OEM specification.

Best regards,

Patrick Maul
Equipment Superintendent,
Teichert Mobile Equipment Division

1234 W. Charter way
Stockton CA 95206

September 21, 2011

Ms. Julie Range
Teichert Construction

Dear Ms, Range

The following equipment has been serviced and maintained to the manufactures specifications.

349E excavator, Serial number TFG00275
336E excavator, Serial number BZY00405

Regards,

Collin Turk
Holt of California
1234 W. Charter way
Stockton, CA 95206
P 209-462-3660
F 209-946-1777
C 209-649-3756
E Cturk@holtca.com

Friday, October 07, 2011

To Whom It May Concern,

Cresco Equipment Rentals has an established maintenance system which routinely keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

For large, metered equipment we have initial machine services done within the first 50 or 100 hours of the machine life, then regularly scheduled maintenance every 250 hours or per the various equipment manufacturers specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call John Mazur or Tyler Hardy at Cresco Product Support 925-228-9152.

Thank You,
John Mazur
Service Manager
Cresco Product Support

191 Howe Rd
Martinez CA, 94553
925-228-9152 ext.224
925-228-4552 fax

**To whom it may concern:**

**I Rick Flores the owner of Flores Backhoe Service,**

**I service and maintain my own backhoe.**

**Thank you**

Rick Flores

10. 6. 11

Coastline Equipment
Crane Division

**325 N. 5th Street., Bldg. A, Sacramento, CA 95811 – Tel. No. (916) 440-8090 – Fax No. (916) 440-8094**

**September 30, 2011**

To Whom It May Concern,

Coastline Equipment has a strict maintenance system standard that we adhere to in order to ensure that our fleet is up to manufacturer suggested service levels and in proper operational condition at all times. Our factory trained, certified mechanics maintain all of our rental equipment to manufacturer's specifications.

All maintenance and repair work is documented on work orders specific to each machine and a copy of a work order for a service or repair can be produced upon request. If you have any questions regarding the service or maintenance history of a machine please call **John Shebl at 916-440-8090**.

RSC
Equipment Rental
4030 Pacheco Blvd
Martinez, CA 94553

October 5, 2011

To Whom It May Concern:

RSC Equipment Rental provides quality rentals, service, and sales of new and used equipment to a diverse group of customers in construction, industrial, petrochemical, mining, governmental, and manufacturing markets across North America. We strive to provide a current fleet, so you can be sure you are receiving quality, well-maintained equipment.

We maintain our fleet up to and beyond manufacturers' recommendations by utilizing the services of our factory-trained technicians who document all of their work through our Work Order system. We can take care of the maintenance on the equipment, so you won't need a repair shop, spare parts inventory, mechanics, or extra staff to take care of inventory maintenance records. Should you need information regarding an individual work order for a particular repair or service, we can provide that upon request.

Please feel free to call our office in Martinez if you have any questions. Our Service Manager, Stan Bullard, or Branch Supervisor, Ronnie Mayo, would be happy to assist you with any of your service or maintenance related questions.

Thank you for your business! We appreciate your patronage!

Sincerely,

Charlie Buada
Branch Manager
Charles.buada@RSCRental.com

Office#: 925-370-1000 Fax#: 925-370-1025

Supervisor: Ron Mayo
Ronnie.mayo@RSCRental.com

Service Mngr: Stan Bullard
Stan.bullard@RSCRental.com

2911 E. Fremont St.
Stockton, Ca 95205
Jeremy Davis
209-321-3488

Updated:9/22/11

To Whom It May Concern,

United Rentals, Inc. has an well-known maintenance system which regularly keeps our equipment at or exceeding manufacturers recommended service levels and in proper operational condition.

Our factory Trained mechanics maintain all our owned rental equipment to manufactures specifications.

All maintenance and repair work is documented on work orders specific to each machine, and a copy of a work order for a service or repair can be produced upon request.

If you have any questions regarding the service or maintenance history of a machine, please call Jeremy Davis at 209-321-3488 or John Borelli at 209-461-2816.

**3383 Fitzgerald Road, Suite A.**
**Rancho Cordova, CA 95742**
**Tel: 916-638-1766 Fax: 916-638-3725**
**CA. License #759193, NV. License #0071120, AZ. License #271891**
www.sacramentodrilling.com

Date: October 5, 2011

To Whom It May Concern,

Sacramento Drilling, Inc. has a maintenance program for all of our drill rigs, trucks and equipment that follows the manufactures service requirements.

We also have in place a program that tracks the hour usage on each piece of equipment and services are preformed accordingly. Repair and maintenance work is documented on a work order and daily equipment check sheets for that machine. Copies of these are available if required.

Please contact Pietro Saviotti at Sacramento Drilling, Inc. Tel. 916-295-4512 if you have any questions.

Thank You

Pietro Saviotti
President
Sacramento Drilling, Inc.

Date: September 23, 2011

To Whom It May Concern,

United Rentals has an established maintenance program for all of our rental equipment that follows the manufactures service requirements.

We also have in place a program that tracks the hour usage on each piece of equipment and services are preformed accordingly. Repair and maintenance work is documented on a work order for that machine. Copies of these are available if required.

Please contact Joe Doran at United Rentals #209-948-9500 if you have any questions.

Thank You
Joe Doran
Branch Manger
2911 E. Fremont St.
Stockton CA 95205

# AQCMM Monthly Report

## Attachment 2

## TIER 3

## Non-availability quotes

## Allender, Bradley/BAO

**From:** CJ Boone [CBoone@teichert.com]
**Sent:** Tuesday, September 13, 2011 8:44 AM
**To:** Allender, Bradley/BAO
**Subject:** FW: 623

1 of 2

C.J. Boone
Project Manager
Teichert Construction - Stockton
Ph. 209.983.2315
fax. 209.983.2375
cell. 209 815.2550

---

**From:** Julie Range
**Sent:** Tuesday, September 13, 2011 7:48 AM
**To:** CJ Boone
**Subject:** FW: 623

1 623 letter.

**From:** CTurk@holtca.com [mailto:CTurk@holtca.com]
**Sent:** Monday, September 12, 2011 3:37 PM
**To:** Julie Range
**Subject:** 623

Julie,

Holt of California/The Cat Rental Store does not have a tier 3 623 scrapers available. The best available technology would be a tier 2 scraper.

Please let me know if you have any questions.

Thank you,

Collin Turk
Holt of California/Cat Rental Store
Cell: (209)649-3756

UNITED EQUIPMENT COMPANY
P.O. BOX 740 – 600 W. GLENWOOD
TURLOCK, CA 95381

TELEPHONE (209) 632-9931
FAX (209) 632-8349

TO JULIE DATE 9/13/11 PAGES 1

RICHARD CONS. FROM TOM

THANK-YOU FOR YOUR INQUIRY. HOWEVER PRESENTLY WE DO NOT HAVE ANY 623 TIER 3 SCRAPERS

THANK-YOU..

## Allender, Bradley/BAO

**From:** jrovig@collinselectric.com
**Sent:** Thursday, September 22, 2011 9:04 AM
**To:** Allender, Bradley/BAO
**Subject:** Equipment Maintence Letter

Collins Electrical Company, Inc. - Stockton
611 W. Fremont Street
Stockton, CA 95203
Phone: (209) 323-3636
Fax: (209) 466-4349
Website: www.collinselectric.com

09/22/11

LTR No.: 009

CH2M Hill
9191 S. Jamaica Street
Englewood, CO 80112-5946
Phone: 7202861435
Attn: Bradley Allender

Project: STK-519 Mariposa Energy Underground (415059-4500-1)
Project No.: STK-519
Subject: Equipment Maintence Letter

Dear Mr. Allender

Collins Electrical Co., Inc has been regularly maintaining the Terex fork lift that is on site to the manufacture's specifications and maintenance schedule. These can be found in the owner's manual for further review.

Sincerely,

Jake Rovig

Collins Electrical Company, Inc. - Stockton
(209) 323-3636

cc: Collins Electrical Company, Inc. - Stockton, Cari Baker

JR/jr

Trimble ConstructIob

**UNITED EQUIPMENT COMPANY**
**P.O. BOX 740 – 600 W. GLENWOOD**
**TURLOCK, CA 95381**

**TELEPHONE (209) 632-9931**
**FAX (209) 632-8349**

**TO** JULIE **DATE** 8/23/11 **PAGES** 1

RE: CHART **FROM** TOM

THANK-YOU FOR YOUR INQUIRY. PRESENTLY WE DON'T HAVE ANY TIER 3, 100 000 # EXCAVATORS AVAILABLE FOR RENT.

THANK-YOU.

Thomas J. Fellows

# ECCO
## Equipment Corporation

HEAVY CONSTRUCTION
EQUIPMENT RENTALS

30243 KELSEY STREET • VISALIA, CA 93291
(559) 651-0116 • (800) 729-3226 • FAX (559) 651-0986


August 24, 2011

To Whom It May Concern:

Re: Mariposa Energy Project

Teichert Construction has contacted ECCO Equipment in search of a 100,000 lb., tier 3 excavator for rental. Due to availability of equipment, at this time, ECCO is unable to meet their demand.

Thank You

Veronica Mendoza

Veronica Mendoza/Dispatcher
ECCO Equipment Corporation

## Allender, Bradley/BAO

**From:** Jeff Withers [jwithers@collinselectric.com]
**Sent:** Tuesday, August 23, 2011 1:33 PM
**To:** Allender, Bradley/BAO
**Cc:** Temple Marcee
**Subject:** FW: Tier 3 forklift

FYI

Jeff Withers
Stockton Branch Manager
Collins Electrical Company
209-323-3636 Office
209-466-4349 Fax
209-993-1400 Cell
jwithers@collinselectric.com
If it isn't written It isn't said

-----Original Message-----
From: Jaime Nunez
Sent: Tuesday, August 23, 2011 1:19 PM
To: Jeff Withers
Subject: FW: Tier 3 forklift

-----Original Message-----
From: Glen Schatz [mailto:GLENDS@ahern.com]
Sent: Tuesday, August 23, 2011 11:41 AM
To: Jaime Nunez
Subject: Fw: Tier 3 forklift

----- Original Message -----
From: Glen Schatz
Sent: Tuesday, August 23, 2011 11:38 AM
To: 'jnunez@collinselect.com' <jnunez@collinselect.com>
Subject: Tier 3 forklift

As of today I don't have a tier 3 842 reach fork in my ben cia yard.

THE CAT Rental STORE
Holt of California
(800) RENT CAT
www.holtca.com

(916) 991-8222
7310 Pacific Avenue
Pleasant Grove, CA 95668

(707) 374-7550
1105A Airport Way
Rio Vista, CA 94571

(916) 772-9600
10000 Industrial Avenue
Roseville, CA 95678

(916) 381-9940
8900 Fruitridge Road
Sacramento, CA 95826

(209) 462-3660
1234 West Charter Way
Stockton, CA 95206

(209) 664-3875
700 N. Walnut Road
Turlock, CA 95380

(707) 455-7600
2121 East Monte Vista Avenue
Vacaville, CA 95688

(530) 755-9972
975 North George Washington
Yuba City, CA 95993

1234 W. Charter way
Stockton CA 95206

August 10, 2011

Mr. Jaime Nunez
Collin's Electrical

Dear Mr. Nunez,

Thank you for your interest in renting a Caterpillar TL642 extendable forklift. At this time the only unit available that will meet your specifications in that class of equipment is equipped with a Tier II family engine.

Should a Tier III or better version of this piece of equipment come available I will let you know. However, all of our units are currently on rent.

Should you have any questions or need more information, please feel free to contact me anytime.

Regards,

Collin Turk
Holt of California
1234 W. Charter way
Stockton, CA 95206
P 209-462-3660
F 209-946-1777
C 209-649-3756
E Cturk@holtca.com

**UNITED EQUIPMENT COMPANY**
**P.O. BOX 740 – 600 W. GLENWOOD**
**TURLOCK, CA 95381**

**TELEPHONE (209) 632-9931**
**FAX (209) 632-8349**

**TO** JULIE 944-7448 982-4060 **DATE** 8/18/11 **PAGES** 1

TRICHEAT CONSTRUCTION **FROM** TOM

THANK-YOU FOR YOUR INQUIRY REGARDING T-3 LOADERS. PRESENTLY WE HAVE NO TIER 3 MACHINES AVAILABLE FOR RENT.

Thomas B Sullivan
8/18/11

## Allender, Bradley/BAO

**From:** Julie Range [JRange@teichert.com]
**Sent:** Thursday, August 18, 2011 12:59 PM
**To:** CJ Boone
**Cc:** Pat Maul
**Subject:** FW: 966

Loader letter

---

**From:** CTurk@holtca.com [mailto:CTurk@holtca.com]
**Sent:** Thursday, August 18, 2011 10:48 AM
**To:** Julie Range
**Subject:** 966

Julie,

Holt of California/The Cat Rental Store does not have a tier 3 966 wheel loader available. The best available technology would be a tier 2 compactor.

Please let me know if you have any questions.

Thank you,
Collin

Sent from my iPhone

**Julie Range**

**From:** CTurk@holtca.com
**Sent:** Friday, August 12, 2011 11:05 AM
**To:** Julie Range
**Subject:** 84" padded compactor

Julie,

Holt of California/The Cat Rental Store does not have a tier 3 CP56 compactor available. The best available technology would be a tier 2 compactor.

Please let me know if you have any questions.

Sent from my iPhone

**UNITED EQUIPMENT COMPANY**
**P.O. BOX 740 – 600 W. GLENWOOD**
**TURLOCK, CA 95381**

**TELEPHONE (209) 632-9931**
**FAX (209) 632-8349**

**TO** JULIE (983-2375) **DATE** 8/12/11 **PAGES** 1

TEICHERT **FROM** TOM

THANK-YOU FOR YOUR RENTAL REQUEST
FOR A LATE MODEL TIER 3 84" PADFOOT
WE DO NOT HAVE ONE

WE DO HAVE A 2005 84" PADFOOT

THANK-YOU.

Thomas R. Sullivan

# AQCMM Monthly Report

## Attachment 3

## Special Exemption Requests

Contra Costa Electric
An EMCOR Company

Contra Costa Electric, Inc.
825 Howe Road
Martinez, CA 94553
Ph: 925.229.4250
Fax: 925.228.3265

To Bradley Allender September 8, 2011

From Stan Warner

Subject 30,000 lb fork lift air quality

Phil,

Contra Costa Electric, Inc. regularly rents fork lifts. Our fork lift need for this project demanded an out-of-the ordinary, 30,000 lb fork lift to unload the extra large steel monopoles. There was only one vendor that had the specific fork lift we need.

We have searched other vendors for a fork that is equipped with a Tier 2 or Tier 3 emission, but none are available at this time. None of the other fork lift rental companies has a Tier 2 or Tier 3 fork lift available.

This is the one 30,000 lb fork lift that is available to unload the monopoles.

We will be using is very sparingly on site.

If you have any questions please call me.

Thank you,

Stan Warner
Utility Manager
925-766-0972 cell
925-335-2830

Contra Costa Electric
An EMCOR Company

Contra Costa Electric, Inc.
825 Howe Road
Martinez, CA 94553
Ph: 925.229.4250
Fax: 925.228.3265

To Phil Knox September 7, 2011

From Stan Warner

Subject Drilling Rig air quality

Phil,

Contra Costa Electric, Inc. has subcontracted the installation of the footings to J Jackson Construction. They are using Sacramento Drilling to drill the footings.

We have searched for a drilling rig to drill the footings that is equipped with a Tier 2 or Tier 3 emission, but none are available at this time. None of the other drilling rental companies or drilling subcontractors has a Tier 2 or Tier 3 drilling rig available.

This is the on drilling rig that is available to drill the footings.

If you have any questions please call me.

Thank you,

Stan Warner
Utility Manager
925-766-0972 cell
925-335-2830

# JACKSON CONSTRUCTION

Contractor License Number 779126

4545 N. Brawley Ave Ste.104 Fresno, CA 93722
Phone: (559)275-4677 Fax: (559)275-4678
Signatory to IBEW 1245 Union and MBE Certified Von # 11040054

September 7, 2011

To Whom It May Concern,

J Jackson Construction has subcontracted the drilling of the footing foundations to Sacramento Drilling. Sacramento Drilling has the only drilling rig available to drill the footings at this time. We have searched for other rental companies or subcontractors and there are none available at this time that has the correct Equipment/Drill Rig for these footing foundations that are Tier 3 or 2.

Sincerely,

Jimmie Jackson

Jimmie Jackson
President

One Call Does It All Civil Construction Company

SAFETY AT THE FOREFRONT OF ALL WE DO

License #CA759193, NV0071120, AZ271891
3383 Fitzgerald Rd. Ste.A
Rancho Cordova, CA 95742
ph(916)638-1766 fax(916)638-3725
www.sacramentodrilling.com

September 7, 2011

RE: Air Quality

To Whom It May Concern,

Sacramento Drilling, Inc. does not have a tier 3 or 2 drill rig available to do the work at the Mariposa Project in Byron CA. There are no drill rigs available to rent that is a tier 3 or tier 2. This is the only drill rig available to do this job at this time.

Sincerely,

Pietro G. Saviotti
President

# TIDELANDS

## Hertz, Debi/SAC

**From:** Greg Hull [greg@tidelandsconstruction.com]
**Sent:** Monday, October 03, 2011 5:48 PM
**To:** Romero, Ben/SAC; Hertz, Debi/SAC
**Cc:** Philip Toelkes
**Subject:** Monthly Compliance Report for September 2011
**Attachments:** Construction Equipment Survey September 2011.docx; MEP Equipment Maintenance September 2011.doc; September 2011 Summary of Work Performed MEP_.doc; September_ 2011 Monthly Safety Inspections.doc

Debi Hertz
Air Quality Construction Mitigation Plan
Monthly Compliance Report dated October 1, 2011

Enclosed please find our Monthly Compliance Report for **September 2011** for your review.
Please feel free to contact me if you have any questions.

- **Identify wind erosion control techniques employed during the month**.
  Water trucks are used daily on the project to control fugitive dust.

- **Identify placement of speed limit signage.**
  The work is being performed on a county road with existing signage in place. Construction warning signs are installed daily to notify vehicles of the work.

- **Identify the locations of haul truck wheel washing stations and gravel ramps, and other "track out" BMP's**
  Gravel/Dirt guards have been installed at the temporary spoil area, station 17+25 on the project site.

- **Identify paved road sweeping activities within the project site.**
  The roads are swept and cleaned during the day using a street sweeper.

- **Copies of any complaints filed with the Project Owner**
  No complaints have been filed.

- **Trans-1 requires a list of any Roadway permits issued during the reporting period**.
  No new permits have been received.

- **Trans-5 Has Tidelands been issued any hazardous materials transportation permits**.
  No hazardous materials were transported this month.

- **CUL-8a Has Tidelands imported any fill materials for the project**
  No fill materials have been imported to the project.

- **Worker Safety 3: Monthly Safety Inspection report from the Construction Safety Supervisor**.
  There have been no personal injuries to any employees during the month of September 2011.

Please find attached the Construction Equipment Survey Form, Equipment Maintenance Certification and Construction Status Report and Monthly Safety Inspection Report for September 2011.

Greg Hull

# Appendix B
# Equipment Survey Form

Description of Project Construction Equipment
(To be filled out by the onsite Air Quality Construction Mitigation Manager)

| Equipment Type | Model Year | Manufacturer | Horsepower | EPA/ARB Engine Tier |
|---|---|---|---|---|
| Excavator 321 | 2011 | Caterpillar | 137 | Tier 3 |
| Loader 930 | 2008 | Caterpillar | 149 | Tier 3 |
| Backhoe 420 | 2011 | Caterpillar | 93 | Tier 3 |
| Excavator 210-8 | 2007 | Kobelco | 150 | Tier 3 |
| Loader 930 | 2010 | Caterpillar | 149 | Tier 3 |
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Note:
For all construction equipment 50 hp or higher that do not meet the Tier 3 California Emission Standards for Off-Road Compression- Ignition Engines, quotes from two separate vendor sources must be attached, documenting that the equipment in question is not available at the Tier 3 level.

October 1, 2011
Debi Hertz
Air Quality Construction Mitigation Plan
Reporting Requirements / Equipment Maintenance

Debi

The following correspondence shall certify that the equipment utilized on the Mariposa Energy Project-Raw Water and Pump Station and Pipeline has been maintained in accordance with the manufacturers specified maintenance requirements.

If you have any questions please feel free to contact me.

Greg Hull

# Exhibit 9
# Resource Specialists' Monthly Reports

# Biological Resources Monthly Report

*BIO-2*

# Biological Resources Mitigation Monitoring Monthly Compliance Report for the Mariposa Energy Project September 2011

Prepared for

## Mariposa Energy, LLC

October 2011

CH2MHILL

2485 Natomas Park Drive
Suite 600
Sacramento, CA 95833

**Designated Biologist:**
Todd Ellwood, CH2M HILL
155 Grand Avenue, Suite 800
Oakland, CA 94612
Direct: (408) 839-2402

Email: todd.ellwood@ch2m.com

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**Appendixes**

A Cumulative Wildlife Species Observed In or Near the Project Area
B Representative Site Photographs
C Wildlife Observation Forms

# Acronyms and Abbreviations

| | |
|---|---|
| AMBA | American badger |
| BMP | Best Management Practice |
| BM | Biological Monitor |
| BRMIMP | Biological Resources Mitigation Implementation and Monitoring Plan |
| BUOW | burrowing owl |
| BBID | Byron Bethany Irrigation District |
| CDFG | California Department of Fish and Game |
| CEC | California Energy Commission |
| CPM | Compliance Project Manager |
| CRLF | California red-legged frog |
| CTS | California tiger salamander |
| cogen | cogeneration |
| COC | Condition of Certification |
| D | Drainage |
| DB | Designated Biologist |
| ECM | Environmental Compliance Manager |
| kV | kilovolt(s) |
| MEP | Mariposa Energy Project |
| PG&E | Pacific Gas & Electric |
| RWQCB | Regional Water Quality Control Board |
| SJKF | San Joaquin kit fox |
| WPPP | Stormwater Pollution Prevention Plan |
| SWHA | Swainson's hawk |
| USACE | U.S. Army Corps of Engineers |
| WPT | western pond turtle |
| WEAP | Worker Environmental Awareness Program |

SECTION 1

# Introduction

This Monthly Compliance Report for the Mariposa Energy Project (MEP) has been prepared to comply with California Energy Commission (CEC) Condition of Certification (COC) BIO-2. MEP will be a nominal 200-megawatt (MW) simple-cycle generating facility consisting of four General Electric Energy LM6000 PC-SPRINT natural gas-fired combustion turbine generators and associated equipment. The facility will be located in northeastern Alameda County, California, on an approximately 10 acres of a 158-acre parcel that consists of non-irrigated grazing land, a former wind-turbine development, and an existing cogeneration (cogen) power plant. The MEP site is approximately 7 miles northwest of Tracy, 7 miles east of Livermore, 6 miles south of Byron, and approximately 2.5 miles west of the community of Mountain House.

Temporary construction facilities will include a 9.2-acre worker parking and laydown area immediately east of the MEP site and a 1-acre water supply pipeline parking and laydown area located at the Byron Bethany Irrigation District (BBID) headquarters facility on Bruns Road. Equipment staging for the construction of the transmission line and gas line will take place in the 9.2-acre laydown area. The main laydown area will be in use for approximately 14 months, including during the wet season. Because heavy machinery will be used at the site, portions of the 9.2-acre laydown area will require gravel or road base with an underlayment of geotextile fabric for stabilization. Topsoil stripped from the laydown will be stockpiled onsite inside the laydown area. During project completion, ripping will be performed to a depth no less than 2 feet to reduce compaction of underlying native soils. The resulting roughed soil surface will be smoothed and covered with salvaged topsoil removed from the laydown area during initial ground-breaking activities. The base rock and fabric underlayment will be removed before ripping and replacing the topsoil. This procedure will facilitate post-construction restoration. The temporary laydown area for the water supply pipeline will be located within an existing maintenance yard at BBID's headquarters.

The existing gravel road from Bruns Road provides access to the Byron Cogen Power Plant. A portion of this gravel road will be improved and used during construction and operation of MEP. Improvements resulting in a permanent loss of grassland habitat include widening the road from approximately 10 to about 20 feet, and adding an asphalt layer. Temporary overland access routes to the transmission line corridor and gas line corridor will originate from this main road and all access to the offsite facilities work areas will occur in upland grassland areas only. All nearby seasonal wetlands, such as vernal pools, will be avoided during overland access. Access to the water supply pipeline corridor will be from existing roads including Bruns Road, a portion of the onsite main access road, and a BBID agricultural dirt road.

In addition to the new power plant and associated equipment, the Project includes the following offsite facilities:

- A new 580-foot-long, 8-inch-diameter natural gas pipeline connection with Pacific Gas & Electric's (PG&E) existing high-pressure gas line
- A new 1.8-mile-long, 10-inch-diameter water supply pipeline connection with BBID's Canal 45;
- An approximately 0.7-mile-long, single-circuit, three-phase, 230-kilovolt (kV) transmission line interconnection

The gas pipeline will run generally to the east from the project site, staying on the 158-acre project parcel, and will be installed in a relatively shallow trench. The water supply pipeline will be placed in or along Bruns Road and run from Canal 45 south to the power plant site. The water supply pipeline will cross seven culverts using either underground tunneling (pipe ramming) or open-cut trenching. From Bruns Road, the water supply pipeline will follow the existing access road to the power plant site. The 230-kV line will run generally north from the project site, staying east of the Byron Power Cogen Plant, crossing Kelso Road, and staying east of the PG&E Bethany Compressor Station. It will turn west just north of the Kelso Substation, then turn south to the final interconnect point at PG&E's Kelso Substation.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Protection measures were developed during informal and formal consultation with state and federal agencies to minimize unavoidable project impacts. Project approval from the CEC was on May 18, 2011 and included conditions that must be monitored by the Designated Biologist (DB). The U.S. Army Corps of Engineers (USACE) Nationwide Permit (SPK-2009-01261) (including U.S. Fish and Wildlife Service Biological Opinion [Reference #84120-2009-F-1306-2]) was issued to the project on May 17, 2011. The Regional Water Quality Control Board (RWQCB) 401 Water Quality Certification (WDID #5B01CR00012) was issued to the project on May 26, 2011. The DB or Biological Monitor (BM) will be available during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP) which includes the aforementioned permits. The following report includes a summary of the MEP monitored biological activities for September 2011.

SECTION 2

# Monitored Mitigation Measures

Mitigation measures for the MEP were developed through consultation with the CEC (in consultation with California Department of Fish and Game [CDFG]), USACE, USFWS, and RWQCB. Documentation of compliance with any conditions of the agency permits will be included in this section when required on the project.

## 2.1 Conditions of Certification

All COCs were in compliance for the month of September. The following COCs—BIO-5, BIO-7, BIO-8, BIO-9, BIO-10, BIO-11, BIO-12, BIO-13, BIO-14, BIO-15, and BIO-17—were applicable compliance measures and require specific language to be included in each monthly compliance report. Therefore, each is addressed separately below.

### 2.1.1 BIO-5

BIO-5 states that every worker will attend and participate in the Worker Environmental Awareness Program (WEAP) and the DB and/or BM make site visits to insure that BIO-5 was in compliance. During the month of September, DB Todd Ellwood and BM Steve Sykes verified project compliance with BIO-5.

### 2.1.2 BIO-7

BIO-7 addresses the implementation and application of biological impact and avoidance measures, Best Management Practices (BMPs), Stormwater Pollution Prevention Plan (SWPPP), and staking and flagging of exclusion zones of biological resources. Also, every worker must participate in the WEAP and the DB and/or BM are to make site visits to insure that BIO-7 was in compliance during the month of September.

Installation of worker exclusion fencing and wildlife exclusion fencing progressed in several phases to accommodate construction activities while breeding burrowing owls were present within the project footprint. The first phase (Phase 1) of the fencing plan was completed on June 14, 2011, and included the area associated with the fire pump foundation and water line. Subsequent phases of the fencing plan were completed on July 6, July 11, July 21, and July 25. The BMPs implemented to minimize temporary impacts to Waters of the U.S. were sent to the USACE on June 30, 2011. During the month of September, the DB and BMs verified project compliance with BIO-7 and the conditions of the USACE permit, USFWS Biological Opinion, and RWQCB permit. Additional wildlife exclusion fence was installed along the perimeter of the proposed gas pipeline corridor during September.

### 2.1.3 BIO-8

BIO-8 requires that preconstruction nest surveys be conducted for birds for all project components (i.e., power plant site and linear facilities). Surveys are to include all potential nesting habitat within 500 feet of the MEP site and linear facilities (except for Swainson's

hawk [SWHA], see BIO-15). At least two pre-construction surveys are to be conducted, separated by a minimum 10-day interval. One of the surveys needs to be conducted within the 14-day period preceding initiation of construction activity. Additional follow-up surveys may be required if periods of construction inactivity exceed three weeks in any given area. If active nests are detected during the survey, a no-disturbance buffer zone (protected area surrounding the nest, the size of which is to be determined by the DB in consultation with CDFG and USFWS Migratory Bird Office) and monitoring plan must be developed. The monitoring plan is to include avoidance measures and remedial actions if the avoidance measures are not successful. Nest locations are to be mapped using GPS technology and submitted, along with a weekly report stating the survey results, to the Compliance Project Manager (CPM). The DB is to monitor the nest until he determines that nestlings have fledged and dispersed; activities that might, in the opinion of the DB, disturb nesting activities, are to be prohibited within the buffer zone until such a determination is made. No less than 2 days prior to the start of any ground disturbing activities or construction equipment staging, the project owner is to provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor(s); and a list of species observed.

A survey for nesting birds was performed for the MEP site and linear facilities (and surrounding areas) and submitted to the CEC on May 27, 2011, in anticipation of an early June 2011 start date. Included with the survey report was the bird nest monitoring plan. The DB and BMs performed the preconstruction surveys following standard survey techniques. Based on the surveys conducted in August, all known nests are no longer active, and this was reported in the weekly nesting update submittal dated August 18, 2011. No surveys for nesting birds were conducted during September.

### 2.1.4 BIO-9

BIO-9 requires that the project owner implement measures to manage their construction site, and related facilities, in a manner to avoid or minimize impacts to listed fairy shrimp or tadpole shrimp species and habitat. Avoidance and minimization measure are to include a buffer zone of 250 feet or the limit of the immediate watershed supporting the seasonal wetland (whichever is larger) around all known and potentially occupied branchiopod habitat. The buffer zone is to be delineated with temporary fencing. The fencing must be kept in good repair and remain installed for the duration of MEP construction. If this buffer zone is not feasible for any potential habitat, a buffer zone may be delineated in consultation with CDFG and USFWS. The BM will be onsite during all ground disturbing work within 250 feet of potential branchiopod habitat, and will oversee all off-road vehicle access for the project. To the extent possible, construction of the linear projects will occur during the dry summer season to minimize the potential for indirect effects on nearby branchiopod habitat.

A reduced buffer zone of 25 feet along the transmission line corridor was approved by the USFWS in the Biological Opinion. The buffer zone was delineated with worker exclusion fence (BIO-7) on June 14, 2011. The DB and BMs were onsite daily during construction activities and verified project compliance with BIO-9.

### 2.1.5 BIO-10

BIO-10 requires a CPM (in consultation with the USFWS and CDFG)-approved California red-legged frog (CRLF) and California tiger salamander (CTS) management plan that presents measures to manage the construction site, and related facilities, in a manner to avoid and minimize impacts to CRLF and CTS. The measures are to include at a minimum: avoidance; exclusionary fencing; clearance surveys; burrow avoidance along linear routes; daily checks for CRLF and CTS under equipment; seasonal work restrictions; habitat avoidance; speed limits; road mortality monitoring along Bruns Road; implementation of SWPPP BMPs; and installation of a perimeter barrier around the MEP site during plant operations. No less than 30 days prior to the start of any project-related ground disturbance, the project owner is to provide the final Management Plan to the CPM, CDFG, and USFWS. The final, approved Management Plan must be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented. Within 60 days of completion of the permanent power plant site fence, the project owner is to submit a figure and photographs to the CPM, CDFG, and USFWS of the CTS and CRLF barrier fence.

The management plan was submitted to the CPM and USFWS on June 8, 2011. Preconstruction surveys associated with the fire pump foundation work and water line construction for CRLF and CTS were completed on May 27, May 31, and June 14. Additional preconstruction surveys associated with the progression of the wildlife exclusion fence (BIO-7) at the MEP site occurred on June 6, June 11, June 21, and June 25. Preconstruction surveys associated with the installation of utility poles and wiring by PG&E for the temporary power supply to the trailer village were performed on September 1. A preconstruction survey associated with extension of the wildlife exclusion fence to incorporate the area for the PG&E natural gas pipeline was conducted on September 29. Additional preconstruction surveys of the transmission line corridor were conducted on September 2 and 6. Once the transmission line worker exclusion fencing was in place, the BM (Steve Sykes) flagged a vehicle access route through this area that avoided damage to burrows within the corridor. Additionally, any burrows that could not be avoided by work activities within the transmission line corridor were protected by covering them with ¾ inch plywood for the duration of work that day. Plywood was removed at the end of work each day. No CRLF or CTS were observed during the surveys and none have been found onsite during project construction. The DB and/or BM were onsite daily during construction activities and verified project compliance with BIO-10.

### 2.1.6 BIO-11

Requires direct impacts avoidance to western pond turtles (WPT) by implementing pre-construction surveys concurrent with the CRLF and CTS pre-construction surveys (BIO-10). WPT must be avoided to the extent possible and avoidance areas are to be delineated by exclusionary fencing. If WPTs are found within the project disturbance area that cannot be avoided, the WPTs must be relocated to the CPM (in consultation with CDFG)-approved relocation site. The project owner is to submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground-disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures. Within 30 days after completion of construction of the project linears, the project owner is to provide to the CDFG and CPM a

written construction termination report identifying how impact minimization measures have been completed.

Preconstruction surveys associated with the fire pump foundation work and water line construction for WPT were completed on May 27, May 31, and June 14. Additional preconstruction surveys associated with the progression of the wildlife exclusion fence (BIO-7) at the MEP site occurred on June 6, June 11, June 21, and June 25. Preconstruction surveys associated with the installation of utility poles and wiring by PG&E for the temporary power supply to the trailer village were performed on September 1. A preconstruction survey associated with extension of the wildlife exclusion fence to incorporate the area for the PG&E natural gas pipeline was conducted on September 29. Additional preconstruction surveys of the transmission line corridor were conducted on September 2 and 6. No WPTs were observed during the surveys.

The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-11.

### 2.1.7 BIO-12

BIO-12 requires the project owner to implement the measures to manage their construction site, and related facilities, in a manner to avoid or minimize impacts to breeding and foraging burrowing owls (BUOW). These measures include: preconstruction surveys; avoidance measures such as buffer zones and monitoring; and implementation of a CPM (in consultation with CDFG)-approved BUOW management plan. The DB is to provide the CPM and CDFG pre-construction survey results within 10 days of the completion of the survey. If pre-construction surveys detect BUOW within 500 feet of proposed construction activities, the DB is to provide to the CPM and CDFG documentation indicating that non-disturbance buffer fencing has been installed no less than 10 days prior to the start of any project-related site disturbance activities. The documentation must include both a figure and photographs showing the location of the fencing. If pre-construction surveys detect BUOW or active BUOW burrows within the project disturbance area, the project owner must provide to the CPM and CDFG a final Burrowing Owl Mitigation Plan no less than 10 days prior to the start of construction. The measures described in the plan must be incorporated into the BRMIMP no less than 10 days of completion of the plan, and implemented. The project owner is to report monthly to the CPM and CDFG for the duration of construction on the implementation of BUOW avoidance and minimization measures. Within 30 days after completion of construction the project owner must provide to the CDFG and CPM a written construction termination report identifying how mitigation measures, including those measures described in the plan if a plan was required, have been completed.

The BUOW management plan was submitted to the CPM on April 24, 2011. A total of six active burrowing owl burrows were detected within 500 feet of the project area during preconstruction surveys (BIO-8). Of these, five of the burrows were within 250 feet of the project. Worker exclusionary fencing (BIO-7) was installed at least 250 feet from each of the five burrows and each breeding pair was monitored at a minimum weekly (described in the weekly bird nest monitoring reports) during project construction. Two breeding pairs that occurred within the proposed 9.2-acre laydown area were determined to have abandoned the burrows on June 30, 2011; therefore, both burrows in coordination with the CPM and

CDFG were fitted with one-way doors on July 5 (passive relocation) and subsequently excavated by hand and collapsed by the BM to prevent reoccupation on July 8. The owlets associated with a breeding pair located along the proposed MEP access road were determined to have fully fledged on July 13, 2011. Therefore, in accordance with the CEC and CDFG approved management plan, the DB commenced passive relocation on July 15 and subsequently collapsed the burrow to prevent reoccupation.

No new active BUOW sites were discovered during the month of September. BUOW were observed regularly in the area east of the Byron Cogen facility. The closest active BUOW location in this area is 310 feet east of the worker exclusion fencing around the transmission line corridor. The second closest active BUOW location is 425 feet southeast of the worker exclusion fencing of the transmission line corridor. One-way doors installed on burrows near the Byron Cogen facility remained in place during September. They were inspected regularly to ensure they remained in place and no sign of BUOW was observed in this area.

The DB and/or BMs ensured that all site work that occurred during September avoided BUOWs and the worker exclusion fencing remained in good repair. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-12.

### 2.1.8 BIO-13

BIO-13 requires the avoidance of direct impacts to American badgers (AMBA) by implementing pre-construction surveys concurrent with the San Joaquin kit fox (SJKF) and BUOW pre-construction surveys. The DB must perform pre-construction surveys for AMBA dens in the project area, including areas within 200 feet of all project facilities, utility corridors, and access roads. If dens are detected each den is to be classified as inactive, potentially active, or definitely active. Den avoidance, monitoring, and destruction methods must adhere to those prescribed for SJKF avoidance and minimization (BIO-14). The project owner is to submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground-disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed impact minimization measures. Within 30 days after completion of construction of the project, the project owner must provide to the CDFG and CPM a written construction termination report identifying how impact minimization measures have been completed.

The initial AMBA preconstruction survey occurred on May 31, 2011, and several follow-up surveys occurred associated with the progression of wildlife exclusion fencing (BIO-7). No AMBA or their sign (scat or tracks) were observed during preconstruction surveys. A total of nine potential SJKF dens, which were also considered potentially suitable for AMBA, were detected during the May 31 survey within 200 feet of the project. Seven of the nine burrows excavated by the DB and/or BMs in June and July 2011 were determined to be unoccupied by SJKF and AMBA, thus they were subsequently backfilled to prevent future occupation by both species. Consistent with the USFWS survey protocol, the other two potential kit fox dens were not excavated because they occur greater than 50 feet from the project site. During September, no sign of kit fox or badger use was observed at any burrow. No AMBA were observed or reported in the project area during September 2011. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-13.

### 2.1.9 BIO-14

BIO-14 requires the project owner to prepare and implement a SJKF Management Plan that includes the following measures, developed in cooperation with USFWS and CDFG: preconstruction surveys; exclusion zones; avoidance measures related to destruction of dens; and avoidance and minimization measures related to construction and operational activities. The project owner is to submit to the CPM, CDFG, and USFWS the final SJKF Management Plan no less than 30 days prior to the start of ground disturbing activities or construction equipment staging. The mitigation measures in the plan must be incorporated into the BRMIMP within 10 days of completion of the plan, and implemented. The project owner is to submit a report to the CPM and CDFG at least 10 days prior to the start of any ground disturbing activities or construction equipment staging that describes when surveys were completed, observations, and proposed minimization measures. No less than 30 days after completion of construction of the project linears, the project owner must provide to the USFWS, CDFG, and CPM a written construction termination report identifying how impact minimization measures in the plan have been completed

The SJKF management plan was submitted to the CPM and USFWS on April 25, 2011. The initial SJKF preconstruction survey occurred on May 31, 2011, and several follow-up surveys associated with the progression of wildlife exclusion fencing (BIO-7) occurred during June. No SJKF or their sign (scat or tracks) were observed during preconstruction surveys. A total of nine potential SJKF dens were detected during the May 31 survey. In accordance with the management plan and USFWS Biological Opinion, seven burrows were excavated carefully by the DB and/or BMs in June and July 2011 were determined to be unoccupied by SJKF and AMBA, thus they were subsequently backfilled to prevent future occupation by both species. No SJKF were observed or reported in the project area during September 2011. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-14.

### 2.1.10 BIO-15

BIO-15 requires that if construction occurs during the SWHA breeding season (March through August), a pre-construction nest survey must be conducted within 30 days prior to the beginning of construction activities by a qualified biologist in order to identify active nests in the project site vicinity. Surveys are to be conducted according to the *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley*. If active nests are found within 0.5 mile of the project disturbance area, an initial temporary nest disturbance buffer must be established. If project related activities within the temporary nest disturbance buffer are determined to be necessary during the nesting season (approximately March 1 and September 1), then a biologist experienced with raptor behavior must be retained by the project owner to monitor the nest, and must, along with the project owner, consult with the CPM and CDFG to determine the best course of action necessary to avoid nest abandonment or take of individuals. The DB or BM approved for raptor monitoring must be onsite daily while construction related activities are taking place and must have the authority to stop work if raptors are exhibiting agitated behavior. In consultation with the CPM and CDFG and depending on the behavior of the raptors, over time it may be determined that the onsite biologist/monitor may no longer be necessary due to the raptors' acclimation to construction related activities. The project owner must submit a report to the CPM and CDFG no less than 10 days prior to the start of any ground

disturbing activities or construction equipment staging, that describes when SWHA surveys were completed, identification and qualifications of the biologist conducting the surveys, observations, and, if required, updates to the BRMIMP based upon findings.

A single active SWHA nest was observed during preconstruction surveys (BIO-8) approximately 0.48 mile west of the MEP site. Because the project lies within 0.5 mile of the nest site, the DB consulted with CEC and CDFG on June 10, 2011, was authorized to reduce the avoidance buffer from 0.5 to 0.48 mile. During daily monitoring, it was determined by the DB that the nesting pair due to undetermined natural causes abandoned the nest site. The DB and/or BMs monitored the abandoned nest site weekly thereafter for any signs of re-occupancy. No nesting activity was observed during September. The DB and/or BMs were onsite daily during construction activities and verified project compliance with BIO-15.

### 2.1.11 BIO-17

BIO-17 requires avoidance and minimization of impacts to wetlands and waters. No less than 10 days prior to ground disturbance, the project owner must provide the CPM, CDFG, and USFWS with a report identifying the location of any protective fencing, including a figure and photographs that show the fencing. If bentonite will be used, an Emergency Spill Response Plan, a "Frac-out" Monitoring Plan, and a Biological Monitoring Plan must be submitted to the CDFG for review and comment and to the CPM for approval no less than 30 days prior to the start of project ground-disturbing activities. Plan approval must be obtained before construction using bentonite may commence. The project owner must report monthly to the CPM, CDFG, and USFWS for the duration of construction on the implementation avoidance and minimization measures. Within 30 days after completion of construction the project owner must provide to the USFWS, CDFG, and CPM a written construction termination report identifying how mitigation measures have been completed.

Starting on June 14, 2011, wildlife exclusion fencing and worker exclusion fencing (BIO-7) were installed for the protection of wetland and waters. No bentonite will be used during project construction; therefore, a Frac-out monitoring plan will not be necessary. No impacts to wetlands and other jurisdictional waters occurred during September. The DB and BMs were onsite daily during construction activities and verified project compliance with BIO-17, USACE Nationwide Permit, and RWQCB Water Quality Certification.

## 2.2 Worker Environmental Awareness Program

The WEAP was developed exclusively for MEP. Program materials include a worker handbook, training video, posted speed limit signs and sensitive species awareness supporting posters. As required by the CEC COC BIO-5, all new employees must attend the WEAP. A total of 91 personnel received WEAP training in September. The onsite deputy Environmental Compliance Manager (ECM) administered the WEAP training to new employees. Copies of the signed training logs are kept on file at the construction site.

SECTION 3

# Summary of Site Activities and Monitoring Observations

This section provides a summary of September project activities and associated biological monitoring. A cumulative wildlife species list is included in Appendix A. During September the onsite BM was Steve Sykes. The DB and BMs complete logs summarizing activities, personal interactions, and observations made during each site visit. Monitoring visits by the DB and/or BMs were conducted daily to document permit compliance. These logs are available on request. Representative photographs are included in Appendix B. Wildlife Observation Forms completed by the BMs when wildlife was directly encountered during construction activities in September are included below in Appendix C.

## 3.1 Week 13 (September 1-2)

Tidelands crew worked along on water supply pipeline route cleaning up excess dirt along the wildlife exclusion fence and repairing sections of wildlife exclusion fence. PG&E had workers onsite to work on three power poles associated with establishing temporary construction power to the main site. The J. Jackson crew responsible for the installation of transmission line tower foundations started onsite on September 2. They worked on positioning the Baker Box (drilling fluid storage) and moving the worker exclusion fencing.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundary, which was delineated by the worker and wildlife exclusion fencing. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. Up to four burrowing owls continued to occupy 2 different burrow sites that were 300 and 450 feet away from the transmission line corridor. No special-status species, including CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported during week 13. During week 13, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

## 3.2 Week 14 (September 6-9)

Tidelands spent a few days digging along the installed waterline to find a leak. They installed fiber optic pull boxes near the main site access road, and near the intersection of Bruns Road and Kelso Road. No animals were found in open trenches this week. Sacramento Drilling (subcontractor to J. Jackson) filled the Baker Box with water and mixed up the drilling fluid. They drilled a test hole at Pole 5 and backfilled this hole. They also drilled the holes for Pole 1, 2, and 3. The crews consulted with the BM (Steve Sykes) to determine the best place to dump spoils from the drilling. The BM asked the crews to place plywood over ground squirrel burrows that were close to the drilling rig. Plywood was used to cover these holes and the BM requested the crew use dirt to seal around the edges of the plywood to prevent small animals from entering the hole. J. Jackson worked on

preparing the concrete forms and had materials delivered to the site. The BM flagged a vehicle access path through the transmission line corridor that avoided impacts to burrows.

All site disturbances remained inside the approved work boundaries, which was delineated by the worker and wildlife exclusion fencing. No special-status species, including CRLF, CTS, SJKF, or AMBA, were observed or reported during week 14. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. Up to three burrowing owls were observed to occupy two different burrow sites that were 300 and 450 feet away from the transmission line corridor. During week 14, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

## 3.3 Week 15 (September 12-16)

Tidelands worked on pressure testing the water supply pipeline. They installed two fiber optic pull boxes. Once these boxes were installed, the soil was compacted and concrete was poured around them. Tidelands also worked on restoring the water supply pipeline right of way, repairing the wildlife exclusion fence south of Kelso Road, and removing the wildlife exclusion fence north of Kelso Road. When these tasks were completed they worked on installing the pipe near the pump house to tie their pipeline to the pump house. No animals were found in open trenches this week.

J. Jackson crew was delivering and unloading materials, preparing concrete forms, and preparing the holes for a concrete pour. The concrete form for Pole 3 was suspended over the top of the hole, so it was no longer possible to seal this hole off with plywood boards over the hole as had been done previously. The BM (Steve Sykes) instructed them to erect a wildlife exclusion fence around this hole to prevent animals from entering the open hole.

All site disturbances remained inside the approved work boundaries, which was delineated by the wildlife and worker exclusion fencing. No special-status species, including CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported during week 15. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. Up to three burrowing owls were observed to occupy 2 different burrow sites that were 300 and 450 feet away from the transmission line corridor. During week 15, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

## 3.4 Week 16 (September 19-23)

Tidelands worked on scraping and repaving portions of Bruns Road, and pulling the loose dirt from the shoulder of the road so it was flush with edge of the pavement. They also worked on redirecting a storm water line near the pump house, installing the surge tank, installing underground pipe near the pump house and above ground pipe to tie the pump house with the water line. A western toad (*Anaxyrus boreas*) was inadvertently unearthed when they were digging along the south side of the pump house cement slab. The toad was injured, and had a rear leg severed by the backhoe. Although the BM (Steve Sykes) was present during the digging, the toad was already injured when it first appeared in the trench. They also worked on doing the final repair of the wildlife exclusion fence (ensuring

all supporting posts had 3 attached zip ties, bottom of fence was below ground, and all holes were patched) before the responsibility for this fence was transferred to the main site contractor, LG Constructors. One of the Tidelands workers was threading a copper pipe and lubricating oil was dripping onto the ground. The BM asked the worker to use a catch bucket to catch the dripping oil and clean up the spots that had fallen to the ground.

J. Jackson poured the concrete for Pole 1 and 3. J. Jackson workers consulted with the BM to determine the best positioning of concrete trucks in the work area that would avoid impact to burrows. One burrow that could not be avoided was covered with ¾ inch plywood to protect it from collapsing. During the washout of one of the concrete trucks some washout water spilled onto the ground. The BM requested that the spilled water and affected dirt be scraped up and put into the concrete containment bin.

All site disturbances remained inside the approved work boundaries, which were delineated by the worker and wildlife exclusion fencing. No special-status species, including CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported during week 16. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. No burrowing owls were observed this week, and no new active burrowing owl locations were observed near the transmission line corridor. During week 16, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

## 3.5 Week 17 (September 26-30)

Tidelands worked near the pump house connecting the associated pipes, and also extending a pipe to Canal 45. While the crew was digging along Canal 45, an adult Pacific treefrog (*Pseudacris regilla*) emerged from the spoil pile. It was not injured, and the BM (Steve Sykes) removed it from the work area and released it downstream along Canal 45. Tidelands finished the final repairs to the wildlife exclusion fence along Bruns Road, and responsibility for maintaining these fences was transferred to LG Constructors. Tidelands also installed signage along the right of way identifying the position of the water supply pipeline.

J. Jackson and Sacramento Drilling crews drilled the holes for Pole 4 and 5 foundations and poured the concrete. They drilled the hole for Pole 2, but did not complete this foundation because they could not get concrete from their supplier this week. These crews consulted with the BM about the best place to stockpile spoils from the hole that would minimize impacts to small mammal burrows in the work area. Burrows that could not be avoided were covered with ¾ inch plywood to prevent them from collapsing. They also consulted with the BM to determine the best place to position vehicles in the work area. The BM flagged a path for the concrete trucks to use that minimized disturbance to burrows. At the end of the work day, J. Jackson crew covered the open hole for Pole 4 foundation with plywood supported on 4 x 4 lumber over the hole. The BM requested that they place plastic around the edge of the hole and weigh it down with dirt to seal it off from small animals.

Teichert installed the wildlife exclusion fence associated with the PG&E natural gas pipeline. The BM did a preconstruction survey of the area and found no special-status species (or sign of these species) within the wildlife exclusion fence. The only animal observed within the wildlife exclusion fence was a ground squirrel.

Teichert/Azco worked on extending the water supply pipeline from its terminus on Bruns Road into the site. While trenching along the access road, one of the workers found a large gopher snake (*Pituophis catenifer catenifer*) along the inside of the wildlife exclusion fence near their work area. The snake was uninjured and the BM moved it to a burrow 300 feet outside the wildlife exclusion fence. Another snake (species unknown) was observed by a worker under a garbage can in the trailer village. The BM tried to locate this snake, but it disappeared under one of the trailers and was not found.

No animals were found in open trenches this week. All site disturbances remained inside the approved work boundary, which was delineated by the worker and wildlife exclusion fencing. No special-status species, including CRLF, CTS, SJKF, AMBA, or WPT, were observed or reported during week 17. MEP site activities avoided the 250-foot buffer around all currently-occupied burrowing owl sites. One burrowing owl was observed to occupy 2 different burrow sites that were 300 and 450 feet away from the transmission line corridor. During week 17, the project complied with all biological resources COCs and with the conditions of the USACE, USFWS, and RWQCB permits.

# Appendix A
# Cumulative Wildlife Species Observed In or Near the Project Area

APPENDIX A

# Cumulative Wildlife Species Observed In or Near the Project Area

**TABLE A-1**
Cumulative Wildlife Species Observed In or Near the MEP Area

| Common Name | Scientific Name |
|---|---|
| **Birds** | |
| Mallard | *Anas platyrhynchos* |
| Great blue heron | *Ardea herodias* |
| Turkey vulture | *Cathartes aura* |
| White-tailed kite | *Elanus leucurus* |
| Northern harrier | *Circus cyaneus* |
| Red-tailed hawk | *Buteo jamaicensis* |
| Swainson's hawk | *Buteo swainsoni* |
| American kestrel | *Falco sparverius* |
| Killdeer | *Charadrius vociferus* |
| Common snipe | *Gallinago gallinago* |
| Gull | *Larus* sp. |
| Rock dove (*exotic*) | *Columba livia* |
| Mourning dove | *Zenaida macroura* |
| Barn owl | *Tyto alba* |
| Burrowing owl | *Athene cunicularia* |
| Black phoebe | *Sayornis nigricans* |
| Loggerhead shrike | *Lanius ludovicianus* |
| Western scrub-jay | *Aphelocoma californica* |
| American crow | *Corvus brachyrhynchos* |
| Common raven | *Corvus corax* |
| Horned lark | *Eremophila alpestris* |
| Cliff swallow | *Petrochelidon pyrrhonota* |
| Barn swallow | *Hirundo rutica* |
| Northern mockingbird | *Mimus polyglottos* |
| European starling (*exotic*) | *Sturnus vulgaris* |
| Red-winged blackbird | *Agelaius phoeniceus* |
| Tricolored blackbird | *Agelaius tricolor* |
| Brewer's blackbird | *Euphagus cyanocephalus* |
| Western meadowlark | *Sturnella neglecta* |
| Brown-headed cowbird | *Molothrus ater* |
| House finch | *Carpodacus mexicanus* |
| House sparrow (*exotic*) | *Passer domesticus* |
| **Mammals** | |
| Red fox *(exotic)* | *Vulpes vulpes* |
| Black-tailed hare | *Lepus californicus* |
| California ground-squirrel | *Spermophilus beecheyi* |
| Audubon's cottontail | *Sylvilagus audubonii* |
| Botta's pocket gopher | *Thomomys bottae* |
| **Reptiles** | |
| California kingsnake | *Lampropeltis getula californiae* |
| Pacific gopher snake | *Pituophis catenifer catenifer* |
| Western fence lizard | *Sceloporus occidentalis* |
| Western pond turtle | *Actinemys marmorata* |
| **Amphibians** | |
| Western toad | *Bufo boreas* |
| Chorus frog | *Pseudacris regilla* |

# Appendix B
# Representative Site Photographs

APPENDIX B

# Representative Site Photographs

**PHOTO 1**
View looking south of trench plates being installed at SW-2 within the transmission line corridor.
*Photo taken: 9/2/11*

**PHOTO 2**
Sacramento Drilling crew drilling the hole for Pole 3 within the transmission line corridor.
Photo taken: 9/7/11

**PHOTO 3**
Biological Monitor holding a large gopher snake removed from inside the wildlife exclusion fence. The snake was not injured, and released 300 feet outside the exclusion fence.
*Photo taken: 9/29/11*

**PHOTO 4**
Installation of wildlife exclusion fence around the PG&E natural gas pipeline work area.
*Photo taken: 9/29/11*

**PHOTO 5**

Northeastern view of wildlife exclusion fence installed around the PG&E natural gas line work area. Orange worker exclusion fence along the transmission line corridor is visible in the distance.

*Photo taken: 9/29/11*

# Appendix C
# Wildlife Observation Forms

# WILDLIFE OBSERVATION FORM

## To Record Animals Found In Mariposa Energy Project Work Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: Steve Sykes

Date: 9/20/11

Location of observation: South side of cement platform for the new pump house, South side of Canal 45, East side of Bruns Rd.

Wildlife Species: Western Toad

Condition of wildlife:

alive [X] dead [ ] injured, back left leg severed

Possible cause of injury or death:

Backhoe digging trench for water line

Where is the animal currently?

Released on the west side of Bruns Road

Is the resource in danger of project (or other) impacts?

No

Comments: Appeared in trench suddenly and was already injured. It was buried underground before we dug it up. Photos taken.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220
BIOLOGICAL FIELD MONITORS: TBD

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

# WILDLIFE OBSERVATION FORM

## To Record Animals Found In Mariposa Energy Project Work Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: Steve Sykes

Date: 9/26/11

Location of observation:

Along Canal 45

Wildlife Species: Pacific treefrog - adult

Condition of wildlife:

alive [X] dead [ ]

Possible cause of injury or death:

none - uninjured

Where is the animal currently?

released outside the work area along Canal 45

Is the resource in danger of project (or other) impacts?

No.

Comments: The frog jumped out of the spoil pile when the crew was digging along Canal 45. It was uninjured and released outside the work area along Canal 45. No photos taken.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220
BIOLOGICAL FIELD MONITORS: TBD

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

# WILDLIFE OBSERVATION FORM

## To Record Animals Found In Mariposa Energy Project Work Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: Steve Sykes

Date: 9/29/11

Location of observation: Along wildlife exclusion fence (inside) near trench for installation of raw water line

Wildlife Species: Gopher Snake

Condition of wildlife:

alive [X] dead [ ]

Possible cause of injury or death:

none

Where is the animal currently?

released into a burrow 300 feet south of wildlife exclusion fence

Is the resource in danger of project (or other) impacts?

No

Comments: Very large specimen. Photos taken.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220

BIOLOGICAL FIELD MONITORS: TBD

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

# WILDLIFE OBSERVATION FORM

## To Record Animals Found In Mariposa Energy Project Work Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee: Steve Sykes

Date: 9/29/11

Location of observation: under management trailer in trailer area inside the wildlife exclusion fence

Wildlife Species: Snake - I did not see it

Condition of wildlife:

alive [X] dead [ ]

Possible cause of injury or death:

none

Where is the animal currently?

was not found - still in the area

Is the resource in danger of project (or other) impacts?

still inside the wildlife exclusion fence

Comments:

was observed by a worker under a garbage can
It crawled under a trailer and I could not locate it

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game (CDFG) and United States Fish and Wildlife Service (USFWS) to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Todd Ellwood Cell (408) 839-2402 Office (415) 541-7220
BIOLOGICAL FIELD MONITORS: TBD

COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600

# Cultural Resources Monthly Reports

# Monthly Report of Cultural Resources Monitoring Activities for the Mariposa Energy Project – September 2011; Condition of Certification CUL-6

PREPARED FOR: Chris Curry/Mariposa Energy, LLC
James Spicer/Mariposa Energy, LLC
Debi Hertz/CH2M HILL
Keith McGregor/CH2M HILL
Doug Urry/SAC

PREPARED BY: Clint Helton/CRS

REPORTING FOR PERIOD: September 2011

This report covers cultural resources monitoring activities at MEP for the month of September 2011, as required by Conditions of Certification CUL-6.

## Personnel Active in Cultural Monitoring This Period

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

## Monitoring and Associated Activities This Period

No monitoring occurred this month. As per CUL-6, monitoring will be required if discovery of a CRHR-eligible cultural resource occurs.

## Cultural Resources Discoveries This Period

No new cultural resources discoveries were made this month.

## Anticipated Changes in the Next Period

The CRS will remain on-call to respond to discoveries if they occur.

## Comments, Issues, or Concerns

None.

# Paleontological Resources Monitoring Report

# Mariposa Energy Center (MEP) Condition of Certification (COC) PAL-5 Paleontological Resources Monitoring Report for Construction - September, 2011

PREPARED FOR: Chris Curry/Mariposa Energy, LLC
James Spicer/Mariposa Energy, LLC
Debi Hertz/CH2M HILL
Keith McGregor/CH2M HILL
Doug Urry/CH2M HILL

PREPARED BY: W. G. Spaulding, Paleontological Resources Specialist (PRS)
James Verhoff, Paleontological Resources Monitor (PRM)

DATE: October 4, 2011

This paleontological resources monthly compliance report (MCR) for the MEP covers the period of September, 2011.

## Personnel Engaged in Paleontological Monitoring This Period:

Jaspal Saini- Paleontological Resources Monitor (PRM)

## Training Conducted This Month

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

## Monitoring Conducted This Month

Paleontological resources monitoring of ground-disturbing activities for this project were conducted on the weeks ending:

September 2
September 9
September 16
September 23
September 30

Monitorable excavations, including the excavation of tower footings along the transmission line corridor south of Kelso Road and the excavation of a trench for a water line, occurred in Quaternary valley fill which has previously yielded Pleistocene megafauna at depth. Spot monitoring of excavations at the plant site itself continued and results confirm there are essentially no paleontological materials in these units.

## Paleontological Discoveries This Month

No paleontological discoveries were made this month.

## Anticipated Activities and Changes

Excavations in the Quaternary valley fill concluded at the end of the month, with the exception of three deep foundations remaining along the transmission line north of Kelso Road. No additional excavations in paleontologically sensitive sediment are planned for immediate future, although twice weekly spot monitoring will continue in early October.

## Comments, Issues or Concerns

No issues or concerns came up during this period.

# Stormwater Management Monthly Report

# Monthly Summary of the Drainage, Erosion, and Sediment Control Plan Implementation for the Mariposa Energy Project – September 2011 (Condition of Certification SOIL&WATER-1)

PREPARED FOR: Chris Curry/Mariposa Energy, LLC
James Spicer/Mariposa Energy, LLC

PREPARED BY: Mieke Sheffield/CH2M HILL

COPIES: Keith McGregor/CH2M HILL
Debi Hertz/CH2M HILL
Doug Urry/CH2M HILL
Stephanie Moore/CH2M HILL

DATE: October 3, 2011

The California Energy Commission Condition of Certification SOIL&WATER-1 requires an analysis of the effectiveness of the drainage-, erosion-, and sediment-control measures and the results of the monitoring and maintenance activities. The purpose of this technical memorandum is to summarize the effectiveness of the drainage, erosion, and sediment control measures implemented for the Mariposa Energy Project and the results of associated monitoring and maintenance activities during September 2011.

Construction activities during this month continued with emphasis on construction of underground utilities and placement of concrete foundations.

Wildlife exclusion fencing (WEF) (material satisfies the intent of the silt fence Best Management Practice) was installed around the natural gas pipeline corridor on September 29, 2011. Construction of the water pipeline was completed and the associated disturbed area restored. The WEF, gravel bags and fiber rolls along Bruns Road (north of Kelso Road) were removed. Disturbed areas were compacted and ASW-1 and D-2 were recontoured; fiber rolls were re-installed to catch any mobilized sediment at these two locations. WEF on both sides of Bruns Road remains south of Kelso Road, between Kelso Road and the main access gate, as well as gravel bags at culverts where construction activities would disturb the drainage feature.

There was no precipitation during the month of September 2011.

The QSP designee continued to monitor adherence to good housekeeping practices and implementation/maintenance of BMPs as outlined in the project's Drainage, Erosion, and Sediment Control Plan (DESCP) and Stormwater Pollution Prevention Plan (SWPPP). No amendments to the DESCP/SWPPP were needed this month.

Site inspections were conducted weekly by the project's QSD/QSP on 9/1/11 and QSP designee on 9/8/11, 9/15/11, 9/23/11 and 9/30/11. A quarterly inspection for non-stormwater discharges was conducted by the QSP designee on 9/23/11. Any concerns noted with BMP implementation/maintenance were communicated to the responsible contractor and correction of the issues was monitored by the QSP designee. The following issues were documented during the site inspections:

September 1, 2011:

- Remove sediment from track-out plate at BBID's alfalfa field
- Conduct additional cleanup of two small spills in Tidelands' laydown area
- Cleanup small amount of tracking on roadway
- Post spill-reporting and cleanup procedures

September 8, 2011:

- Remove sediment from track-out plate at BBID's alfalfa field
- Conduct additional cleanup of spill in Tideland's laydown area
- Post spill-reporting and cleanup procedures
- Provide cover for waste bin for scrap metal

September 15, 2011:

- Cover topsoil stockpile
- Conduct additional cleanup of spills in Tidelands' laydown area; cleanup QuickCrete that spilled out of bag
- Post spill-reporting and cleanup procedures
- Cleanup tracking on roadway

September 23, 2011:

- Cover topsoil stockpile
- Repair leaking roller/CAT and cleanup associated spill in Tidelands' laydown area
- Provide secondary containment for ADA compliant portable toilet
- Post spill-reporting and cleanup procedures

September 30, 2011:

- Cover topsoil stockpile
- Repair small sections of wildlife exclusion fencing
- Complete additional cleanup of spills in Tidelands' laydown are-initial clean-up no satisfactory
- Cleanup tracking on roadway
- Cleanup spill adjacent to concrete washout area
- Install additional sediment controls and erosions controls prior to upcoming rain event

# Exhibit 10
# WEAP Training Sign-In Sheets

**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/1/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| James Moreno Jr | | Collins Electrician |
| Daniel Pera | | Collins/Elec. Appr. 4th yr |
| Aaron Hacker | | P.G.E / Lineman |
| James Crockhart | | P.G.E / MEO |
| Philip Shepherd | | P.G.E. / Lineman |
| Drew Fitzgerald | | P.G.E / Lineman |
| JOE MENOR | | PG&E / LINEMAN |
| CHARLES ALLEN | | PG&E crane operator |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9-2-2011

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| MARK MAREK | [illegible] | SPC DRILLING |
| Anthony Arends | [illegible] | Spc Drilling |
| DAVID [illegible] | [illegible] | J. Construction |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/6/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| MIKE MOTTI | [illegible] | CLASSIC PARTY RENTALS |
| Juan Bravo | Juan Bravo | classic party |
| Fernando melgoza | Fernando melgoza | classic Party Rentals |
| Alvaro | LOPEZ | classic Party Rentals |
| Jorge Galvan | Jorge Galvan | Classic Party Rentals |
| Miguel A | Montanez | Classic Party Rentals |
| Sergio, Maldonado | Sergio Maldonado | Classic Party Rentals |
| Jerry Stern | [illegible] | AZCO |
| Vincent Milani | [illegible] | Azco |
| Robert Kirk | [illegible] | OVERAA |
| Sean Stephenson | [illegible] | OverAA |
| Ralph Esquivel | [illegible] | CH2M Hill / Mark Hunt |
| Fernando Gonzalez | [illegible] | Murcer |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/7/11

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Manuel Murillo | Manuel Murillo | Overaa |
| Jose Rodriguez | [illegible] | overaa |
| Doug Urry | M. Douglas | CH2M HILL / PM |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/8/11

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Hilarie Anderson | | CEC / ENERGY ANALYST |
| Andrea Koch | Andrea Koch | CEC / Traffic Analyst |
| Abdel Karim Abulaban | | CEC / Soil & Water |
| Sarah Allred | | CEC - cultural resources |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/12/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Andrew Nussbaum | [illegible] | AZCO / QA MNGR |
| Jeremy Jones | [illegible] | OverAA / carpenter |
| Joe Reynosa | [illegible] | OverAA / carpenter |
| Mike Leopold | [illegible] | Collins / electrician |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/13/11

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Brian Kitchen | BK | Overcut / Carpenter |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/14/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Brannon Monaco | [illegible] | Collins/Apprentice |
| Roger Rhodes | [illegible] | Collins |
| Tyler Barter | [illegible] | AZCO |
| Jesse Leyva | [illegible] | Collins |
| Raymond Faulkner | [illegible] | Overan |
| JAMES GOODBAR | [illegible] | AZCO |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9.15.11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| James Zacher | | OVERAA |
| SAM E SIPES | | PCS |
| Daniel Alvarez | | P.C.S |
| Bill DURAN | | P.C.S. |
| Paul SITTERPARD | | DGC |
| WAYNE FORSYTH | | DGC |
| MICHAEL KROMER | | DGC |
| AUDUS ABBOTT | | DGC |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/21/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Mark Twede | [illegible] | CH2M HILL/Inspection |
| Kelly Kinion | [illegible] | Associated Pumping |
| Zina Karpin | Zina Karpin | J Jackson Construction |
| STAN WARNER | Stan Warner | Stan Warner |
| DAVE GARCIA | [illegible] | AZCO Pipefitter |
| DAN GASSEN | [illegible] | AZCO/FITTER |
| JOSE LOZOYA | [illegible] | AZCO/Pipefitter |
| JOE MURILLO | [illegible] | Collins Electrical |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/23/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Dave Branham | [illegible] | GE / Mech TA |
| DAVE MCLEAN | Dave McLean | AZCO |
| David Flournoy | David Flournoy | AZCO |
| Larry Lowe | Larry A Lowe | AZCO |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/20/11

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Will Blalock | Will Blalock | AZCO |
| Charles Dawkins | Charles Dawkins | Contra Costa Electric |
| Oscar G Villasenor | [illegible] | AZCO |
| Rick Flores | Rick Flores | Teichert |
| Jeremy Coppock | [illegible] | Teichert |
| Robert Mallard | Robert Mallard | Overnite |
| Sean Flaherty | Sean Flaherty | AZCO |
| David Porter | [illegible] | Contra Costa Electric |
| Steve Kaufman | [illegible] | AHA Concrete |
| Robert Brockington | [illegible] | AZCO |
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Mariposa Energy Project

# WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

*(Biology, Archaeology, & Paleontology)*

DATE: 9/27/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| SCOTT CONOVER | | SIGNET / INSPECTION |
| DAVE PERRY | | SIGNET / INSPECTION |
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Mariposa Energy Project
WORKER AWARENESS ENVIRONMENTAL PROGRAM
TRAINING SIGN-IN SHEET
*(Biology, Archaeology, & Paleontology)*

DATE: 9/28/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| TED CAREW | [illegible] | AZCO - SAFETY |
| MARTIN LEYVA | [illegible] | Teichert cement mason |
| ESEQUIEL LEYVA | [illegible] | Teichert cement mason |
| Abel Muniz | [illegible] | Teichert - cement mason |
| Mark Hounker | [illegible] | Teichert mason |
| Burley Hathcoat | [illegible] | Teichert / Mason |
| Michael Fries | [illegible] | AZCO - operator |
| Luis GONZALEZ II | [illegible] | AZCO - PIPEFITTER |
| Nathan Wheeler | [illegible] | Associated Concrete Pump |
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**Mariposa Energy Project**
**WORKER AWARENESS ENVIRONMENTAL PROGRAM**
**TRAINING SIGN-IN SHEET**
*(Biology, Archaeology, & Paleontology)*

DATE: 9/29/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Kevin Butler | [illegible] | Project Manager |
| Robert Waymire | [illegible] | GSE |
| Andrew McDaniel | [illegible] | GSE |
| Ron McDaniel | [illegible] | GSE |
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Mariposa Energy Project

# WORKER AWARENESS ENVIRONMENTAL PROGRAM TRAINING SIGN-IN SHEET

*(Biology, Archaeology, & Paleontology)*

DATE: 9/30/11

**PLEASE NOTE:**

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

| Name (print) | Name (signature) | Company/Role |
|---|---|---|
| Jeff Brooks | | Team |
| Joe Rodrigues | Joe Rodrigues | Teichert |
| Thomas Moffitt | T. Moffitt | AZCO/Site Manager |
| Ryan Whitney | Ryan Whitney | Team |
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# Exhibit 11
# Construction Safety Reports

# LG

LG Constructors

## Mariposa Energy Project HSE Statistics

| September 2011 | | This Month | YTD | PTD | Comments refer to this month only |
|---|---|---|---|---|---|
| Lag Indicators | Lost Time Injury (LTI) | 0 | 0 | 0 | |
| | Medical Treatment Case (MTC) | 0 | 0 | 0 | |
| | Restricted Work Case (RWC) | 0 | 0 | 0 | |
| | First Aid | 0 | 0 | 0 | |
| | Near Miss | 0 | 0 | 0 | |
| | Equipment Damage | 0 | 0 | 0 | |
| | Environmental Incident | 0 | 0 | 0 | |
| | Procedure breach | 0 | 0 | 0 | |
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| Lead Indicators | Audits | 1 | 1 | 1 | |
| | WEAP Training | 61 | 164 | 164 | |
| | HSE Meetings | 59 | 162 | 162 | |
| | SBO's | 63 | 99 | 99 | |
| | | | | | |
| | Training Hours | 122 | 270 | 270 | |
| | Orientations | 61 | 135 | 135 | |
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| | P.T.P's | 176 | 318 | 318 | |
| | | | | | |
| | Random Drug Tests | 0 | 0 | 0 | |
| | Senior Management Site Visits | 3 | 6 | 6 | |
| | Emergency Drills | 0 | 0 | 0 | |
| Frequencies | Hours Worked | 12,152 | 19,157 | 19,157 | |
| | Average # Persons | 69 | | | |
| | OSHA Recordable Incident Rate | 0.0 | | | |
| | LTIFR (12m moving avg) | 0.0 | | | |

*The information shown in this report includes all weekly data since previous months report up to the last reporting week within this month*

# BBID

October 1, 2011

Debi Hertz
Monthly Compliance Report

The following summarizes project safety matters on the BBID/MEP for the month of September 2011.

Every Monday morning at 7:00am all employees are required to attend a safety meeting to discuss new and existing safety issues on the project. This is a minimum requirement and is supplemented with ongoing topics which may arise at any time on the project site.

There were no reported accidents or injuries reported during the month of September 2011.

If you have any further questions please feel free to contact me.

Greg Hull

# Exhibit 12
# CBO Submittal Approvals

# MECH-1

## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Thursday, September 29, 2011 1:43 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans MECH-1-12.0 - MEP 415059 UG Cathodic Protection Plan & Details - PC2 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Wed Sep 28 00:00:00 EDT 2011 | P-PU700 R0 Stamped_signed.pdf, P-PU701 R0 Stamped_signed.pdf, P-PU702 R1 STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Friday, September 23, 2011 12:29 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans MECH-1-3.0X4 - 415059 MEP LGC Piping Spec A -PC1 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Fri Sep 23 00:00:00 EDT 2011 | 405720_R0_STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Thursday, September 29, 2011 1:44 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans MECH-1-12.1 - MEP 415059 UG Cathodic Protection Plan & Details - PC1 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Wed Sep 28 00:00:00 EDT 2011 | PI-MEP-003_R0_STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

# STRUC-1

## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Friday, September 23, 2011 9:57 AM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg - PC4 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | | | |
| CBO Conditionally Approved | Fri Sep 23 00:00:00 EDT 2011 | 415059-SC-11 R1 STAMPED_signed.pdf, S-C1020 R1 STAMPED_signed.pdf | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Wednesday, September 28, 2011 1:40 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-1.0X4 - LGC Turbines Foundation & Concrete Spec. Package for Approval - PC1 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Wed Sep 28 00:00:00 EDT 2011 | S-S0002+R1+STAMPED_signed.pdf, S-S0003+R1+STAMPED_signed.pdf, 415059-SC-04_R2_STAMPED_signed2.pdf, S-C1009_R2_STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Monday, September 19, 2011 2:14 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-1.1X1- MEP 415059 Lube Oil Drawing and Calc - PC1 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Mon Sep 19 00:00:00 EDT 2011 | 415059-SC-08_R2_STAMPED_signed.pdf, S-C1013_R2_STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** barbara.tomajic@us.bureauveritas.com
**Sent:** Friday, September 23, 2011 3:08 PM
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m_.com; Gilkes, Lisa/DEN
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; kristy.santucci@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com
**Subject:** Mariposa – STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg - PC4 – Conditionally Approved

Hello,

The Mariposa submittal STRUC-1-14.0 - MEP 415059 Chiller Fndtn Calc & Dwg - PC4 has been reviewed and conditionally approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

**Barbara Tomajic**
Document Control
**Bureau Veritas North America, Inc.**
180 Promenade Circle, Suite 150
Sacramento, CA 95834
Phone: 916.617.2028
Fax: 916.617.2068
Direct: 916.514.4520
barbara.tomajic@us.bureauveritas.com
www.us.bureauveritas.com
**ISO 9001:2008 Certified**
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## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Wednesday, September 28, 2011 1:38 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-17.0X1 MEP 415059 Ammonia Skid Pad & Tempering Air Fan Pad - PC1 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | | | |
| CBO Conditionally Approved | Wed Sep 28 00:00:00 EDT 2011 | S-C1015_R2_STAMPED_signed.pdf, 415059-SC-07_R1_signed.pdf | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** barbara.tomajic@us.bureauveritas.com
**Sent:** Monday, September 19, 2011 3:49 PM
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m_.com; Gilkes, Lisa/DEN
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; michele.clark@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; kristy.santucci@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com
**Subject:** Mariposa – STRUC-1-21.0 - MEP 415059 Overaa Concrete Mix Design - PC1 - Approved

Hello,

The Mariposa submittal "STRUC-1-21.0 - MEP 415059 Overaa Concrete Mix Design - PC1 ," has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

**Barbara Tomajic**
Document Control
**Bureau Veritas North America, Inc.**
180 Promenade Circle, Suite 150
Sacramento, CA 95834
Phone: 916.617.2028
Fax: 916.617.2068
Direct: 916.514.4520
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www.us.bureauveritas.com
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## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Tuesday, September 27, 2011 3:57 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-22.0 - MEP 415059 Collins Elec UG Ductbank Concrete Mix - PC1 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Tue Sep 27 00:00:00 EDT 2011 | STK-519 003 R-1 P_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | | | |
| Superseded | | | |

Updated by : Tomajic, Barbara
https://bvnet2.bureauveritas.com

## Hertz, Debi/SAC

**From:** barbara.tomajic@us.bureauveritas.com
**Sent:** Monday, September 26, 2011 1:40 PM
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m_.com; Gilkes, Lisa/DEN
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; kristy.santucci@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com
**Subject:** Mariposa –STRUC-1-3.0 - MEP 415059 CH2M HILL ECM Foundation Dwg & Calc IFA - PC4 -Approved

**Status change**

Hello,

The Mariposa submittal STRUC-1-3.0 - MEP 415059 CH2M HILL ECM Foundation Dwg & Calc IFA - PC4 has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

**Barbara Tomajic**
Document Control
**Bureau Veritas North America, Inc.**
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## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Monday, September 19, 2011 1:32 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-3.1 - MEP 415059 CH2M HILL ECM Foundation Dwg & Calc IFA - PC2 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Mon Sep 19 00:00:00 EDT 2011 | 0001R+R1+STAMPED+P_signed.pdf, 0003R+R1+STAMPED+P_signed.pdf, 0002R+R0+STAMPED+P_signed.pdf, 0004R+R1+RP_signed.pdf, 0005R+R0+STAMPED+P_signed.pdf, 0010R+R1+STAMPED+P_signed.pdf, 0011R+R0+STAMPED+P_signed.pdf, 0013R+R0+STAMPED+P_signed.pdf, 0015R+R2+STAMPED+P_signed.pdf, 9700+R0++STAMPED+P_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | Mon Sep 19 00:00:00 EDT 2011 | 3100R+R1+P.pdf, 3200R+R1+P.pdf, 4100R+R3+P.pdf, 4200R+R1+P.pdf, 4800R+R0+P.pdf, 5000R+R1+P.pdf, 5001R+R1+P.pdf, 5010R+R1+P.pdf, 7229R+R0+P.pdf, 59922.01+RA+P.pdf, 59964.01+RA+P.pdf, ST11-113-400+R0+RP.pdf, ST11-113-401+R0+RP.pdf, ST11-113-402+R0+P.pdf, ST11-113-403+R0+P.pdf | |
| Superseded | | | |

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## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Tuesday, September 20, 2011 10:00 AM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-7.0 - MEP 415059 Misc Steel Docs - PC3 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Tue Sep 20 00:00:00 EDT 2011 | 415059-SS-01_R2_STAMPED_signed.pdf, S-S1001_R2_STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | Tue Sep 20 00:00:00 EDT 2011 | CBO_Comment_Response_Letter_Struct-1-7.0_083111.pdf | |
| Superseded | | | |

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## Hertz, Debi/SAC

**From:** barbara.tomajic@us.bureauveritas.com
**Sent:** Thursday, September 29, 2011 2:36 PM
**To:** j.spicer@dgc-us.com; b.buchynsky@dgc-us.com; c.curry@dgc-us.com; Lane, Mary-Lou/DEN; McGregor, Keith/SAC; Nobe, Jeff/DEN; g.normoyle@dgc-us.com; Urry, Doug/SAC; Barton, Lawrence/DEN; Debi.hertz%ch2m_.com; Gilkes, Lisa/DEN
**Cc:** jamie.saldana@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; keith.long@us.bureauveritas.com; kristy.santucci@us.bureauveritas.com; patrick.gunning@us.bureauveritas.com
**Subject:** Mariposa - STRUC-1-7.1 - MEP 415059 Steel Drawings - PC1 Approved

Hello,

The Mariposa submittal STRUC-1-7.1 - MEP 415059 Steel Drawings - PC1 has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

**Barbara Tomajic**
Document Control
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## Hertz, Debi/SAC

**From:** energyusa@us.bureauveritas.com
**Sent:** Wednesday, September 21, 2011 2:05 PM
**To:** Hertz, Debi/SAC
**Cc:** energyusa@us.bureauveritas.com
**Subject:** Mariposa Energy Project Project Plans Updated in Mariposa Energy Project

The Project Plans STRUC-1-9.0 - MEP 415059 CTG Power Control Module Foundation - PC4 for the Project Mariposa Energy Project was uploaded to BVNet

Client: Mariposa Energy Project
Due Date:

| Category | Date | File | Comments |
|---|---|---|---|
| Plan Checks - Pending | | | |
| Plan Checks - Reviewed | | | |
| CBO Approved | Wed Sep 21 00:00:00 EDT 2011 | 415059-SC-21 R2 STAMPED_signed.pdf, S-C1012 R2 STAMPED_signed.pdf | |
| CBO Conditionally Approved | | | |
| CBO Review-Comments | | | |
| CBO Reference Only | Wed Sep 21 00:00:00 EDT 2011 | CBO_Comment_Response_Letter_Struct-1-9.0_082211.pdf, Fnd_Anchor_CALCS_R-_P.pdf | |
| Superseded | | | |

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