Metcalf Energy Center

January 15, 2003

Mr. Steve Munro, Compliance Project Manager
California Energy Commission
1516 9th Street, MS 2000
Sacramento, CA 95814

Subject: **Metcalf Energy Center 99-AFC-3**
Monthly Compliance Report #15, December 1 – December 31, 2002

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report) and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning December 1 through December 31, 2002.

The Report lists those Conditions of Certification that require submittal with the Monthly Compliance Report as stated in the Commission Decision. These submittals are listed in the Report and are attached.

A copy of this report is also being submitted to the library nearest the project site, Santa Teresa Branch Library, as required in the Commission Decision.

If you have any questions please call me at (408) 463-6001.

Sincerely,

Kristen C. O'Kane

Kristen O'Kane
Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine
Steve DeYoung, Calpine
Nick LaPorte, Calpine
Sam McIntosh, Calpine
Document Control, Calpine
Don Wimberly, Willdan

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Metcalf Energy Center
99-AFC-2

Monthly Compliance Report #15
December 1 – December 31, 2002

1. **Project construction status**

Plant area: Pipe pile installation completed in the cooling tower and steam turbine areas with the exception of reinforcement steel and concrete placement. All of the steam turbine area piles, with the exception of (3), reached capacity above the maximum drive depth as specified by the engineer.

Excavation occurred at the Combustion Turbine #1 foundation, Heat Recovery Steam Generator #1, and the pipe rack to bottom of concrete to facilitate the installation of the pile.

Sheet piling installation began, for the circulating water system piping placement, in the cooling tower area. These initial sheet piles were difficult to drive because soil densification occurred during the pipe pile installation. Subsequent sheets have become easier to install as progress moved away from the basin area.

Engineering: The engineering progress is approximately 79% complete.

1) Engineering Tasks:
   - Burns and Roe continued to support construction effort
   - Continued with design of the cooling tower basin, pipe rack framing and foundations
   - Continued to coordinate design of visual and sound attenuation screens
   - Continued to develop PDS 3D model:
     a) Underground piping
     b) Gas Compressor system design
     c) Underground electrical system
     d) Structural steel
     e) Equipment
   - Continued to review vendor documents
   - Continued to update P&IDs
   - Continued development of stress analysis
   - Continued development of line and valve lists
   - Continued to develop I/O list
   - Continued to develop logic diagrams
   - Continued to develop above ground conduit design
   - Revised underground electrical drawings to modify the power distribution system (eliminate PDC-6)
   - Continued with preparation of control valve data sheets

2) Major Equipment
   - Steam Turbine Generator is scheduled for January delivery

- HRSG engineering is in progress and ongoing, design documents are submitted to CBO for approval
- The following equipment proposal are under evaluation:
  a) Iso Phase Bus
  b) Power Distribution Control

3) Engineering Key Accomplishments
The following documents were issued by Burns and Roe Enterprises, Inc.:
- Issued the following documents to CBO for approval:
  - Unit 1 HRSG Foundation
  - Design package for Condensate Pump Foundation
  - Design package for Station Transformer Foundation
  - Design package for Cooling Tower Pump Structure
  - Design Package for CTG Containment Trench

- Issued the following documents for Bid:
  - HVAC and Oil/Water Separator specifications

- Issued the following documents for review:
  - Flow element specification
  - Logic Diagrams (34 Systems)

- Issued the following for construction:
  - Underground duct bank drawings
  - Chemical Feed System P&ID
  - Closed Cooling Water, Auxiliary Cooling Water and CEMS P&IDs

Activities planned for next month

Plant area: Installation of pipe pile in the areas of the steam turbine generator set-up transformer, the combustion turbine #1, and the steam turbine platform will commence. Installation of piling in the pipe rack and HRSG #1 area will begin. Placement of reinforcement steel and concrete will begin in all piles that are completed to date, concentrating on the steam turbine and combustion turbine areas first.

Installation of the sheet piling system will continue and excavation for the installation of the circulation water piping will begin accordingly.

Engineering:

- **General**
  - Complete the integrated project schedule
  - Continue to review vendor drawings for CTGs, STG, Condenser, HRSGs, cooling tower, major pumps, water treatment system and other equipment
  - Continue to support construction
  - Support switchyard subcontractor's design development

- **Mechanical**
  - Continue pipe stress analysis
  - Continue development of P&IDs
  - Continue development line/valve/pipe specialty lists
  - Continue development of 3D equipment and piping models
  - Continue development of equipment list
  - Complete development of plant fire protection/detection specification
  - Continue development of system descriptions
  - Start the following:
    - Steam drain piping
    - Nitrogen system specification

- **Civil /Structural/Architectural**
  - Continue update 3D models
  - Design access platforms at the pipe rack
  - Issue slab on grade & elevated slab drawings for STG platform area
  - Design circuit breaker platform framing and foundations
  - Provide engineering support on pile driving activities

- **Electrical**:
  - Review proposals for PDCs and Iso Phase Bus Duct
  - Continue to develop aboveground conduit design
  - Issue CTG cable and raceway schedules
  - Enter data in ICAMS
  - Produce burner management wiring diagram

- **Instrumentation**:
  - Continue updating of P&IDs
  - Continue data inputs to the major lists
  - Continue preparation of logics
  - Continue preparation of technical specifications
  - Continue to review vendor drawings

MEC Litigation Update

1. The California Supreme Court (Decision 2-28-02)
   a. The Supreme Court denied STCAG appeal on February 28, 2002.
   b. The denial is final and non-appealable in California courts.

2. Sacramento Superior Court (Decision 2-22-02)
   a. MEC's Demurrer was granted on 2-22-02, dismissing the suit for lack of subject matter jurisdiction.
   b. STCAG had indicated in the press that it intends to appeal this dismissal for lack of subject matter jurisdiction.
   c. Proposed Order Sustaining Demurrer was sent to the Judge for signature on March 14, 2002. The CEC sent a revised order and notice of judgment the last week of April.
   d. We received a notice of intent to file an appeal from STCAG. STCAG will be appealing the Demurrer to the Third District Court of Appeals, dated May 8, 2002. By letter dated June 6, 2002, the office of the Clerk for the Third Appellate District notified STCAG that the reporter's transcript had been filed. STCAG's brief and appendix were originally due by July 5, 2002. However, STCAG was granted an extension. STCAG filed their Opening Brief on August 23, 2002. MEC's reply brief is due September 26, 2002. The brief was filed.
   e. STCAG field its response to MEC's brief on November 4, 2002. Awaiting court letter regarding possible oral argument hearing date.
   f. Oral argument has been set for January 27, 2003.

3. U.S. Ninth Circuit Court of Appeals (Decision 11-21-02)
   a. On August 10, 2001, the U.S. EPA's Environmental Appeals Board (EAB) rejected petitions filed by STCAG and CARE that had contested the MEC Prevention of Signification Deterioration (PSD) permit. The STCAG subsequently appealed this EAB decision with the U.S. Court of Appeals for the Ninth Circuit in October 2001.
   b. On November 21, 2002, the Ninth Circuit denied STCAG's petition on all grounds.
   c. STCAG has indicated that it plans to file a petition for rehearing of the Ninth Circuit's decision dismissing its appeal in this case. On January 6, 2003 STCAG filed a motion with the Ninth Circuit requesting a one-week extension of the deadline for filing this petition and on January 13, 2003 STCAG filed a motion seeking yet another one-week extension of this deadline through and until January 20, 2003.
   d. Calpine filed its opposition to STCAG's motions on January 15, 2002

4. STCAG lawsuit against the City: recycled water line (Pending)
   a. STCAG has sued to stop the City's construction of its preferred waterline route.

b. Hearing was held 6/20/02. Court rendered a decision in favor of City and Calpine.
c. Appeal brief was in December and we plan to file our response by February 6th. STCAG will then have 20 days plus extensions to reply. Once a brief is filed the Court can set the hearing at any time thereafter.

5. STCAG lawsuit against BAAQMD: San Francisco Superior Court (Pending)
   a. STCAG challenged the Bay Area Air Quality Management District (BAAQMD) issuance of the PSD permit.
   b. The case was filed on 9/9/02 and served on 9/17/02.
   c. Calpine and the BAAQMD are filing Demurrers (motions to dismiss) on or about October 17, 2002.
   d. Hearing dates will be set thereafter.
   e. BAAQMD late field its request for Demurrer. The parties had a telephonic meet and confer to set dates for filing of STCAG's first amended complaint, which was field on November 8, 2002. Awaiting court order regarding leave to amend. Expect CEC, BAAQMD, and Calpine Demurrer to first amended complaint to be filed on or about 11-22-02.
   f. Demurrers were filed by Calpine, the CEC and the BAAQMD on November 26, 2002.
   g. December 19, 2002 hearing continued to January 2, 2003.
   h. January 2, 2003 hearing: Superior Court issues oral order granting MEC's Demurrer without leave to amend. Order and notice of judgment in favor of MEC, the BAAQMD, and the CEC currently being drafted by BAAQMD.

2. Documents required to be submitted with Monthly Compliance Report

CONDITION	SUMMARY
AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	1 ultra low sulfur fuel receipt attached.
AQ-52	Off-road diesel fired equipment usage lists attached.
BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	WEAT training presented to 14 on site personnel.
CUL-5	WEAT training presented to 14 on site personnel.
CUL-7	Weekly construction schedules are attached.
CUL-8	Weekly summary reports attached.
PAL-3	WEAT training presented to 14 on site personnel.
PAL-4	A summary report is attached.
LAND-1	There is no update on trail developments.
SOCIO-1	List of planned procurement of materials and hiring outside

	the local regional area is attached.
SOIL&WATER-1	Gallons of well water used during the month of December = 3889.9.
GEN-2	Updated drawing list available upon request.
GEN-3	There were no invoices received from the CBO or payments made to the CBO in December.
TRANS-1	No oversize/overweight permits were obtained in December.
CIVIL-4	Civil Engineer site observation report attached.

3. **Compliance matrix**
   A Compliance Matrix is attached.

4. **Conditions that have been satisfied during the reporting period (CBO submittals and approvals can be found in #12)**

CONDITION	SUMMARY
SOIL&WATER-4	Submitted copy of Santa Clara Valley Water District permit no. 02494 to allow temporary construction activities to occur within the riparian setback.

5. **Submittal deadlines not met**
   There are no outstanding submittals.

6. **Approved COC changes**
   - A request for amendment was submitted 11/30/01 and approved 12/21/01. The amendment allows for an additional 14 acres of laydown area south of Blanchard Road and west of the railroad tracks.
   - An amendment was approved on 8/28/02 to allow the originally certified 10.2-mile recycled water line to be replaced with a 1000-foot lateral interconnection line of the same capacity.

7. **Filings or permits with other agencies**
   - Applied for encroachment permit from Santa Clara Valley Water District for enhancement of Fisher Creek riparian corridor.

8. **Projection of project compliance activities for next two months (January - February)**

CONDITION	SUMMARY
AQ-48	Will follow dust mitigation measures.
AQ-49 and 50	Dust will be monitored and activities recorded.
CUL-5	Training will be provided as needed.
CUL-7	Will submit weekly schedule to resource specialists.
CUL-8	Cultural specialist will perform required duties when necessary.
CUL-9	Cultural specialist will perform required duties when necessary.
BIO-2	Biologist will perform required duties when necessary.
BIO-6	Training will be provided as needed.
PAL-3	Training will be provided as needed.
PAL-4	Paleo specialist will perform required duties when necessary.
VIS-3	Will submit lighting plan to CPM and City of San Jose for review.
VIS-10	Will respond to comments on plume abatement plan.
SOIL&WATER-4	Will submit copy of SCVWD encroachment permit.

9. **Additions to on-site compliance file**
   - Silt fence inspection logs
   - Straw bale and wattle inspection logs
   - Erosion and sediment control inspection logs
   - Water truck logs
   - Road cleaning logs
   - Biological monitor daily logs
   - WEAT training logs
   - Daily logs (fugitive dust and public road inspections for tracked out material)
   - Ultra low sulfur fuel receipts

10. **Requests to dispose of items**
    None

11. **Listing of complaints, notices of violations, official warnings, and citations**
    No complaints, etc. Call log from public information line is attached.

12. **List of facility design submittals, comments and approvals to CBO**
    Submittal matrix attached. CBO comments received in December are attached.

    CBO Approvals:
    - STRUC-1, HRSG Pile Layout, Drawing S-300-R1, approved 12/5/02.
    - STRUC-1, Pipe Rack Foundation, approved 12/27/02.

CONDITION OF CERTIFICATION AQ-48
SUMMARY OF FUGITIVE DUST MITIGATION ACTIVITIES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

Summary of monthly activities related to the Fugitive Dust Control Plan:

The site was monitored daily for fugitive dust. Logs are kept on file as part of the Storm Water Pollution Prevention Plan. Heavy rains throughout the month of December limited work and the need for dust control.

Specific activities include:

- A mechanical vacuum sweeper was on site on December 27th to remove dust from the access road, Blanchard Road and Monterey Road/Blanchard Road intersection.

CONDITION OF CERTIFICATION AQ-52
ULTRA-LOW SULFUR DIESEL FUEL RECEIPTS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

Coast Oil Company, LLC

Marketers & Manufacturers "since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 770584351
RESALE NO. SR GH 97953643
FUEL RESALE NO. SG GH 78020404

OFFICE (408) 252-7720
OFFICE FAX (408) 255-5263
PLANT (408) 251-0811
ORDER DESK (408) 342-0222

REMIT TO: COAST OIL COMPANY, LLC
4250 WILLIAMS ROAD
SAN JOSE, CA 95129-3344

HAZARDOUS MATERIAL NUMBER
CALL (PERS): 1-800-633-8253

DATE: 12-02-02

INVOICE NUMBER 210986

SOLD TO: 1834
DILLINGHAM CONSTRUCTION

P.O. BOX 1089
PLEASANTON, CA 94566

(925) 463-3300

SHIP TO: 1834
DILLINGHAM CONSTRUCTION

CORNER OF METCALF & MONTEREY
METCALF JOB SITE
SAN JOSE, CA
(925) 463-3300

ORDERED BY	PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE
		DEDEAUX	NET 20	12-23-02

ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	HTR NUMBER	TIME IN	TIME OUT	MILES
0	12-03-02	25	L				0

NO. OF PKG'S	BULK OR PKG. SIZE	PRODUCT DESCRIPTION	QUANTITY ORDERED	QUANTITY DELIVERED	TAXES FED	TAXES STATE	TAXES SALES	PRICE	AMOUNT
	GALS	RED ULTRA LOW SUPLHUR DIESE	800		X	X	T		
		ECD1							
		FEDERAL SUPERFUND	800	790					
		OIL SPILL FEE	800						
		~~MONDAY~~							
		LEE BD VM 10:41 AM							
		1st load was A.M.							

Coast Oil Company

PRODUCT	BEFORE	AFTER	HTR NO. / TANK I.D.

THIS INVOICE DOES NOT INCLUDE STATE OR FEDERAL EXCISE TAXES, SUPER FUNDS OR SURCHARGES UNLESS SHOWN AS A SEPARATE LINE ITEM.

SALES TAX 8.25

TOTAL ➡

CHECK NO.

CHECK AMOUNT

PAST DUE AFTER _____. If account unpaid within time permitted, customer agrees to pay interest at _____% per annum. In case of suit for collection, all costs of collection, suit and reasonable and attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to Coast Oil Co. a security interest in the inventory and the proceeds of inventory. Coast Oil Co. shall have all remedies as provided in the Uniform Commercial Code upon default including the right to take immediate possession of customer's inventory. The undersigned hereby states that he is authorized to bind the customer to the terms hereof.

ERRORS IN PRICE, EXTENSION AND ADDITION SUBJECT TO CORRECTION.

RECEIVED IN GOOD ORDER
X B Chavez

PRINTED NAME
X Bobby Chavez

PLEASE PAY FROM THIS INVOICE

CONDITION OF CERTIFICATION AQ-52
OFF-ROAD DIESEL FIRED EQUIPMENT USAGE LISTS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

CONTRACTOR: Sheedy Drayage Co. **DATE: December 2002**

This form must be completed before site mobilization and must include all equipment that will be used on site.
**All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2000	Hyster	H280XL	YA70337	120	10	11/19/02	N/A	CARB.
Crane	1988	P&H	CN150	44326737	215	1-2 times per week	12/1/02	N/A	None.
Crane (engine 1)	1998	Liebherr	23206	23206	544	2 days	12/20/02	12/23/02	None.
Crane (engine 2)	1998	Liebherr	23206	23206	203	2 days	12/20/02	12/23/02	None.

CMM Signature: _____ Date: 1/8/03

Comments: _____

CONTRACTOR: Top Grade Construction **DATE: December 2002**

This form must be completed before site mobilization and must include all equipment that will be used on site.
**All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Blade	94	CAT Motor	140G	72V15752	>100		12/26/02	1/3/03	<10 days usage
Skip loader		Massey	650EX	44NFOY6DN 054	>100		12/26/02	1/3/03	<10 days usage
Backhoe	98	CAT	446B	5BLO1918	>100	2	12/26/02	12/27/02	<10 days usage
Scraper	94	CAT	615C	9XO00515	>100		12/26/02	1/3/03	<10 days usage
Bobcat	99	Mustang	2070	SG00A00103 2	>100	1	12/27/02	12/27/02	<10 days usage
Roller	86	Bomag 84"	213D	10140025016 3	>100		12/27/02	1/3/03	<10 days usage
D6	95	CAT	D6LGP	6FC5582	>100	3	12/27/02	12/31/02	<10 days usage

CMM Signature: _____ Date: 1/8/03

Comments: _____

CONTRACTOR: Dillingham Construction (Pile drivers) **DATE: December 2002**

This form must be completed before site mobilization and must include all equipment that will be used on site.
**All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
13-240 Wheel loader	1998	CAT	966FII	1SL03016	220	Daily / October - March	10/21/02	N/A	CARB
Crane	1978	Manitowoc	4000W	403038	360	Daily / October - March	10/22/02	N/A	None. Received exemption on cranes from CMM.
Crane	1996	Manitowoc	W 222	100-008	234	Periodically/ Dec - March	12/1/02	N/A	None.
Variable Reach Forklift	1997	Gradall	534C	C266113	116	Daily/ November -March	11/20/02	N/A	EPA certified
185 CFM Compressor	1997	T-R	IR0185WJ	282392	80	Daily / October – March	10/28/02	N/A	< 100 HP
400 AMP Weld Machine	1998	Lincoln	F14222	U1980306565	44	Daily / October – March	10/28/02	N/A	< 100 HP
500 AMP Weld Machine	1999	Lincoln	3K1639-2	U1990604312	50	Daily / October – March	10/28/02	N/A	< 100 HP
Diesel Pile Hammer	1995	ICE	640		90	Daily / October – March	10/28/02	N/A	< 100 HP

CONTRACTOR: Dillingham Construction (Pile drivers) **DATE: December 2002**

This form must be completed before site mobilization and must include all equipment that will be used on site.
**All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Diesel Pile Hammer	Rental	APE	D25		80	Daily / October – March	10/28/02	N/A	< 100 HP
Diesel Pile Hammer	Rental	APE	D 25		80	Daily / October – March	10/28/02	N/A	< 100 HP
Vib hammer power unit	1993	APE/ CAT	CAT2408	67U15842	526	Daily/ December - January	12/11–13, 12/23-24, 27, 30, 31	N/A	None. See comment below.

CMM Signature: _____ Date: 1/8/03

Comments: Dillingham has placed an order with Engelhard to retrofit this piece of equipment with a DPX catalyzed diesel soot filter. The delivery time for the filter is 3 weeks. We would like permission to continue using this piece of equipment until the filter comes in at which time it will be installed in the power unit.

CONDITION OF CERTIFICATION BIO-2
SUMMARY OF BIOLOGICAL MONITORING

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

Biological Resources

Construction Mitigation Monitoring for the Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #15

December 2002

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

December 2002

TABLE OF CONTENTS

Introduction..... 1

Monitored Mitigation Measures 2

Summary of Activities..... 3

Worker Environmental Awareness Training.....4

General Notes and Observations.....4

APPENDICES

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

B) WEAT Sign-In Sheets

C) Photographs

INTRODUCTION

The Metcalf Energy Center (MEC) site is located in the Santa Clara Valley within the Urban Service Area of south San Jose. The MEC will be a 600-megawatt natural-gas-fired combined cycle power plant with the following features:

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately one mile, 16-inch natural gas pipeline that will connect to an existing PG&E transmission backbone pipeline that runs along the eastern side of U.S. 101.
- An approximately 10.2-mile water pipeline from a tap into the South Bay Water Recycling Program's (SBWR) existing main pipeline in eastern San Jose will be used for cooling water.
- An approximately 1.2-mile water pipeline will supply domestic and backup water supplies.
- A stormwater detention basin and discharge outfall structure to Fisher Creek.
- A new access road from Monterey Road at the Blanchard Road junction and visual screening and landscape corridor along the new access road that will require 6 acres of agricultural land south of the MEC site.
- A second access road (west access road) may extend from Santa Teresa Boulevard to the MEC site that will require 2.0 acre of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant negative impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (FWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the Water Quality Control Board to minimize unavoidable project impacts. Permits and authorizations from these agencies included conditions that must be monitored by the Designated Biologist. The Biological Monitor will be present onsite during all phases of construction to ensure compliance with the mitigation measures outlined in the *Biological Resources Mitigation Implementation and Monitoring Plan* (BRMIMP). The following report includes all MEC project activities monitored during December 2002.

MONITORED MITIGATION MEASURES

Mitigation measures were developed through consultation with FWS, NMFS, CDFG, San Francisco Bay Regional Water Quality Control Board (Water Board), Corps, and California Energy Commission (CEC) for the MEC project. Compliance with any conditions of the Corps, Water Board, and CDFG permits will be included when permits are received and used on the project.

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during December 2002. In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during December activities.

The following conditions described in the FWS Biological Opinion (BO) remained pertinent to the December monitoring efforts:

- Garbage must be removed from the site.
- Activity must be limited to the minimum necessary.
- The boundaries of the site will be clearly marked.
- All equipment, personnel, and access shall be confined to designated work areas and connecting roadways.
- Refueling will occur at least 50 feet away from aquatic habitats.
- Weekly California red-legged frog surveys will be conducted in work areas.
- Bullfrogs found during amphibian surveys, including adult, subadult, and larval bullfrogs, shall be captured and killed.
- The Biological Monitor will inspect the erosion control features daily.
- Concrete trucks must be washed within a designated area with a surrounding berm.

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will occur in the summer 2003.

The Monitor was available throughout the month to respond to biological issues as needed. December activities are described as follows.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during December 2002. December activities included ongoing Phase 1 site preparation and presentation of the Worker Environmental Awareness Training (WEAT) program to project personnel. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. WEAT sign-in sheets are included in Appendix B. Representative photographs of December activities are included in Appendix C. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Phase 1 Site Preparation

December Phase 1 site activities included ongoing pile driving and continued equipment transport/storage onto the laydown yards. These activities will likely continue into January 2003. Site work also included the installation of a wheel wash station.

The Biological Monitor performed general and species-specific wildlife clearance surveys immediately prior to and during all ground disturbance activities. The Biological Monitor continued to survey for injured, dead, and entrapped wildlife throughout each construction zone.

Pile Driving

Pile driving on the footprint site was ongoing during the month of December 2002. In addition, minor excavation occurred on the footprint site allowing placement of piles. Soil removed was stockpiled on the project's soil stockpile located in the north laydown yard. Pile driving will likely continue through the coming weeks until Phase 2 of plant construction begins.

The Biological Monitor performed spot checks of work activities. The spot checks focused on ensuring that work complied with all CEC COCs. All construction related activity remained outside the Fisher Creek riparian corridor.

Power Plant Materials Storage

Heavy haul trucks continued to transported equipment onto the north and south laydown yards. All traffic was confined to previously established roads. These activities will continue through the coming months.

Wheel Wash Station Installation

A wheel washing station was installed near the site entrance on December 9, 2002. The station is equipped with a water spigot supplied by the project's temporary waterline. Excess soil and mud will be washed from exiting vehicles to minimize the off-site transport of sediment.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During December, the WEAT program was administered as required by BIO-6, a Condition of Certification included in the CEC's *Commission Decision*.

In December, WEAT continued with the presentation of a training video and distribution of WEAT handbooks.

A total of 14 personnel received WEAT training during December for a total of 412 employees trained at the Metcalf Energy Center. The Calpine Compliance Manager administered the WEAT training to all new December employees in place of the Biological Monitor. A list of December WEAT attendees is included in Appendix B. Signed affidavits are kept on file by both Calpine's Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATIONS

December activities were minimal with most site activities confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. The Biological Monitor remained on-call for most of the month. Although Phase 1 activities are ongoing (e.g. equipment delivery, pile driving), the Biological Monitor's duties will likely remain limited until the commencement of Phase 2.

On December 23rd, and 24th, 26th, and 27th, an alternate Biological Monitor (Aviva Rossi) provided mitigation monitoring for MEC Phase 1 site preparation activities. Mrs. Rossi also inspected the site's erosion/sedimentation control measures following significant rain events. Mrs. Rossi will continue to be used should there be a need for an additional monitor.

Calpine continues to await a Santa Clara Valley Water District work permit allowing enhancement plantings of the Fisher Creek riparian corridor in the MEC Ecological Preserve. The work permit would allow the enhancement activities to occur within 50-feet of the banks of Fisher Creek. During December, open holes previously dug for tree plantings were inspected for entrapped wildlife. None were observed.

Throughout the month, the Biological Monitor inspected the project's erosion control measures following rain events resulting in more than one inch of rain. Silt fence, straw waddles, and erosion control blankets were in good repair and function. Previously applied hydroseeding remained intact. Overall, erosion and sedimentation was minimal and did

not impact natural resources. The rain events resulted in excessive pooling of water on the compacted soil of the project site. Sump pumps and hoses were used to dewater active work areas. The water was pumped into stormwater drains which lead to the retention basin. Dewatering did not impact natural resources.

APPENDIX A

Cumulative Wildlife Species Observed In or Near the Project Area

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to December 31, 2002) (Continued)

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Bewick's wren	*Thryomanes bewickii*	FC, TH, CC
Rock wren	*Salpinctes obsoletus*	FC, TH
Ruby-crowned kinglet	*Regulus calendula*	TH, FC, CC
Northern mockingbird	*Mimus polyglottos*	EC, FC
Western bluebird	*Sialia mexicana*	FC, CC, EC, LEA
American robin	*Turdus migratorius*	LA, EC, CC
Loggerhead shrike	*Lanius ludovicianus*	TH, FC, EC
Western kingbird	*Tyrannus verticalis*	CC
European starling	*Strunus vulgaris*	LEA, FC, EC
Rose-breasted grosbeak	*Pheucticus ludovicianus*	EC
California towhee	*Pipilo crissalis*	EC, TH, FC, CC
Dark-eyed junco	*Junco hyemalis*	FC, TH, CC
White-crowned sparrow	*Zonotrichia leucophrys*	EC, FC, TH, CC
Song sparrow	*Melospiza melodia*	EC, LA, LEA
Yellow-rumped warbler	*Dendroica magnolia*	TH, FC, CC
Western meadowlark	*Sturnella neglecta*	EC, LA, TH
Red-winged blackbird	*Agelaius phoeniceus*	FC
Brewer's blackbird	*Euphagus cyanocephalus*	FC, EC, CC
Bullock's oriole	*Icterus bullockii*	FC, CC
House finch	*Carpodacus mexicanus*	EC, CC, FC
American goldfinch	*Carduelis tristis*	LEA
Lesser goldfinch	*Carduelis psaltria*	EC, FC, CC, TH
House sparrow	*Passer domesticus*	EC, FC, CC
MAMMALS		
Common raccoon	*Procyon lotor*	FC**
Striped skunk	*Mephitus mephitus*	TH**
Opossum	*Didelphis marsupialis*	EC
Coyote	*Canis latrans*	TH
Feral cat	*Felis catus*	EC
Bobcat	*Lynx rufus*	CC**
California ground squirrel	*Spermophilus beechyi*	EC, FC, TH, TL
Western gray squirrel	*Sciurus griseus.*	FC

Location

[illegible]

Status

[illegible]

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to December 31, 2002) (Continued)

Common Name	Scientific Name	Location
FIELD (continued)		
White-tailed kite	*Elanus caeruleus*	FC
Northern harrier	*Circus cyaneus*	FC, TH
Golden eagle	*Aquila chrysaetos*	TH
Osprey	*Pandion heliaetus*	CC*, TH, EC, FC
Sharp-shinned hawk	*Accipiter striatus*	FC, TH
Cooper's hawk	*Accipiter cooperii*	CC, EC*, FC
Red-shouldered hawk	*Buteo lineatus*	EC, FC, LA, CC, LEA
Red-tailed hawk	*Buteo jamiacensis*	EC, FC, GP, TH, TL, CC
American kestrel	*Falco sparverius*	EC, TH
Prairie falcon	*Falco mexicanus*	TH
California quail	*Callipepla californica*	CC, GP
Spotted sandpiper	*Actitis macularia*	FC
Mourning dove	*Zenaida macroura*	EC, FC, TH, TL, CC
Rock dove	*Columba livia*	EC*, TH*
Anna's hummingbird	*Calypte anna*	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	*Ceryle alcyon*	FC, EC*, CC
Northern flicker	*Colaptes auratus*	EC, FC, TH
Nuttall's woodpecker	*Picoides nuttallii*	FC, EC
Downy woodpecker	*Picoides pubescens*	EC, FC
Black phoebe	*Sayornis nigricans*	EC, FC, TL, LEA, CC
Say's phoebe	*Sayornis saya*	LEA
Western scrub-jay	*Aphelocoma californica*	EC, FC, LEA, CC
Common raven	*Corvus corax*	EC, TH, FC, CC
Horned lark	*Eremophila alpestris*	TH
Cliff swallow	*Petrochelidon pyrrhonotta*	FC, EC, TL
Barn swallow	*Hirundo rustica*	EC, LEA
Oak titmouse	*Baeolophus inornatus*	FC, CC
Chestnut-backed chickadee	*Poecile rufescens*	FC
Bushtit	*Psaltriparus minimus*	EC, FC, FC**,GP, TL, CC
White-breasted nuthatch	*Sitta carolinensis*	FC

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to December 31, 2002)

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	*Euphydras editha* spp. *Bayensis*	TH
Cabbage white butterfly	*Pieris rapae*	EC
Anise swallowtail butterfly	*Papillio zelicaon*	TH
Buckeye butterfly	*Precis coenia*	TH
Painted lady butterfly	*Vanessa cardui*	EC
Opler's longhorn moth	*Adela oplerella*	TH
Tarantula	*Eurypelma californicum*	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	*Hyla regilla*	TH, FC, EC
Arboreal salamander	*Aneides lugubris*	TH, EC
Western fence lizard	*Sceloporus occidentalis*	EC, TH, LA, FC
Side-blotched lizard	*Uta stansburiana*	EC
Southern alligator lizard	*Elgaria multicarinata*	EC, TH
Western skink	*Eumeces skiltonianus*	TH
Gopher snake	*Pituophis melanoleucus*	EC, LA, FC
BIRDS		
Pied-billed grebe	*Podilymbus podiceps*	FC, CC
American white pelican	*Pelecanus erythrorhynchos*	EC*
Double-crested cormorant	*Phalacrocorax auritus*	CC*
Canada goose	*Branta canadensis*	EC*, CC
Mallard	*Anas platyrhynchos*	FC, CC
Gadwall	*Anas strepera*	FC
Wood duck	*Aix sponsa*	FC, CC
Common merganser	*Mergus merganser*	FC
Hooded merganser	*Lophodytes cucullatus*	FC
American coot	*Fulica americana*	FC, CC
Great blue heron	*Ardea heroides*	FC
Green heron	*Butorides virescens*	FC, CC
Great egret	*Casmerodius albus*	FC
Turkey vulture	*Cathartes aura*	EC*, TH, LA
Killdeer	*Charadrius vociferus*	LA, LEA*,EC

Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project and Linear Facilities Area (May 2001 to December 31, 2002) (Continued)

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Valley pocket gopher	*Thomomys bottae*	LA**
California vole	*Microtus californicus*	FC
Deer mouse	*Peromyscus maniculatus.*	TH
Norway Rat	*Rattus norvegicus*	EC
Common muskrat	*Ondatra zibethicus*	FC
Black-tailed jackrabbit	*Lepus californicus*	EC
Feral pig	*Sus scrofa*	CC**
Mule (black-tailed) deer	*Odocoileus hemionus*	FC, GP, CC

APPENDIX B

WEAT Sign-In Sheets

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 12/2/02

PLEASE NOTE:

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

Name (print)	Name (signature)	Company
Orlando Rodriguez	Orlando Rodriguez	Dillingham Const.
Alonso Campos	Alonso Campos	martina
Roberto V. Ruiz	Roberto Ruiz	martina landscape

Instructor/s: WEAT VIDEO (Administered by ~~Todd Ellwood~~) K. O'Kane

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 12/4/02

PLEASE NOTE:

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

Name (print)	Name (signature)	Company
E. A. McCaffrey	[illegible]	Calpine
RAY MALOUF	R. Malouf	CALPINE / BECHTEL.

Instructor/s: WEAT VIDEO (Administered by ~~Todd Ellwood~~)

VAP K. O'Connor

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 12/4/02

PLEASE NOTE:

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

Name (print)	Name (signature)	Company
DINA HERMOSILLO-BURCUS	[signature]	CBO
Chuck O'Rokan	[signature]	Dillingham

Instructor/s: WEAT VIDEO (Administered by ~~Todd Ellwood~~) K. O'Kane

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 12-5-02

PLEASE NOTE:

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

Name (print)	Name (signature)	Company
ROGER HILTON	Roger H Hilton	DILLINGHAM

Instructor/s: WEAT VIDEO (Administered by ~~Todd Ettwood~~) K. O'Keane

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET
(Biology, Archaeology, & Paleontology)

DATE: 12-6-02

PLEASE NOTE:

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

Name (print) (STRAUB)	Name (signature)	Company
BILL STRAUB	[illegible]	BITC [illegible] (DILLINGH

Instructor/s: WEAT VIDEO (Administered by ~~Todd Ettwood~~) K. O'Keane

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 12/11/02

PLEASE NOTE:

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

Name (print)	Name (signature)	Company
JOE S. GARCIA	[signature]	DILLINGHAM
JAMES L MACAIRE	[signature]	Sheedy
Chris Deckard	[signature]	CALPINE

Instructor/s: WEAT VIDEO (Administered by ~~Todd Ellwood~~) K. O'Kane

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: Wed, 18 Dec 02

PLEASE NOTE:

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

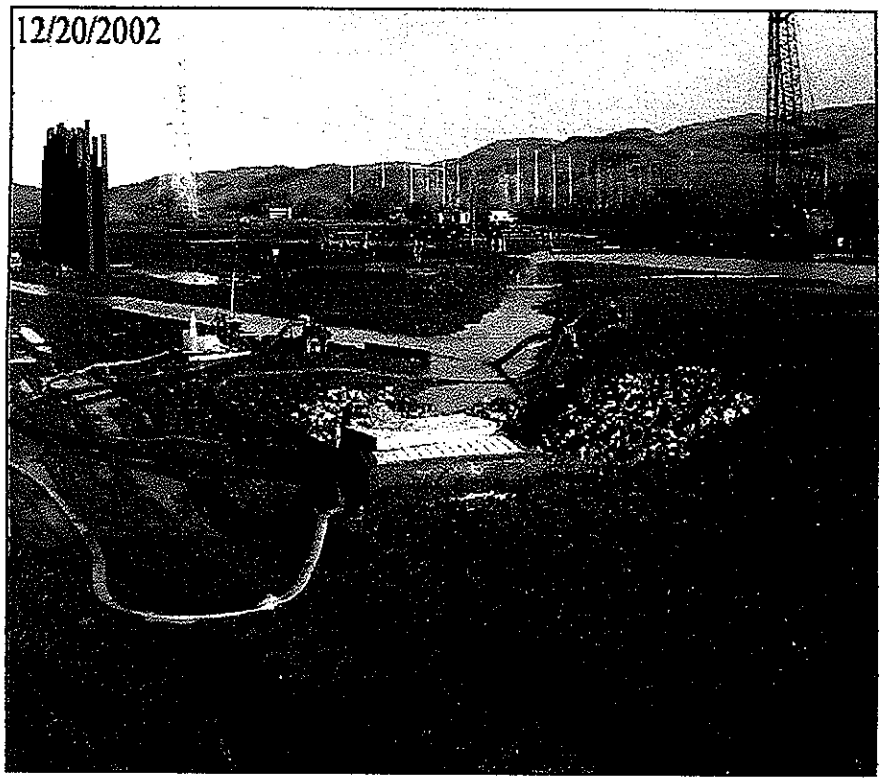
Name (print)	Name (signature)	Company
Bob Shaddock	B Shaddock	Sheedy Drayage

Instructor/s: WEAT VIDEO (Administered by Todd Ellwood)

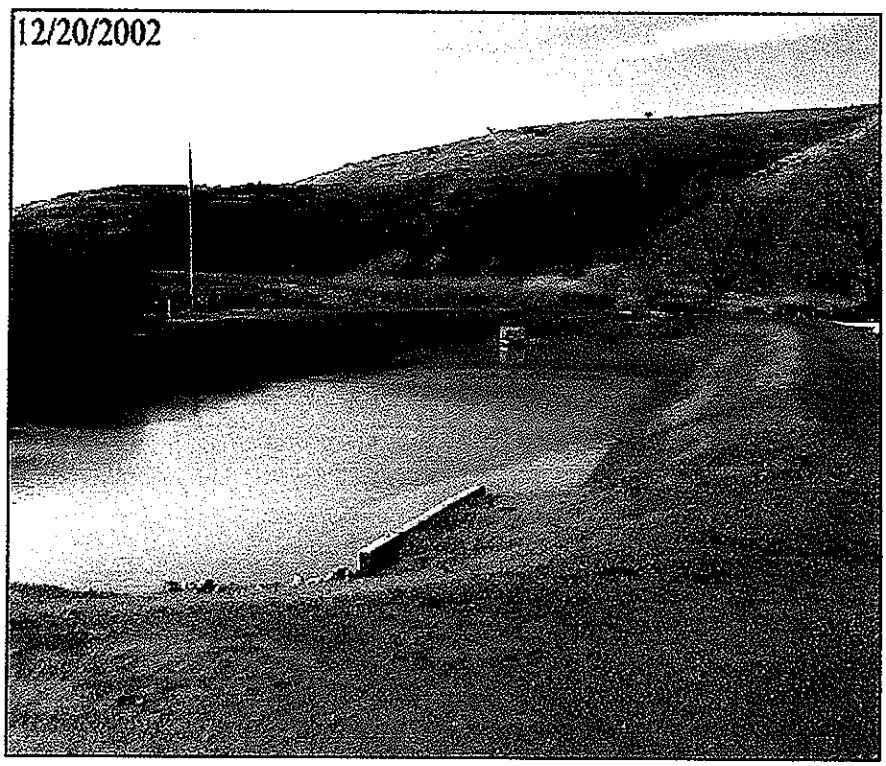
K. O'Kane

APPENDIX C

Photographs



Dewatering of Site Into Drains

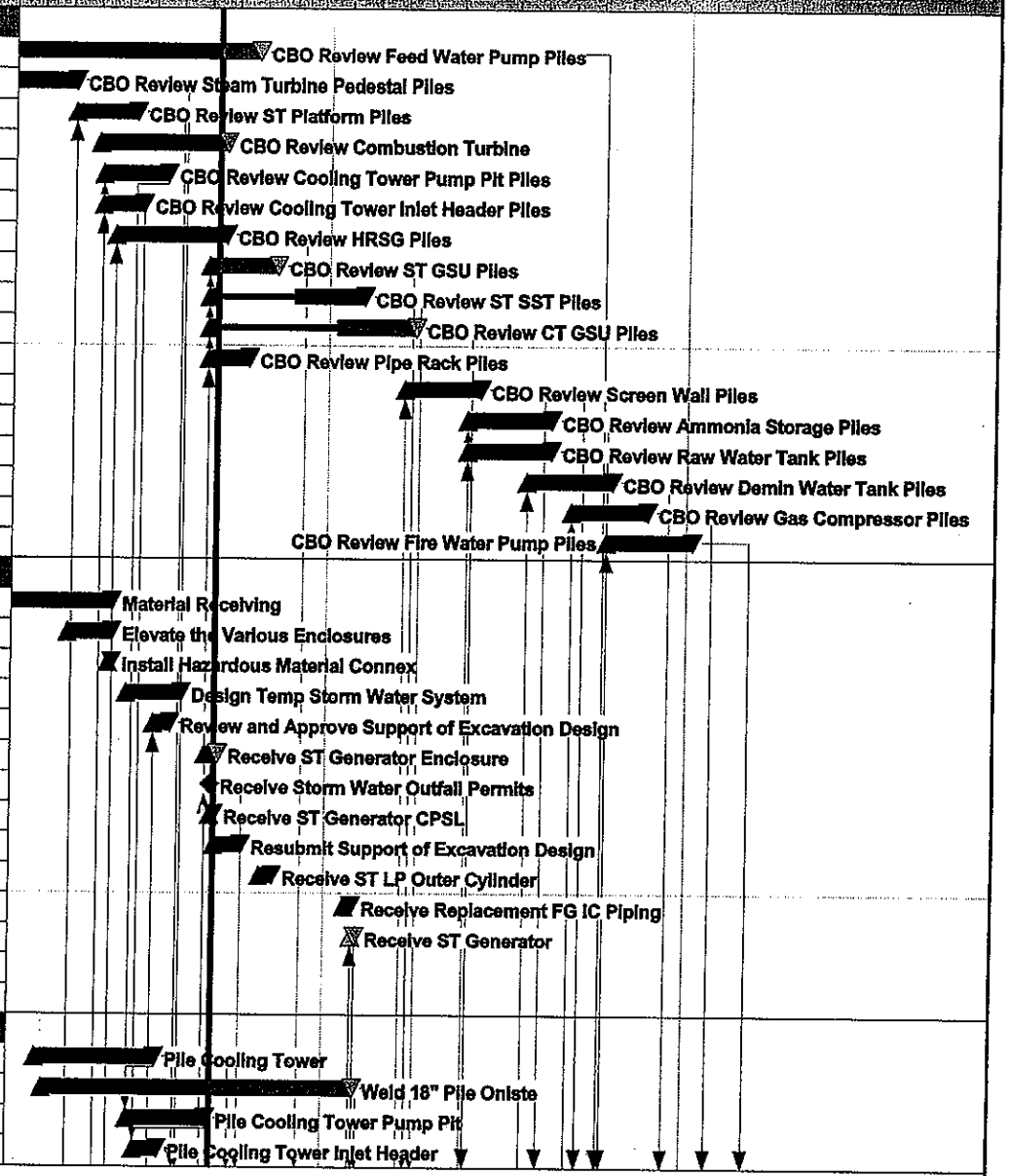


Stormwater Basin During Site Dewatering

CONDITION OF CERTIFICATION CUL-7
WEEKLY SCHEDULES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

Activity ID	Activity Description	Early Start	Early Finish
CBO001	CBO Review Feed Water Pump Piles	30SEP02A	13DEC02
CBO002	CBO Review Steam Turbine Pedestal Piles	04OCT02A	28OCT02A
CBO005	CBO Review ST Platform Piles	29OCT02A	12NOV02A
CBO027	CBO Review Combustion Turbine	04NOV02A	05DEC02
CBO003	CBO Review Cooling Tower Pump Pit Piles	05NOV02A	20NOV02A
CBO004	CBO Review Cooling Tower Inlet Header Piles	05NOV02A	14NOV02A
CBO006	CBO Review HRSG Piles	08NOV02A	05DEC02
CBO008	CBO Review ST GSU Piles	02DEC02A	18DEC02
CBO009	CBO Review ST SST Piles	02DEC02A	09JAN03
CBO010	CBO Review CT GSU Piles	02DEC02A	22JAN03
CBO011	CBO Review Pipe Rack Piles	02DEC02A	11DEC02
CBO012	CBO Review Screen Wall Piles	20JAN03	07FEB03
CBO013	CBO Review Ammonia Storage Piles	05FEB03	25FEB03
CBO014	CBO Review Raw Water Tank Piles	05FEB03	25FEB03
CBO015	CBO Review Demin Water Tank Piles	20FEB03	12MAR03
CBO016	CBO Review Gas Compressor Piles	03MAR03	21MAR03
CBO017	CBO Review Fire Water Pump Piles	12MAR03	01APR03
CCMCI0020	Material Receiving	23JUN02A	07NOV02A
CCMCI0040	Elevate the Various Enclosures	28OCT02A	07NOV02A
CCMCI0050	Install Hazardous Material Connex	07NOV02A	07NOV02A
CCMCI0060	Design Temp Storm Water System	12NOV02A	25NOV02A
CCMCI0010	Review and Approve Support of Excavation Design	19NOV02A	22NOV02A
CCMCI0070	Receive ST Generator Enclosure	02DEC02A	04DEC02
CCMCI0030	Receive Storm Water Outfall Permits		02DEC02A
CCMCI0160	Receive ST Generator CPSL	03DEC02A	03DEC02A
CCMCI0150	Resubmit Support of Excavation Design	04DEC02	10DEC02
CCMCI0090	Receive ST LP Outer Cylinder	16DEC02*	18DEC02
CCMCI0100	Receive Replacement FG IC Piping	06JAN03*	07JAN03
CCMCI0080	Receive ST Generator	08JAN03	08JAN03
CCMCI0120	Receive ST Condenser	15JUL03*	17JUL03
CCMCI0130	Receive Battery Package	03SEP03*	04SEP03
CVL00010	Pile Cooling Tower	21OCT02A	19NOV02A
CVL00120	Weld 18" Pile Oniste	23OCT02A	08JAN03
CVL00030	Pile Cooling Tower Pump Pit	13NOV02A	02DEC02A
CVL00040	Pile Cooling Tower Inlet Header	15NOV02A	20NOV02A



Start Date	13MAY02
Finish Date	04SEP03
Data Date	04DEC02
Run Date	05DEC02 11:51

Early Bar
Progress Bar
Critical Activity

MET3

Sheet 1 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

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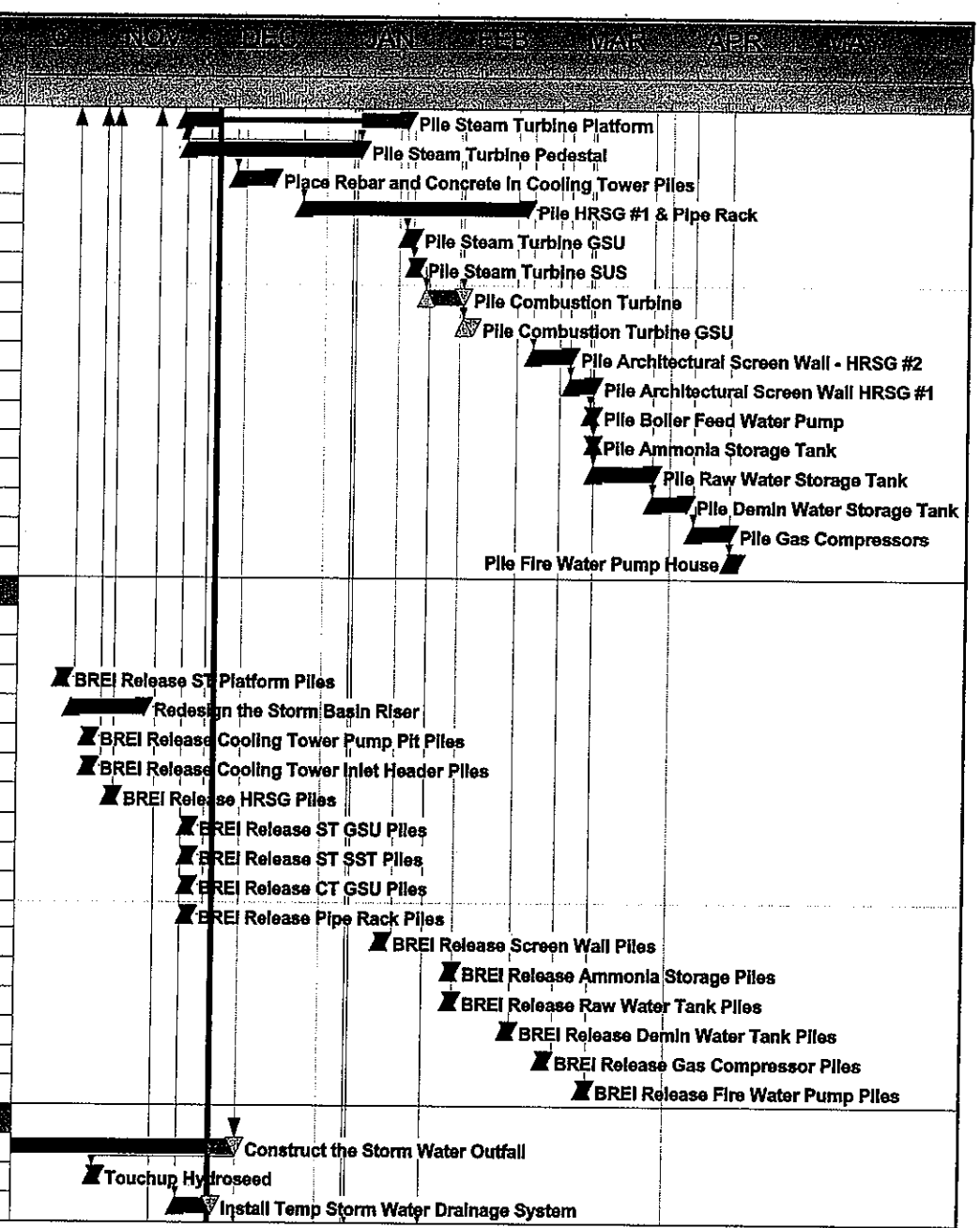
Activity ID	Activity Description	Early Start	Early Finish
CVL00080	Pile Steam Turbine Platform	25NOV02A	21JAN03
CVL00020	Pile Steam Turbine Pedestal	26NOV02A	09JAN03
CVL00140	Place Rebar and Concrete in Cooling Tower Piles	09DEC02*	17DEC02
CVL00070	Pile HRSG #1 & Pipe Rack	26DEC02	21FEB03
CVL00050	Pile Steam Turbine GSU	22JAN03	23JAN03
CVL00060	Pile Steam Turbine SUS	24JAN03	24JAN03
CVL00090	Pile Combustion Turbine	27JAN03	05FEB03
CVL00100	Pile Combustion Turbine GSU	06FEB03	07FEB03
CVL00110	Pile Architectural Screen Wall - HRSG #2	24FEB03	05MAR03
CVL00130	Pile Architectural Screen Wall HRSG #1	06MAR03	11MAR03
CVL00150	Pile Boiler Feed Water Pump	11MAR03	11MAR03
CVL00170	Pile Ammonia Storage Tank	12MAR03	11MAR03
CVL00180	Pile Raw Water Storage Tank	12MAR03	26MAR03
CVL00190	Pile Demin Water Storage Tank	27MAR03	04APR03
CVL00200	Pile Gas Compressors	07APR03	15APR03
CVL00210	Pile Fire Water Pump House	16APR03	17APR03
BREI001	BREI Release Feed Water Pump Piles	27SEP02A	27SEP02A
BREI002	BREI Release ST Pedestal Piles	03OCT02A	03OCT02A
BREI005	BREI Release ST Platform Piles	25OCT02A	25OCT02A
BREI027	Redesign the Storm Basin Riser	28OCT02A	15NOV02A
BREI003	BREI Release Cooling Tower Pump Pit Piles	01NOV02A	01NOV02A
BREI004	BREI Release Cooling Tower Inlet Header Piles	01NOV02A	01NOV02A
BREI006	BREI Release HRSG Piles	07NOV02A	07NOV02A
BREI008	BREI Release ST GSU Piles	27NOV02A	27NOV02A
BREI009	BREI Release ST SST Piles	27NOV02A	27NOV02A
BREI010	BREI Release CT GSU Piles	27NOV02A	27NOV02A
BREI011	BREI Release Pipe Rack Piles	27NOV02A	27NOV02A
BREI012	BREI Release Screen Wall Piles	17JAN03	17JAN03
BREI013	BREI Release Ammonia Storage Piles	04FEB03	04FEB03
BREI014	BREI Release Raw Water Tank Piles	04FEB03	04FEB03
BREI015	BREI Release Demin Water Tank Piles	19FEB03	19FEB03
BREI016	BREI Release Gas Compressor Piles	28FEB03	28FEB03
BREI017	BREI Release Fire Water Pump Piles	11MAR03	11MAR03
ERTH00010	Construct the Storm Water Outfall	16SEP02A	10DEC02
ERTH00020	Touchup Hydroseed	04NOV02A	04NOV02A
ERTH00030	Install Temp Storm Water Drainage System	26NOV02A	04DEC02



Start Date	13MAY02
Finish Date	04SEP03
Data Date	04DEC02
Run Date	05DEC02 11:51

Early Bar
Progress Bar
Critical Activity

MET3

Sheet 2 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

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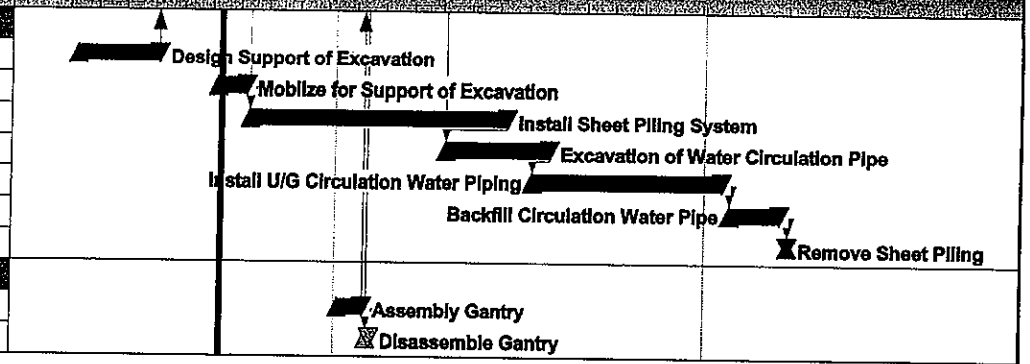
Activity ID	Activity Description	Early Start	Early Finish
UGMECH0010	Design Support of Excavation	30OCT02A	18NOV02A
UGMECH0040	Mobilize for Support of Excavation	03DEC02A	09DEC02
UGMECH0080	Install Sheet Piling System	11DEC02	11FEB03
UGMECH0030	Excavation of Water Circulation Pipe	28JAN03	21FEB03
UGMECH0050	Install U/G Circulation Water Piping	18FEB03	04APR03
UGMECH0060	Backfill Circulation Water Pipe	07APR03	18APR03
UGMECH0070	Remove Sheet Piling	21APR03	18APR03
SHDY0010	Assembly Gantry	02JAN03*	07JAN03
SHDY0020	Disassemble Gantry	09JAN03	09JAN03



Start Date	13MAY02
Finish Date	04SEP03
Data Date	04DEC02
Run Date	05DEC02 11:51

Early Bar
Progress Bar
Critical Activity

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MET3

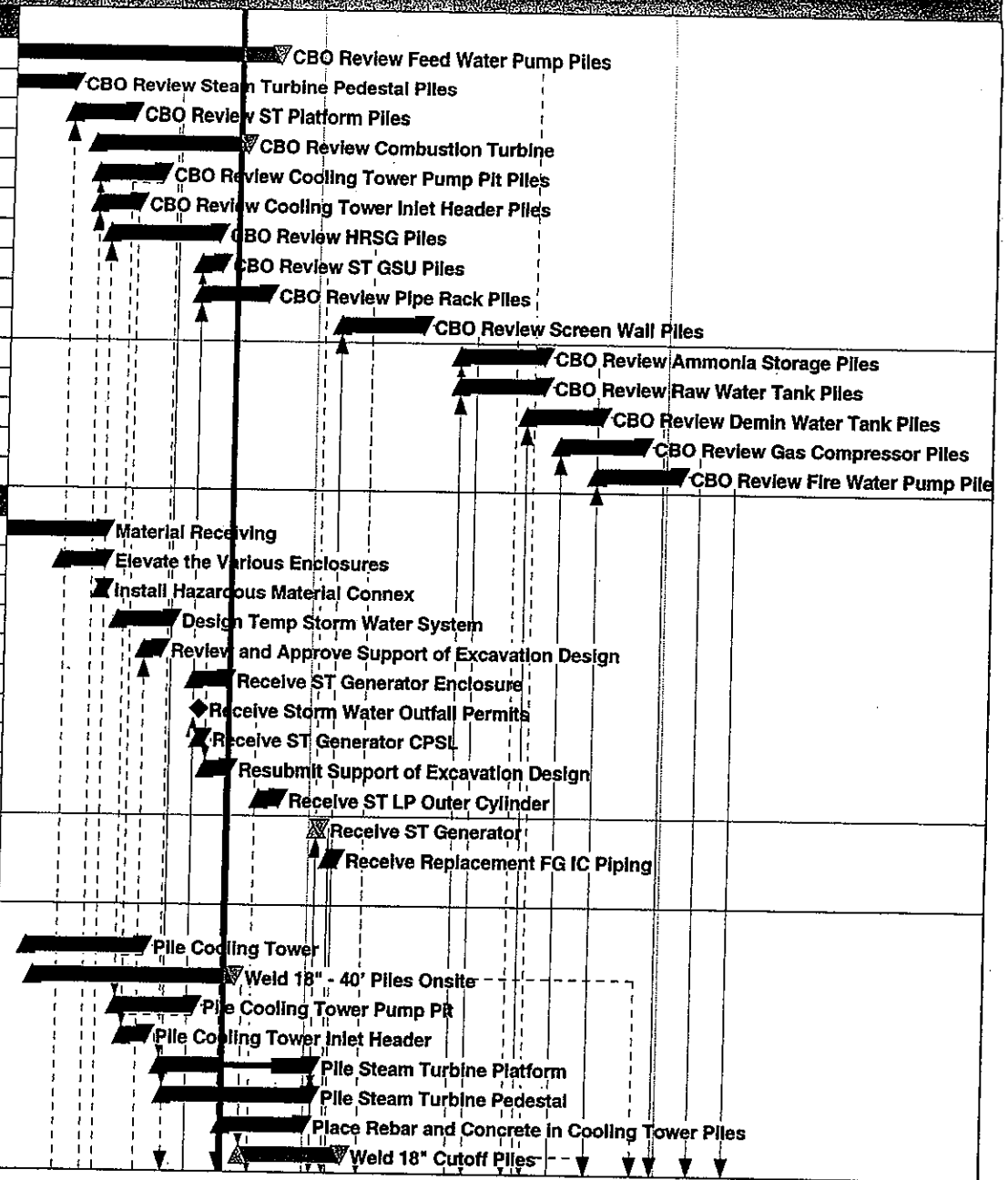
Sheet 3 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

Activity ID	Activity Description	Early Start	Early Finish
O001	CBO Review Feed Water Pump Piles	30SEP02A	20DEC02
O002	CBO Review Steam Turbine Pedestal Piles	04OCT02A	28OCT02A
O005	CBO Review ST Platform Piles	29OCT02A	12NOV02A
O027	CBO Review Combustion Turbine	04NOV02A	12DEC02
O003	CBO Review Cooling Tower Pump Pit Piles	05NOV02A	20NOV02A
O004	CBO Review Cooling Tower Inlet Header Piles	05NOV02A	14NOV02A
O006	CBO Review HRSG Piles	08NOV02A	05DEC02A
O008	CBO Review ST GSU Piles	02DEC02A	06DEC02A
O011	CBO Review Pipe Rack Piles	02DEC02A	18DEC02
O012	CBO Review Screen Wall Piles	07JAN03	27JAN03
O013	CBO Review Ammonia Storage Piles	07FEB03	27FEB03
O014	CBO Review Raw Water Tank Piles	07FEB03	27FEB03
O015	CBO Review Demin Water Tank Piles	24FEB03	14MAR03
O016	CBO Review Gas Compressor Piles	05MAR03	25MAR03
O017	CBO Review Fire Water Pump Piles	14MAR03	03APR03
MCI0020	Material Receiving	23JUN02A	07NOV02A
MCI0040	Elevate the Various Enclosures	28OCT02A	07NOV02A
MCI0050	Install Hazardous Material Connex	07NOV02A	07NOV02A
MCI0060	Design Temp Storm Water System	12NOV02A	25NOV02A
MCI0010	Review and Approve Support of Excavation Design	19NOV02A	22NOV02A
MCI0070	Receive ST Generator Enclosure	02DEC02A	09DEC02A
MCI0030	Receive Storm Water Outfall Permits		02DEC02A
CI0160	Receive ST Generator CPSL	03DEC02A	03DEC02A
CI0150	Resubmit Support of Excavation Design	05DEC02A	10DEC02A
CI0090	Receive ST LP Outer Cylinder	19DEC02*	23DEC02
CI0080	Receive ST Generator	03JAN03	03JAN03
CI0100	Receive Replacement FG IC Piping	06JAN03*	07JAN03
CI0120	Receive ST Condenser	15JUL03*	17JUL03
0010	Pile Cooling Tower	21OCT02A	19NOV02A
0120	Weld 18" - 40' Piles Onsite	23OCT02A	13DEC02
0030	Pile Cooling Tower Pump Pit	13NOV02A	02DEC02A
0040	Pile Cooling Tower Inlet Header	15NOV02A	20NOV02A
0080	Pile Steam Turbine Platform	25NOV02A	02JAN03
0020	Pile Steam Turbine Pedestal	26NOV02A	02JAN03
0140	Place Rebar and Concrete in Cooling Tower Piles	11DEC02*	31DEC02
0160	Weld 18" Cutoff Piles	16DEC02	10JAN03



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Critical Activity

MET3

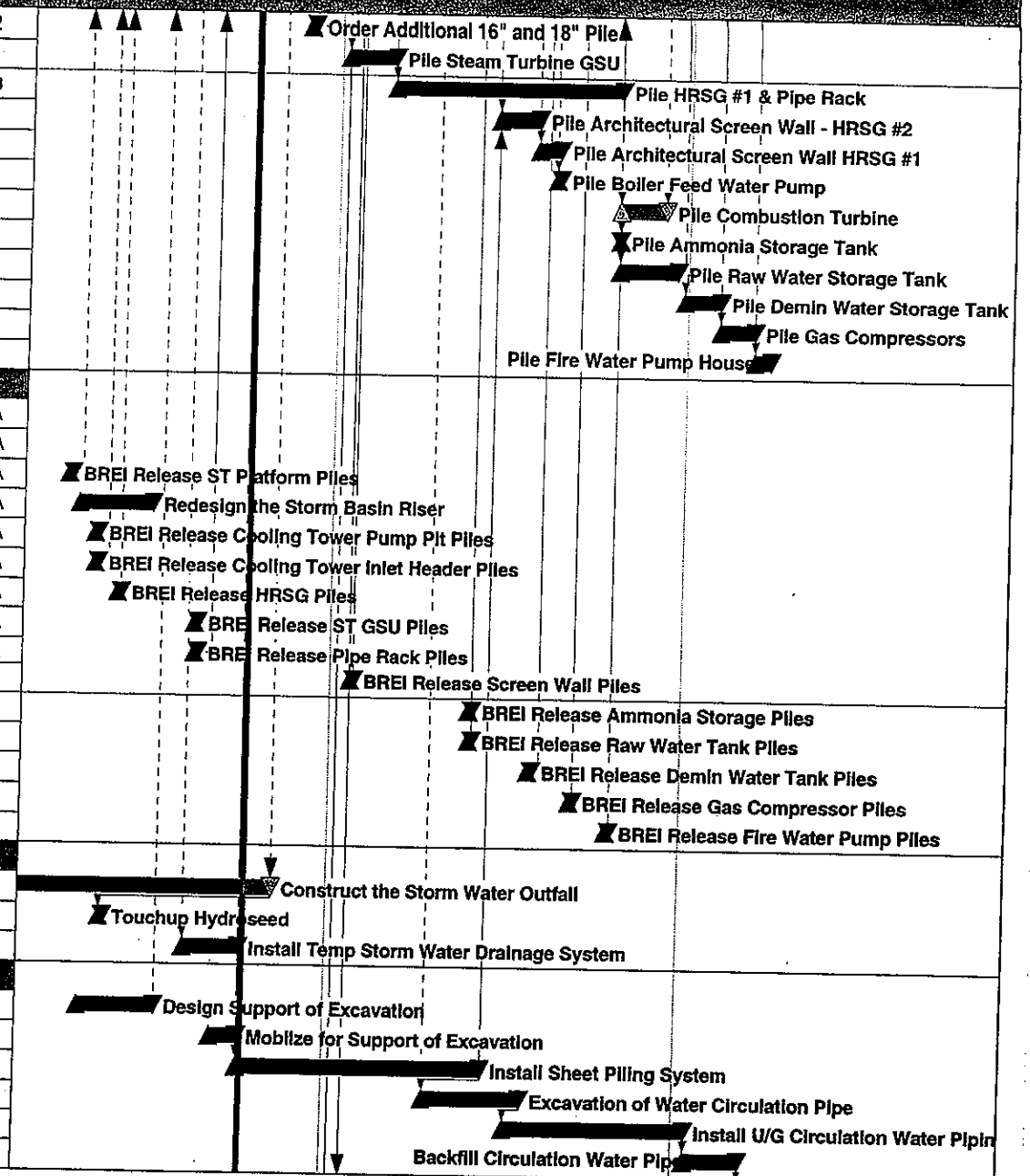
Sheet 1 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

Activity ID	Activity Description	Early Start	Early Finish
L00100	Order Additional 16" and 18" Pile	24DEC02	24DEC02
L00050	Pile Steam Turbine GSU	03JAN03	14JAN03
L00070	Pile HRSG #1 & Pipe Rack	15JAN03	13MAR03
L00110	Pile Architectural Screen Wall - HRSG #2	11FEB03	20FEB03
L00130	Pile Architectural Screen Wall HRSG #1	21FEB03	26FEB03
L00150	Pile Boiler Feed Water Pump	26FEB03	26FEB03
L00090	Pile Combustion Turbine	14MAR03	25MAR03
L00170	Pile Ammonia Storage Tank	14MAR03	13MAR03
L00180	Pile Raw Water Storage Tank	14MAR03	28MAR03
L00190	Pile Demin Water Storage Tank	31MAR03	08APR03
L00200	Pile Gas Compressors	09APR03	17APR03
L00210	Pile Fire Water Pump House	18APR03	21APR03
EI001	BREI Release Feed Water Pump Piles	27SEP02A	27SEP02A
EI002	BREI Release ST Pedestal Piles	03OCT02A	03OCT02A
EI005	BREI Release ST Platform Piles	25OCT02A	25OCT02A
EI027	Redesign the Storm Basin Riser	28OCT02A	15NOV02A
EI003	BREI Release Cooling Tower Pump Pit Piles	01NOV02A	01NOV02A
EI004	BREI Release Cooling Tower Inlet Header Piles	01NOV02A	01NOV02A
I006	BREI Release HRSG Piles	07NOV02A	07NOV02A
I008	BREI Release ST GSU Piles	27NOV02A	27NOV02A
I011	BREI Release Pipe Rack Piles	27NOV02A	27NOV02A
I012	BREI Release Screen Wall Piles	06JAN03	06JAN03
I013	BREI Release Ammonia Storage Piles	06FEB03	06FEB03
I014	BREI Release Raw Water Tank Piles	06FEB03	06FEB03
015	BREI Release Demin Water Tank Piles	21FEB03	21FEB03
016	BREI Release Gas Compressor Piles	04MAR03	04MAR03
017	BREI Release Fire Water Pump Piles	13MAR03	13MAR03
H00010	Construct the Storm Water Outfall	16SEP02A	17DEC02
H00020	Touchup Hydroseed	04NOV02A	04NOV02A
H00030	Install Temp Storm Water Drainage System	26NOV02A	09DEC02A
ECH0010	Design Support of Excavation	30OCT02A	18NOV02A
ECH0040	Mobilze for Support of Excavation	03DEC02A	09DEC02A
ECH0080	Install Sheet Piling System	10DEC02A	10FEB03
ECH0030	Excavation of Water Circulation Pipe	27JAN03	20FEB03
ECH0050	Install U/G Circulation Water Piping	17FEB03	03APR03
ECH0060	Backfill Circulation Water Pipe	04APR03	17APR03



13MAY02	Early Bar	
17JUL03	Progress Bar	
11DEC02	Critical Activity	
11DEC02 10:24		

MET3

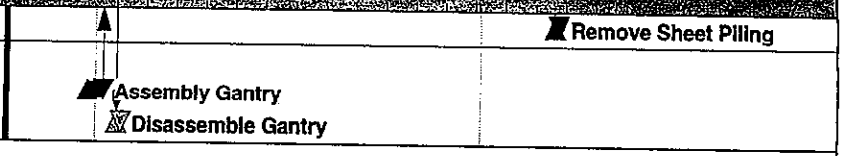
Sheet 2 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

Activity ID	Activity Description	Early Start	Early Finish
iMECH0070	Remove Sheet Piling	18APR03	18APR03
[illegible]			
DY0010	Assembly Gantry	30DEC02*	02JAN03
DY0020	Disassemble Gantry	06JAN03	06JAN03



te	13MAY02	Early Bar
ate	17JUL03	Progress Bar
te	11DEC02	Critical Activity
e	11DEC02 10:24	

MET3

Sheet 3 of 3

MEC 3 Week Rolling Schedule

Rolling 3 Week Schedule

Date	Revision	Checked	Approved

CONDITION OF CERTIFICATION PAL-4
PALEO MONTHLY SUMMARY REPORT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program

Monthly Report

Project Name: Metcalf Energy Center (MEC) **Project Number:** 01-17

Clients: Calpine/CH2M Hill **Month:** December 2002

Designated Paleontological Resource Specialist: Dr. Lanny H. Fisk, PhD, RG

Monthly Report for December 2002:

During the month of December 2002, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through its environmental consultants, CH2M Hill, to mitigate any potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in December 2002 we recommended reducing paleontological monitoring at the MEC plant site to only spot checking specific deep excavations that would impact previously undisturbed sediment. The CEC approved this reduced monitoring plan. During December, since there were no deep excavations needing to be spot checked at the MEC plant site and no ground-disturbing activities along the right-of-way of linear facilities, no paleontological monitoring was performed.

Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until later. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standard guidelines, once one-half the excavations for each of these facilities is completed and if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.

Calpine Environmental Compliance Manager Kristen O'Kane continues to notify us regarding any scheduled excavations that would impact previously undisturbed sediments, asking if we think that paleontological monitoring is necessary. In each case, since these excavations would only impact a few feet of undisturbed sediments and since paleontological resources have not previously been discovered at shallow depths, we have responded that, in our professional opinion, no monitoring was necessary. We have been notified that deep augering for concrete piles will take place in late January or February. PRC paleontological monitors will be available to monitor these deeper excavations at the MEC plant site and are "on-call" for spot checking of any other earth-moving activities related to the MEC project.

CONDITION OF CERTIFICATION SOCIO-1
PLANNED PROCUREMENT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

SOCIO-1: List of planned procurement of materials or hiring outside the local regional area during the next two months.

Material/equipment	Manufacturer	Point of Origin	Reason
Miscellaneous horizontal pumps	Out for bid		
PDC	Out for bid		
Iso Phase Bus	Out for bid		

CONDITION OF CERTIFICATION CIVIL-4
CIVIL ENGINEER OBSERVATION REPORT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

BURNS & ROE ENTERPRISES, INC.

Site Observation Report

Report Date: January 6, 2003

Dates of Site Visit: December 19, 2002

Site Location: Metcalf Energy Center; San Jose, CA

BREI Visitors to Site: Martin C. Ballod

CBO Site Contact: Mr. Hans Kosten; Mr. Bart Brierty

Contacts at Site: Calpine – Ms. Kristin O'Kane
Mortenson – Mr. Kevin Deters

Report Prepared By: Martin C. Ballod

REGISTERED PROFESSIONAL ENGINEER
MARTIN C. BALLOD
No. C43346
Exp. 6/30/04
CIVIL
STATE OF CALIFORNIA

Martin C. Ballod 1/6/03

BURNS & ROE ENTERPRISES, INC.

Site Observation Report

January 6, 2003

Purpose of Visit:
This site visit was made to confirm that phase 1 construction is in accordance with issued and approved rough grading drawings. The scope of this site inspection included phase 1 grading, erosion & sedimentation control and the retaining wall at the East boundary of the site as shown on the applicable rough grading & civil drawings. This visit was made as a follow up to the previous site visit on July 17 & July 18, 2002

General Site Observations:
Based on visual inspection, the general site area was observed to be in very good order. Site grading required per Rough Grading Phase 1 drawings is substantially complete and is in accordance with the issued drawings with the exception of items listed as "Non-Conforming / Uncompleted Phase I Sitework". Generally, areas are in good order and the quality of grading work completed to date is excellent. Approximately 3.5" of rain fell over a five day period from 12/13/02 to 12/17/02 and a large portion of an additional 1.9" of rain fell on 12/19/02 during this site visit. The site drainage system was functioning well with no resultant functional problems observed.

As previously indicated in the report of July 25, 2002, the perimeter silt fencing required by the Civil-1 package drawings is in place and installed correctly. Drainage slopes and swales were observed to be substantially in conformance with the design as shown on the phase 1 drawings. The retaining wall on the east boundary of the site and the perimeter construction fencing has also been installed and substantially meets the requirements of the issued drawings.

Additional work completed for Phase 1 since the previous site visit includes installation of the 30" diameter storm drain piping, the basin discharge structure, the 18" diameter basin drain piping, the rip-rap ditch adjacent the storm water basin and the storm water basin emergency spillway (Ref. Bechtel drawings 0-CG-0100-00001(3) & 0-CG-0090-00005(1)). Based on visual inspection, this work was observed to be generally in good order with the exception of items listed as "Non-Conforming / Uncompleted Phase I Sitework".

Phase 1 work that has not been completed includes installation of the 24" diameter corrugated storm drain piping (64' long) from the rip-rap ditch to Fisher Creek and the associated rip-rap apron at Fisher Creek (Ref. Bechtel drawings 0-CG-0100-00001(3) & 0-CG-0090-00005(1)). This work is scheduled to be completed in the third quarter of 2003.

BURNS & ROE ENTERPRISES, INC.

Site Observation Report

January 6, 2003

Non-Conforming / Uncompleted Phase I Sitework:

1. The storm water basin discharge structure currently has a 9" diameter orifice. This orifice is required to be a 3" diameter orifice in accordance with Burns & Roe calculation 02484-001-06-002.

2. In accordance with Bechtel drawing 0-CG-0090-00005(1), a check valve is required at the headwall of the 18" diameter pipe outlet pipe that runs from the storm water basin to the rip-rap ditch. This check valve has not been installed.

3. As previously indicated, the 24" diameter corrugated storm drain piping (64' long) from the rip-rap ditch to Fisher Creek has not been installed.

4. Bechtel drawing 0-CG-0090-00002(1) requires that the invert elevation of the 9" orifice in the discharge structure to be 1.0' above the bottom of the storm water basin. Burns & Roe calculation 02484-001-06-002 maintains this requirement for the invert of the 3" diameter orifice to be 1.0' above the bottom of the storm water basin. Based on visual observation the invert of the orifice is approximately 3' to 4' above the bottom of the storm water basin in lieu of the required 1.0'.

Recommendations:

1. The 3" diameter orifice, check valve, and 24" diameter corrugated storm drain pipe (Items #1, 2, & 3 of "Non-Conforming / Uncompleted Phase I Sitework") should be installed as required by the Bechtel site drawings and BREI calculations. Work for the 24" diameter corrugated pipe has been scheduled based on permitting requirements. The 3" diameter orifice and the check valve should be installed as soon as practicable.

2. It has been requested that the orifice invert elevation, the bottom of basin elevation and the invert elevation of the 18" discharge structure outlet pipe be checked by a surveyor. This information should be used to determine the reason for the observed variation from the required 1.0' differential between the orifice and the bottom of the storm water basin (Item #4 of "Non-Conforming / Uncompleted Phase I Sitework"). The requirements for any remedial action should be determined based on the information from the survey.

COMPLIANCE MATRIX

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-1	Minimize emissions of carbon monoxide (CO) and nitrogen oxides (NOx) from S-1and S-3 GTs; and S-2 and S-4 HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-2	Tune combustors of S-1 & S-3 GTs and S-2 and S-4 HRSGs duct burners to minimize emissions of CO and NOx.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-3	Install, adjust, and operate A-1and A-2 SCR Systems to minimize emissions of CO and NOx from S-1 and S-3 GTs and S-2 and S-4 (HRSGs)	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-4	With steady-state operation of A-1& A-2 SCR systems shall comply with NOx and CO emission limitations.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-5	Submit plan to DPSD and CPM describing procedures to be followed during commissioning of GTs, HRSGs, and STGs.	At least 28 days prior to first firing of the gas turbines, submit a complete commissioning plan	28 days prior to first fire of Gas Turbines				
AQ-6	Demonstrate compliance with conditions 8-10 through the use of properly operated and maintained CEMS and data recorders.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-7	Install, calibrate, operate District approved CEMS monitors prior to first firing of GT's and HRSGs.	In Monthly Compliance Report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-8	Total no. of firing hours for S-1 GT and S-2 HRSG without abatement of A-1 SCR shall not exceed 300 hours during commissioning.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to CPM.	Monthly Compliance Report				
AQ-9	Total no. of firing hours for S-3 GT and S-4 HRSG without abatement of A-3 SCR shall not exceed 300 hrs during commissioning period.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM	Monthly Compliance Report				
AQ-10	Total mass emissions of NOx, CO, POC, PM10, and SO2 emitted by the GTs and HRSGs during the commissioning period shall accrue towards the consecutive 12-month emission limitations.	In the MCR indicate the cumulative number of firing without SCR. Submit a copy of the completion notice to the CPM.	Monthly Compliance Report				
AQ-11	Combined daily emissions from GTs and HRSGs shall not exceed the following during the commissioning period: Nox = 4805; CO = 11,498; POC = 495; PM10 = 468; SO2= 42.	In the monthly compliance report indicate any violations of the emission limits	Monthly Compliance Report				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	20 working days before the execution of the source tests,submit to the District and CPM a detailed source test plan designed to satisfy the requirements of this condition.	20 days prior to source test per AQ-12				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Source test results shall be submitted to the District and the CEC CPM within 30 days of the source testing date.	Within 30 days of source tests per AQ-12 complete				
AQ-12	Submit to District and CPM a detail source test plan and conduct District and CEC approved source test using external CEMS to determine compliance with Condition 21.	Notify the District and the CEC CPM.	Within seven (7) working days prior to the planned testing date				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-13	GTs (S-1, S-3) and HRSG (S-2, S-4) shall be fired exclusively on natural gas. (BACT for SO2 and PM10)	As part of the semiannual Air Quality Reports, indicate the date, time, and duration of any violation of this condition.	Semiannual Air Quality Reports				
AQ-14	Combined heat input rate of each power train (S-1 & S-2, S-3 & S-4) shall not exceed 2,124 MMBtu/hr (3-hour rolling average) (PSD for NOx)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this hourly limit.	Monthly Air Quality Reports				
AQ-15	Combined heat input rate of each power train (S-1 & S-2 and S-3 & S-4) shall not exceed 49,908 MMBtu/day (PSD for PM10)	As part of the Air Quality monthly Reports, include information on the date and time when the hourly fuel consumption exceed this daily limit.	Monthly Air Quality Reports				
AQ-16	Combined cumulative heat input rate of GTs (S-1, S-3) and HRSGs(S-2, S-4) shall not exceed 35,274,060 MMBtu/yr. (Offsets)	As part of the Air Quality annual Reports, include information on the date and time when the annual cumulative fuel consumption exceed this annual limit	Annual Air Quality Reports				
AQ-17	HRSGs (S-2, S-4) duct burners shall not be fired unless associated GTs (S-1, S-3) are in operation. (BACT for NOx)	As part of the Air Quality Reports, include information on the date, time, and duration of any violation of this permit condition.	Monthly Air Quality Reports				
AQ-18	GT/HRSG (S-1/S-2) shall be abated by the A-1 SCR system whenever fuel is combusted in these units and the A-1 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide information on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSG's.	Semiannual Air Quality Reports				
AQ-19	GT/HRSG (S-3/S-4) shall be abated by the A-2 SCR system whenever fuel is combusted in these units and the A-2 catalyst bed has reached min. operating temperature.	As part of the semiannual Air Quality Reports, provide info. on any major problem in the operation of the Oxidizing Catalyst and Selective Catalytic Reduction Systems for the Gas Turbines and HRSGs.	Semiannual Air Quality Reports				
AQ-20(a)	Emission requirements: Emission Point P-1 NOx = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV) of nat. gas fired] ; Emission Point P-2 NOx = 19.2 lbs/hr [0.00904 lbs/MMBtu (HHV) of nat. gas fired] .	As part of the semiannual Air Quality Reports, 5ndicate the date, time, and duration of any violation. Include quantitative info. on the severity of the violation.	Semiannual Air Quality Reports				
AQ-20(b)	NOx Emission concentration = 2.5 ppmvd (corrected to 15% O2), 1-hr average {Emission Point P-1, P-2} (BACT for NOx).	Same as above	Semiannual Air Quality Reports				
AQ-20(c)	CO mass emission = 28.07 lbs/hr (at any 3-hour rolling avg.) (Emission Point P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(d)	When the heat input to a CT exceeds 1700 MMBTU/hr (HHV), the CO emission concentration shall not exceed 6.0 ppmvd on dry basis and the CO mass emission rate shall not exceed 0.0132 lb/MMBTU at any 3-hr rolling average.	Same as above	Semiannual Air Quality Reports				
AQ-20(e)	Ammonia (NH3) emission concentration shall not exceed 5 ppmvd on dry basis, at any 3-hour rolling avg. Ammonia injection rate to A-1, A-2 to be verified through continuous recording of rate.	Same as above	Semiannual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-20(f)	Precursor organic compounds (POC) mass emissions (as CH4) shall not exceed 2.7 lbs/hr or 0.00126 lbs/MMBTU of natural gas fired. (Emission points P-1, P-2).	Same as above	Semiannual Air Quality Reports				
AQ-20(g)	Sulfur dioxide (SO 2) mass emissions at P-1 ,P-2 each shall not exceed 1.28 pounds per hour or 0 .0006 lb /MM BTU of natural gas fired. (BACT)	Same as above	Semiannual Air Quality Reports				
AQ-20(h)	PM10 mass emission s at P-1 ,P-2 each shall not exceed 9 pounds per hour or 0.00452 lb PM10/MM BTU. Particulate matter (PM10) mass emissions at P-1 ,P-2 each shall not exceed 12 pounds per hour or 0.00565 lb PM10/MM BTU, when HRSG duct burners are in operation.	Same as above	Semiannual Air Quality Reports				
AQ-21	GT (S-1, S-3) Start-up and Shutdown emission rates.	Same as above	Semiannual Air Quality Reports				
AQ-22	Not more than one GT (S-1, S-2) shall be in start-up mode at any one time.	In the monthly compliance report indicate how this condition is being implemented.	Monthly Compliance Report				
AQ-23	HRSGs and ducting shall be designed such that an oxidation catalyst shall be readily installed if deemed necessary by APCO to insure compliance with CO emissions rates.	In the semiannual compliance report indicate how this condition is being implemented	Semiannual Air Quality Reports				
AQ-24	Total combined emissions in lbs/day, from GTs and HRSGs (S-1, S-2, S-3, S-4), including start-up and shutdown.	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-25	Cumulative combined emissions in tons/any consecutive 12-month period, from GTs and HRSGs shall not exceed Nox = 123.4 (offsets), CO=588, POC=28 (offsets), PM10=91.3 (offsets), SO2=10.6 (cumulative increase).	As part of the semiannual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Semiannual Air Quality Reports				
AQ-26	Maximum projected combined annual toxic air contaminant emissions from GTs and HRSGs (S-1, S-2, S-3, S-4). (a) formaldehyde = 3,796 lbs/yr (b) Benzene = 480 lbs/yr (c) PAHs=22.8 lbs/yr	As part of the annual Air Quality Reports, indicate the date, duration, and severity of any violation including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-26	Perform health risk assessment using emission rates per BAAQMD approved procedures and submit risk analysis to District and CPM.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation or submit risk analysis to District and CPM.	Within 60 days of source test date				
AQ-27 (a-d)	Demonstrate compliance with conditions 14-17, 20(a-d), 21, 22, 24(a), 24(b), 25(a), 25(b) by using continuous monitors during all operating hours for the following parameters.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-27(e-f)	Use parameters in condition 27(a-d) and District approved methods to calculate the following. (e) Heat input rate for S-1 & S-2 combined, and S-3 & S-4 combined (f) Corrected NOx and CO concentrations and mass emissions at each exhaust point (P-1, P-2)	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-27(g-l)	For each source, source grouping, or exhaust point record parameters at least once every 15 minutes and calculate and record for the following. Refer to AQ-27 for further details.	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-28(a-b)	Demonstrate compliance with conditions 20, 21, 24, 25 by calculating and recording on a daily basis POC, PM10, and SO2 mass emissions fine PM10 and SO2 from each power train.	As part of the monthly Air Quality Reports, the owner/operator shall indicate the date of any violation including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-29	Calculate and record on annual basis the max. projected annual emissions of formaldehyde, benzene, Specified Poly-Aromatic Hydrocarbons (PAH's).	As part of the annual Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Annual Air Quality Reports				
AQ-30	Within 60 days of startup, conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Source test protocols shall be submitted at least 90 days before startup. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Conduct test within 60 days of startup	Within 60 days of startup				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Submit source test results to the District and to the CEC CPM.	Within 30 days of the tests				
AQ-30	Conduct a District-approved source test on exhaust points P-1 or P-2 to determine the corrected ammonia concentration to determine compliance with condition 20(e).	Notify the District and the CEC CPM.	Within seven working days before the execution of the source tests.				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Submit source test protocols. Approval of the source test protocols and the source test reports shall be deemed as verification for this condition.	90 days before startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Conduct test within 60 days of startup and on annual basis thereafter.	Within 60 days startup				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Notify the District and the CEC CPM.	Within seven (7) working days before the execution of the source tests				
AQ-31	Conduct a District-approved source test on exhaust points P-1and P-2 while each GT and HRSG are operating at max load.	Submit source test results to the District and to the CEC CPM.	Within 30 days of the date of the tests				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	Provide a copy of source test protocol.	90 days before startup				
AQ-32	Obtain approval for all source test procedures from District Source Test Section and CPM prior to conducting tests.	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).	7 days prior to testing date(s)				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Notify the District and the CEC CPM at least 7 working days before the owner/operator plans to conduct source testing as required by this condition.	Execution of the Source Tests within 60 days of startup				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Conduct test.	Within 60 days of startup and on biennial basis thereafter				
AQ-33	Conduct a District-approved source test within 60 days of startup on each exhaust point (P-1, P-2). Also test the GTs at minimum load.	Source test results shall be submitted to the District and the CEC CPM.	Within thirty (30) days of conducting the test				
AQ-34	Submit all reports as required by District Rules or Regulations and in accordance with all procedures and time limits.	Submit a copy of test protocols at least 90 days before startup.	90 days before startup				
AQ-35	Maintain records and reports on site for a minimum of 5 years.	During site inspection, make all records and reports available to the District, California Air Resources Board, and CEC staffs.	AQ inspection per AQ-35				
AQ-36	Notify District and CPM of any violations of these permit conditions.	Submittal of these notifications as required by this condition is the verification of these permit conditions.	Violation of Permit Conditions				
AQ-37	Stack height of emission points (P-1, P-2) shall be at least 145 feet above grade at the stack base. (GT/HRSG stack height).	Submit the drawings for review and approval.	45 days prior to the release to the manufacturer	7/15/02	7/23/02		Submitted
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	120 days before initial operation, submit to the BAAQMD and the CEC CPM a plan for the installation of stack sampling ports and platforms.	120 days before Initial Operation	2/1/04			
AQ-38	Provide adequate stack sampling ports and platforms to enable the performance of source testing.	Within 60 days of receipt of the plant, the BAAQMD will advise the Owner/Operator and the CPM of the acceptability of the plan.	Approval by BAAQMD and CPM after submittal				
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Contact the BAAQMD Technical Services division.	Within 180 days of issuance of Authority to Construct	8/12/02	7/29/02		In progress
AQ-39	Contact the BAAQMD Technical Services division regarding requirements for the continuous monitors, sampling ports, platforms, and source tests.	Notify the CEC CPM at least seven (7) working days before these contacts are made.	7 days before contacts are made	8/5/02	2/28/02	N/A	Complete
AQ-40	Demonstrate valid ERCs in the amount of 212.75 tons/year of NOx and 28 tons/yr of POC or equivalent as defined by District Regs 2-2-302.1 and 2-2-302.2	No more than 30 days after the issuance of an Authority to Construct, provide a copy of the ATC to the CEC CPM for review.	Within 30 days after issuance of Authority to Construct	3/15/02	2/22/02	N/A	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-41	Provide to District valid ERC banking certificates in the amount of 212.75 ton/yr of Nox and 28 tons/yr of POCs or equivalent.	At least 30 days prior to the start of construction, submit a copy of the required offset or ERCs certificates to the CPM.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit an application to BAAQMD major facility review permit. Notify the CEC CPM of the submittal of this application.	Within 12 months of issuance of PSD Permit		1/9/02	N/A	Complete
AQ-42	Submit an application to the BAAQMD for a major facility review permit within 12 months of the issuance of the PSD permit for the MEC.	Submit to the CPM a copy of the Federal (Title V) Operating Permit.	30 days after permit issued				Expect to receive permit in June 2003.
AQ-43	Submit an application to the District for a Title IV operating permit at least 24 months prior to the initial operation of any GTs or HRSGs.	Submit to the CPM a copy of the application for the Title IV operating permit.	24 months before initial operation		8/1/01		
AQ-44	Comply with the continuous emission monitoring requirements of 40 CFR Part 75.	Submit to the CPM a plan on how the measurements and recordings required by this condition will be performed.	60 days before Initial Operation				
AQ-45	Take monthly samples of natural gas combusted at MEC and analyze these samples for sulfur content using District-approved lab methods.	Maintain on site the records of all the guarantees received from its natural gas suppliers indicating that the fuel delivered to MEC complies with the 40 CFR Part 60,Subpart GG.	On-site Compliance Inspections				
AQ-46	Cooling towers shall be properly maintained to minimize drift losses.	Submit a performance guarantee letter from the cooling tower manufacturer.	30 days prior to installation of Cooling Tower per AQ-46				
AQ-47a	Perform visual inspection of cooling tower drift eliminators once per calendar year and repair or replace any drift eliminators which are broken or missing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Monthly Air Quality Reports				
AQ-47b	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation was performed in a satisfactory manner.	Have cooling tower representative inspect the cooling tower drift eliminators and certify installation.	Initial Operation				
AQ-47c	Perform an initial performance source test to determine the PM10 emission rate from the cooling tower to verify compliance with the vendor-guaranteed drift rate.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition.	Within 60 days of initial operation of the cooling tower				
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Submit the plan to the CEC CPM for review and approval	60 days prior to start of construction	6/12/01	6/12/01	10/12/01	Complete
AQ-48	Implement a CPM approved Fugitive Dust Control Plan during construction.	Maintain daily records to document the specific actions taken pursuant to the plan. Summary of activities in MCR.	Monthly Compliance Report				On-going
AQ-49	During construction owner shall: 1. Prevent or remove within 1-hour the track-out of bulk material onto public paved roads 2. Install and use a track-out control device 3. Minimize fugitive particulate emission. Daily inspections of conditions mandated.	The project owner shall maintain a daily log during the construction phase of the project. The logs shall be made available to the CEC CPM upon request.	Start of Construction				On-going
AQ-50	Identify the source of the fugitive dust and implement one or more of the appropriate control measures specified in Table 3.	Maintain a daily log recording the dates and times that measures have been implemented and make them available to the CEC CPM upon request.	Start of Construction				On-going

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
AQ-51	Provide the District with valid ERC certificates for PM10 for the amount of 29.21 tons per year and for VOC for the amount of 124.2 tons per year from the sources noted in Condition 51.	At least 30 days prior to the start of construction, the project owner must submit a copy of the required ERC certificates to the CPM and the District.	30 days prior to start of construction	8/2/02	7/26/02	N/A	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit to the CPM for approval the qualifications of the CMM at least 45 days prior to due date for diesel construction equipment.	45 days prior to rough grading	11/30/01	8/27/01	9/27/01	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Construction Equipment Mitigation Plan 30 days prior to rough grading or construction of linear facilities.	30 days prior to rough grading	12/15/01	9/7/01	9/27/01	Complete
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-road, diesel fired construction equip. Details of Plans shown in Condition AQ-52.	Submit Report of Change to the CPM no later than 10 working days after use of equipment on site.	10 days after use of equipment on site				
AQ-53	The heat input to the fire pump diesel engine shall not exceed 211 MM BTU totaled over any consecutive twelve month period.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-54	The total hours of operation of the emergency generator shall not exceed 200 hours per calendar year, plus an additional 100 hours per calendar year for the purposes of maintenance and testing.	As part of the monthly Air Quality Reports, indicate the date of any violation of this Condition including quantitative information on the severity of the violation.	Monthly Air Quality Reports				
AQ-55	Install an oxidation catalyst to control VOC emissions.	As part of its final design plans, specifications, and drawings, submit to the District and the CPM for review and approval the final selection and design details of combustion equipment, including emission systems.	Submittal of final design plans				
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	Prior to initial operation				
Public Health-1	Perform a visual inspection of the cooling tower drift eliminators once per calendar year. Prior to initial operation of the project, have the cooling tower vendor's field representative inspect the cooling tower drift eliminator and certify that the installation was performed in a satisfactory manner.	The project owner shall include the results of the annual inspection of the cooling tower drift eliminators and a description of any repairs performed in the next required compliance report.	Annual Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a copy of the Project Construction Safety and Health Program and the Personal Protective Equipment Program, with a copy of the cover letter transmittal of the programs to Cal/OSHA.	30 days prior to start of construction	8/2/02	9/27/01(Bechtel)	2/1/02(Bechtel)	Resubmitted for Mortenson. OSHA Consultation completed 2/21/02. Submitted OSHA approval of Mortenson Plan 3/12/02.
WORKER SAFETY 1	Project Construction Safety and Health Program, containing the following: A Construction Injury and Illness Prevention Program, A Construction Fire Protection and Prevention Plan, A Personal Protective Equipment Program.	Submit to the CPM a letter from the San Jose Fire Department stating that they have reviewed and accepted the Construction Fire Protection and Prevention Plan.	30 days prior to start of construction	8/2/02	7/31/01	2/1/02	Response to Fire Depts. comments submitted 4/9/02.
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan. Emergency Action Plan. Operation Fire Protection Plan. Personal Protective Equipment Program.	The Plan shall be submitted to the Cal/OSHA Consultation Service, for review and comment concerning compliance of the program with all applicable Safety Orders	Start of Operation				
WORKER SAFETY 2	Project Operation Safety and Health Plan containing the following: Operation Injury and Illness Prevention Plan. Emergency Action Plan. Operation Fire Protection Plan. Personal Protective Equipment Program.	Submit to the CPM a copy of the final version of the Project Operation Safety & Health Program with a copy of the cover letter to Cal/OSHA's Consultation Service, and San Jose Fire Department comments stating that they have reviewed and accepted the specified elements of the Plan.	30 days prior to start of operation				
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	Provide the CPM with a copy of an agreement with the City of San Jose Fire Department or shall provide an interim plan to address impacts until a permanent agreement can be reached.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
WORKER SAFETY 3	Reach an agreement with the San Jose Fire Dept on the amount of fees and timing of payment they will provide to cover project-specific impacts associated with worker safety and fire protection.	If an agreement cannot be reached at least 60 days prior to construction, the project owner will inform the CPM and propose a plan to mitigate impacts on fire services.	60 days prior to ground disturbance	11/15/01	7/20/01	2/1/02	Complete
TLSN-1	The project owner shall construct the proposed transmission line according to the requirements of Section 2700 through 2974 of the California Code of Regulations and PG&E's EMF-reduction measures.	Submit to the CPM a letter affirming that the transmission line will be constructed according to the requirements.	30 days prior to start of construction of Transmission Line				
TLSN-2	Identify and correct any complaints of interference w/ radio and TV signals from operation of line and facilities.	All reports of line-related complaints shall be summarized and included for 5 years in the Annual Compliance Report to the CPM	Annual Compliance Report				
TLSN-3	Engage a qualified consultant to measure the strengths of the line electric and magnetic fields in the project owner's 240-foot section before and after the 230 kV line is energized.	File copies of the pre-and post energization measurements with CPM. These measurements shall be completed within 6 months of the start of the operations.	60 days after completion of measurements				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
TLSN-4	Ensure that the transmission line right-of-way is kept free of combustible material.	Provide a summary of inspection results and any fire prevention activities carried out along the ROW in the annual compliance report.	Annual Compliance Report				
TLSN-5	Ensure the grounding of any ungrounded permanent metallic objects within the right-of-way of the overhead section.	Transmit to the CPM a letter confirming compliance with this Condition	30 days prior to energization of transmission line				
HAZ-1	Do not use any hazardous material in reportable quantities, not listed in Attachment 1 or in greater quantities or strengths than those identified unless approved in advance by Santa Clara County and the CPM.	Provide to the CPM and Santa Clara County, in the Annual Compliance Report, a list of hazardous materials contained at the facility in reportable quantities.	Annual Compliance Report				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the U.S. EPA.	60 days prior to delivery of Aqueous Ammonia				
HAZ-2	Provide a Risk Management Plan to Santa Clara County and the CPM for review at the time the plans are first submitted to the EPA.	Include all recommendations of Santa Clara County and the CPM in the final document. At least 60 days prior to the delivery of aqueous ammonia to the facility, provide the final approved plans listed above to the CPM.	60 days prior to delivery of Aqueous Ammonia				
HAZ-3	Develop and implement a safety management plan for delivery of ammonia.	Provide a safety management plan as described above to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-4	The aqueous ammonia storage facility shall be designed to either the ASME Pressure Vessel Code and ANSI K61.6 or to API 620.	Submit final design drawings and specifications for the ammonia storage tank and secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Aqueous Ammonia				
HAZ-5	Provide a covered secondary containment basin to passively contain any spill during the delivery of aqueous ammonia to the storage facility.	Provide detailed design drawings and specifications for the secondary containment basin to the County of Santa Clara and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to construction of ammonia secondary containment				
HAZ-6	The project owner shall require that the gas pipeline undergo a complete design review and detailed inspection every 30 years and each 5 years thereafter.	Provide a detailed plan to accomplish a full and comprehensive pipeline design review in the future to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				
HAZ-7	Prepare and implement a pipeline maintenance plan.	Provide a detailed plan to accomplish a full and comprehensive pipeline inspection in the event of an earthquake to the CPM for review and approval.	30 days prior to initial gas flow in pipeline				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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HAZ-8	The project owner shall direct all vendors delivering any hazardous material to the site to use only the route approved by the CPM.	At least sixty (60) days prior to receipt of any hazardous materials on site, the project owner shall submit copies of the required transportation route limitation to the County of Santa Clara and City of San Jose for review and comment, and to the CPM for review and approval	60 days prior to delivery of hazardous materials				
HAZ-9	The natural gas pipeline shall be designed to meet CPUC General Order 112-D and 58 A standards, or any successor standards, and will be designed to meet Class III service.	Submit design and operation specifications to the CPM for review and approval.	Prior to initial gas flow in pipeline				
HAZ-10	Design and operate the facility to ensure that no fuels or lubricants are permanently or temporarily stored within 100 feet of the sulfuric acid tank.	Provide copies of the facility design drawings showing the location of the sulfuric acid storage tank and the route for transport.	60 days prior to delivery of Sulfuric Acid				
HAZ-11	The project owner shall direct all vendors delivering aqueous ammonia to the site to use only transport vehicles which meet or exceed the specifications of the DOT MC-307 tanker trucks.	Submit copies of the notification letter to supply vendors indicating the transport vehicle specifications to the CPM for review and approval.	60 days prior to receipt of aqueous ammonia on site				
HAZ-12	Design, construct, and operate the project in conformance with all applicable laws, ordinances, regulations, and standards pertaining to the transport, storage, and handling of hazardous materials.	Submit final design drawings and specifications for all hazardous material storage areas and equipment to Santa Clara County and the City of San Jose for review and comment, and to the CPM for review and approval.	60 days prior to delivery of Hazardous Materials				
WASTE-1	Obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste.	Keep its copy of the identification number on file at the project site and notify the CPM via the monthly compliance report of its receipt.	Notify via Monthly Compliance Report	12/14/02	12/14/02	N/A	Complete
WASTE-1	The project owner shall obtain a Hazardous Waste Generator Identification Number from the Department of Toxic Substances Control prior to generating any hazardous waste. (Operation).	Keep copies of the ID number and permit on file and notify the CPM via the monthly compliance report of their receipt - (operation)	Notify via Monthly Compliance Report				
WASTE-2	Upon becoming aware of any impending waste management-related enforcement action, notify the CPM of any such enforcement action.	Notify the CPM in writing within 10 days of becoming aware of an impending enforcement action.	Within 10 days of becoming aware of an impending enforcement action				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit the construction waste management plan to the CPM for review.	60 days prior to start of construction	7/3/02	6/12/01	7/27/01	Complete
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	Submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The operation waste management plan shall be submitted no less than 60 days prior to the start of project operation.	60 days prior to start of operation				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	The project owner shall submit any required revisions within 30 days of notification by the CPM (or mutually agreed upon date).	Revise within 30 days of notification by CPM				
WASTE-3	Prepare and submit to the CPM a waste management plan for all wastes generated during construction and operation of the facility.	In the Annual Compliance Reports, document the actual waste management methods used during the year compared to planned management methods.	Annual Compliance Report				
WASTE-4	Have a registered PE available for consultation during soil excavation and grading activities.	Submit the qualifications and experience of the Registered Professional Engineer or Geologist to the CPM for approval.	30 days prior to ground disturbing activity	12/15/01	8/1/01	8/16/01	Complete
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	Notify the CPM in writing within 5 days of any reports filed by the environmental professional	Within 5 days of filing reports				
WASTE-5	If potentially contaminated soil is unearthed during excavation the environmental professional shall inspect the site.	If significant remediation may be required, contact representatives of the Santa Clara County and Dept of Toxic Substances Control. Notify the CPM in writing within 5 days of any reports filed.	Within 5 days of filing reports				
WASTE-6	Obtain a Hazardous Material Clearance Form from the Santa Clara County Hazardous Materials Compliance Division.	Provide an approved copy of the Hazardous Material Clearance Form to the CPM.	Prior to the start of construction	3/20/02	3/20/02	3/20/02	Complete
WASTE-7	The project owner shall perform additional limited investigations to fully characterize the site.	Prior to the start of construction, submit analytical results of the additional sampling to the CPM as a ESA Addendum.	Prior to the start of construction	2/21/02	2/21/02	N/A	Complete
WASTE-8	All site debris shall be removed from the site after owner has control of the site.	Notify the CPM in writing within ten days of removal of site debris.	Within 10 days after removal of site debris	9/10/01	9/10/01	10/2/01	Complete
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Monthly Compliance Reports provide updates on trail developments in the area around the site.	Monthly Compliance Report				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Submit to the City of San Jose Departments of Planning and Public Works for review of the trail design and maintenance plan.	Start of Construction of Trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Prior to the start of a trail that the MEC trail could be connected to, submit designs and the maintenance plan to the CPM.	180 days prior to start of construction of trail				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	Notify the CPM that the trail segment has been completed and is ready for inspection.	Within 7 days after completion of trail segment				
LAND-1	At such time as a connection to a trail network can be made, install and maintain the portion of the planned trail that would cross the site.	In the Annual Compliance Reports provide updates on trail developments in the area around the site.	Annual Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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LAND-2	Landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Submit to the City of San Jose for review and comment and to the CPM for approval a revised landscape plan	30 days prior to start of construction	8/2/02	8/7/02		Submitted
LAND-2	The project owner shall landscape the parking area consistent with the "Orchard Planting" Guidelines of the North Coyote Valley Campus Industrial Area Master Development Plan.	Notify the CPM that the work has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the CPM for approval.	60 days prior to start of construction	7/30/02	9/20/2001 11/14/01 3/12/02	12/10/2001 3/28/02	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the boundaries are ready for inspection.	Prior to construction of specificied facilities and structures		7/23/02 (cooling tower)	10/22/02 (cooling tower)	Complete for cooling tower foundation only.
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Submit the final design plans to the San Jose review and comment.	60 days prior to start of construction	7/30/02	9/20/2001 3/12/02	N/A (City of San Jose)	Complete
LAND-3	The project owner shall design and construct the project to satisfy the setback requirements	Notify the CPM that the facilities and structures are completed and are ready for inspection.	7 days after completion of specified facilities and structures				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the CPM for approval a site plan that demonstrates that the project complies with the "Entry Identification" guidelines.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Submit to the City of San Jose for review and comment a site plan.	90 days prior to commercial operation				
LAND-4	Ensure that any project directional signs, identity signs, and gatehouses comply with the "Entry Identification" guidelines.	Notify the CPM that these requirements have been satisfied and are ready for inspection.	Commercial Operation				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit to the CPM a recorded copy of the Agreement.	90 days prior to start of construction	6/3/02	6/12/01	9/14/01	Complete
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Submit a landscape plan to the CPM for review and approval and the City of San Jose for review and comment.	Within sixty (60) days of sale of the Passantino property				
LAND-5	Acquire from the property owners (Passantino) immediately south of the MEC site a restrictive covenant agreement.	Notify the CPM that the landscaping has been completed and is ready for inspection.	7 days after completion of landscaping				
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the protective measures stated above will be applied prior to the delivery of any construction materials.	30 days prior to delivery of construction materials	9/19/01	9/19/01	9/21/01	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Submit photographic evidence of the application.	7 days after completion of protective measures	3/14/02	3/14/02 5/10/2002	7/8/02	Complete
LAND-6	Ensure the protection of soil while using agricultural land as a construction laydown and parking area.	Notify the CPM that the agricultural field used as the laydown area has been tilled and shall submit photographs of the tilled field.	30 days prior to commercial operation				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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LAND-7	Ensure that any additional construction laydown areas needed along all pipeline routes are located within existing paved or gravel areas.	Submit a detailed map showing the location of any planned laydown areas along the pipeline routes and photographs of the areas.	60 days prior to construction of pipelines				
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit the plan to the Santa Clara County Parks and Recreation Department for review and obtain licenses and easements.	Prior to submittal to CPM				Option agreement signed 6/4/02. Will exercise option 45 days prior to construction of gas pipeline.
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM a copy of all licenses and easements secured from Santa Clara County and submit to the CPM a plan that describes how construction activities will be timed to avoid permitted park events.	30 days prior to construction of gas pipeline	4/15/03			
LAND-8	Obtain all necessary licenses and easement rights from Santa Clara County to route the natural gas supply pipeline through the Coyote Creek Parkway.	Submit to the CPM an update of planned construction dates for the following week and a schedule of planned park events.	Weekly gas pipeline report				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Submit to the CPM for review and approval a site plan that shows the precise alignment of the pipelines in relation to existing orchard trees.	60 days prior to construction of water supply and waste water pipelines				
LAND-9	Route the water supply and wastewater discharge pipelines through open agricultural areas to avoid the direct loss of orchard trees.	Notify the CPM that stakes have been installed and the route is ready for inspection.	7 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit a description of the procedure to minimize alteration of original soil stratigraphy.	30 days prior to ground disturbing activities related to pipeline construction				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for trenching.	7 days prior to trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Submit photographs to the CPM that demonstrates that the topsoil has been kept separate from the subsoil.	7 days after start of trenching for pipeline				
LAND-10	During pipeline construction, stockpile excavated topsoil separate from subsoil in agricultural areas.	Notify the CPM of the schedule for backfilling.	7 days prior to backfilling trenches				
LAND-11	The heat recovery steam generator stacks shall be limited to 145 feet above finished grade.	Submit the final design specifications to the CPM for review and approval.	60 days prior to start of construction	7/30/02	9/20/01	10/17/01	Complete
TRANS-1	Comply with Caltrans and Santa Clara County limitation on vehicle sizes and weights.	Provide the number of any oversize and overweight transportation permits received during that reporting period.	Monthly Compliance Report				On-going
TRANS-2	Comply with Caltrans and County limitations for encroachment into public rights-of-way and shall obtain necessary encroachment permits.	Submit copies of any encroachment permits received during that reporting period in the Monthly Compliance Report.	Monthly Compliance Report		5/14/02		Caltrans encroachment permit for gas pipeline submitted in April Report.
TRANS-3	Ensure that all federal and state regulations for the transport of hazardous materials are observed.	Copies of all permits and licenses acquired concerning the transport of hazardous substances.	Monthly Compliance Report				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	If the permanent crossing warning equipment is not in place , submit a traffic plan for the crossing to UPRR for review.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	The project owner shall enter into a Crossing Agreement with UPRR.	Submit the executed Crossing Agreement to the CPM for approval.	60 days prior to site preparation	11/15/01	8/16/01	8/16/01	Complete
TRANS-4	Install railroad grade crossing warning equipment at the RR crossing for Blanchard Road.	Inform the CPM when the final grade crossing warning equipment is ready for inspection.	Installation of final grade crossing equipment	3/4/02	3/4/02		Submitted
TRANS-5	Consult with Santa Clara Co., San Jose, and Caltrans & prepare a Const. Traffic Control Plan and implementation program.	Provide to Santa Clara County, City of San Jose and Caltrans, and to the CPM, a copy of construction traffic control plan and implementation program.	30 days prior to start of site preparation	10/2/01	10/2/2001 12/9/02	10/24/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Prior to start of site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Repair roadways to original or as near original condition as possible. Refer to TRANS 6 for further details	Photograph, videotape, or digitally record Monterey Rd. between Metcalf Rd. and Blanchard Rd. Provide the CPM, Santa Clara County and Caltrans with a copy of these images.	Start of ground disturbing activities related to pipeline construction				
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Notify Caltrans about the schedule for project construction.	60 days prior to site preparation	11/15/01	8/9/01	8/13/01	Complete
TRANS-6	Following completion of construction of the power plant and all related facilities, the project owner shall repair roadways to original or as near original condition as possible.	Meet with the CPM, Santa Clara County, the City of San Jose and Caltrans to determine actions necessary for repair of roadways.	30 days after completion of project construction				
TRANS-7	Prepare and submit a parking and staging plan for all phases of project construction.	Submit the parking and staging plan to the City of San Jose and Santa Clara County for review and comment, and to the CPM for approval.	60 days prior to start of site preparation	10/2/01	10/2/2001 12/9/02	10/24/01	Complete
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Contact the City regarding the status of the off-site portion of the Santa Teresa Boulevard connection and inform the CPM.	12 months prior to commercial operation	12/31/03			
TRANS-8	Prior to the start of commercial operation of MEC, the project owner shall complete a two-lane secondary access connection.	Notify the City and CPM that the portion of the Santa Teresa Boulevard connection constructed by MEC is ready for inspection.	60 days prior to commercial operation	11/2/04			
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Notify residents and establish/post telephone number	15 days prior to start of rough grading	12/30/01	10/3/01	N/A	Complete
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed by the project manager attesting that the above notification has been performed.	Monthly Construction Report Following the Start of Rough Grading	2/14/02	2/14/02	N/A	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	A statement signed attesting that notification was send to all residents within a 1-mile radius of the project.	15 days prior to the commencement of steam blow activity				
NOISE-1	Notify all residents and business entities within one mile of the site of the start of construction and operation of the project.	Transmit a statement signed by the project manager attesting that a notification was send to all residents within a one-mile radius of the project.	Monthly Construction Report Following the Steam Blow activity				
NOISE-2	Throughout the construction and operation, document, investigate, evaluate and attempt to resolve all project related noise complaints.	File a copy of the Noise Complaint Resolution Form with City of San Jose and with the CPM documenting the resolution of the complaint.	30 days after receiving a noise complaint				
NOISE-3	Submit to the CPM for review a Noise Control Program.	Submit to the CPM the above referenced program.	30 days prior to Rough Grading	12/15/01	6/12/01	7/27/01	Complete
NOISE-4	If a traditional high-pressure steam blow process is employed, equip steam blow piping with a temporary silencer.	Submit to the CPM drawings describing the temporary steam blow silencer, and a description of the steam blow schedule.	15 days prior to first Steam Blow				
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit a summary report of the survey to City of San Jose and the CPM.	Within 30 days after completing survey				
NOISE-5	Conduct a 25-hour Community Noise Survey when first achieving an output of 80 percent of rated capacity.	Submit to the CPM a summary report of a new noise survey.	Within 30 days of completion of installation of these measures				
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	The survey shall be conducted within thirty (30) days after the facility is operating at an output of 80% of rated capacity or greater	Thirty days after the facility is operating at an output of 80%				
NOISE-6	The project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility.	Submit the noise survey report to the CPM. The project owner shall also submit the report to OSHA upon request.	Within 30 days after completing the survey				
NOISE-7	Construction shall be restricted to the hours of: 7 a.m. to 7 p.m. on weekdays and from 8 a.m. to 6 p.m on weekends and holidays.	Transmit a statement certifying that the above restrictions will be observed throughout the construction of the project.	First Monthly Compliance Report	11/15/02	11/15/02	N/A	Complete
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit proposed plan to the CPM for review and approval.	60 days prior to ordering first equipment that is color treated	8/1/02	8/1/02		Submitted for cooling tower color only. Comments received. Will coordinate re-submittal with VIS-9 submittal.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification				Comments received. Will coordinate re-submittal with VIS-9 submittal.
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Notify the CPM that all structures treated during manufacture and all structures treated in the field are ready for inspection.	Not less than thirty (30) days prior to the start of commercial operation				
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	The project owner shall provide a status report regarding treatment maintenance in the Annual Compliance Report.	Annual Compliance Report				
VIS-2	Any fencing for the project shall be non-reflective.	Submit the specifications to the CPM for review and approval.	At least 30 days prior to ordering the non-reflective fencing				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
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START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
VIS-2	Any fencing for the project shall be non-reflective.	If the CPM notifies the project owner that revisions of the submittal are needed the project owner shall prepare and submit a revised submittal.	Within 30 days of receiving notification				
VIS-2	Any fencing for the project shall be non-reflective.	Notify the CPM that the fencing is ready for inspection.	Within 7 days after completing installation of the fencing				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Notify the CPM that the lighting is ready for inspection.	Within seven (7) days of completing exterior lighting installation				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	Provide the lighting plan to the CPM for review and approval and to the City of San Jose for review and comment.	Ninety (90) days before ordering the exterior lighting.				
VIS-3	Design and install all lighting such that light bulbs and reflectors are not visible from public viewing areas.	If the CPM notifies the project owner that any revisions of the plan are needed, shall submit to the CPM a revised plan.	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	If the CPM notifies the project owner that revisions of the submittal are needed, shall prepare and submit to the CPM a revised submittal	Within 30 days of receiving notification				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Notify the CPM after completing the surface restoration that it is ready for inspection.	Within seven days after completing the surface restoration				
VIS-4	Restore any and all areas that are disturbed during the construction or operation of any portions of the proposed underground utilities.	Submit the plan to the CPM for review and approval and to the City of San Jose or Santa Clara County for review and comment.	At least sixty days prior to beginning implementation of the surface restoration				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of receiving notification				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	The temporary and long-term aesthetic screening installations are ready for inspection.	Within seven days after implementing the proposed plan	7/6/2002 (temporary screen)	7/1/2002 (temporary screen)		
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit proposed plans to the City of San Jose for review and comment and CPM for review and approval.	At least ninety (90) days before intended removal of the temporary aesthetic screen				
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Submit any required revisions within 30 days of notification by the CPM.	Within 30 days of notification				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
VIS-5	Immediately upon completion of construction of the project, the temporary aesthetic screening shall be removed and the construction laydown area shall be revegetated and restored to its original condition.	Notify the CPM that the temporary aesthetic screening removal is ready for inspection.	Within seven days after implementing the proposed plan				
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/01	N/A (City of San Jose)	Submitted. Comments rec'd from SJ incorporated prior to submittal.
VIS-5	Implement the installation of temporary aesthetic screening along the south and east sides and any of the eastern portion of the north side of the construction laydown area. Install long-term aesthetic screening along the west side of Monterey Road.	Submit the proposed temporary and long-term aesthetic screening plans to the CPM for review and approval.	Ninety (90) days prior to the start of use of the construction laydown area	7/27/01	7/27/2001, 12/18/01	2/15/02 (Aesthetic screen)	Revised Monterey Rd. plan submitted 12/18/01. Submitted revised Plan to City of San Jose Dept. of Public Works.
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas..	Submit the proposed temporary and long-term aesthetic screening plans to the City of San Jose for review and comment and the CPM for review and approval.	At least sixty (60) days prior to installing the screening				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas.	Submit any required revisions	Within 30 days of notification				
VIS-6	The project owner shall comply with the requirements of Policy 12 of the General Development Plan Standards of the Master Development Plan and Guidelines for the North Coyote Valley Campus Industrial Area re: screening of truck loading docks and storage and service areas..	The project owner shall notify the CPM when ready for inspection	Within seven days after completing installation of the screening				
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the City of San Jose and County of Santa Clara Parks and Recreation Department for review and comment.	90 days prior to start of construction	6/3/02	6/12/01		Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit the proposed aesthetic landscape screening plan to the CPM for review and approval.	90 days prior to start of construction	6/3/02	6/12/01		Submitted / In progress. Working with County.
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Submit any required revisions	Within thirty (30) days of notification by the CPM.				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
VIS-7	Install aesthetic landscape screening along a portion of Coyote Ranch Road.	Notify the CPM in writing that the aesthetic landscape screening installation is ready for inspection.	Within seven (7) days after completing the implementation of the proposed plan				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the County of Santa Clara Parks and Recreation Department for review and comment.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit detailed design specifications for the gas metering station to the CPM for review and approval.	At least sixty (60) days before the beginning of construction of the gas metering station				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Submit any required revisions.	Required revision within 30 days of notification by CPM.				
VIS-8	The gas metering station east of Highway 101 shall be designed in a manner that helps visually screen it from views from Highway 101 and integrate it with its surroundings.	Notify the CPM that the aesthetic treatment and landscape screening installation is ready for inspection.	Within seven (7) days after implementing the proposed plan				
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of architectural treatment				Complete
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Submit the proposed architectural design treatment plan to the CPM for review and approval.	At least sixty (60) days prior to the start of architectural treatment		10/2/02		Submitted. Comments received 10/31/02.
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Shall submit any required revisions.	Within thirty (30) days of notification by the CPM	11/30/02	11/25/02		Submitted
VIS-9	The power plant shall be designed in a manner that reduces its appearance as an industrial facility and helps visually integrate it with its surroundings.	Notify the CPM in writing that all structures are ready for inspection.	Thirty (30) days prior to the start of commercial operation				
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the City of San Jose for review and comment.	At least sixty (60) days prior to the start of construction	7/3/02	9/6/01	N/A	Complete
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	Submit the proposed plume abatement plan to the CPM for review and approval.	At least sixty (60) days prior to the start of construction	7/3/02	9/5/01		Submitted. CEC comments received.
VIS-10	The power plant shall be designed and operated to minimize visible plumes.	The project owner shall submit any required revisions.	Within 30 days of notification by the CPM.		9/24/2002 11/6/02		Second set of comments received 12/2/02.
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	The project owner shall submit to the City of San Jose and the County of Santa Clara Parks and Recreation Department for review and comment a specific plan.	Start of construction of the trail between Blanchard Road and railroad tracks				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit to the CPM for review and approval a specific plan describing its landscape plan.	Start of construction of the trail between Blanchard Road and railroad tracks				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Submit any required revisions.	Within 30 days of notification by the CPM.				
VIS-11	Trail development along the Fisher Creek corridor adjacent to the power plant site.	Notify the CPM, City of San Jose and County of Santa Clara Parks and Recreation Department that the planting installation is ready for inspection.	7 days after completion of planting installation				
VIS-12	Contact the owners of property along Blanchard Road and develop, a plan to screen views of the project from each property if so desired by a property owner.	Provide to the CPM a report on the landscaping/screening plan.	15 days prior to project construction	8/17/02	7/30/02	9/24/02	Complete
VIS-12	Contact the owners of property along Blanchard Road and develop, a plan to screen views of the project from each property if so desired by a property owner.	Notify the CPM when any measures are ready for inspection.	Measures are ready for inspection				
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Submit name and qualifications.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Confirm in writing to the CPM that the approved designated cultural resource specialist will be available at the start of construction.	At least 10 days but no more than 30 days prior to the start of earth disturbing activities	12/15/01	7/26/01	9/25/01 1/22/02	Complete
CUL-1	Name and statement of qualifications of its designated cultural resource specialist.	Obtain CPM approval of the replacement specialist.	10 days prior to termination of Cultural Specialist				
CUL-2	Provide the designated cultural resource specialist and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities.	Provide the designated cultural resource specialist and the CPM with the maps and drawings.	75 days prior to the start of earth disturbing activities	10/31/01	9/20/01	11/1/01	Complete
CUL-3	CRS shall prepare, and the owner shall submit to the CPM for review and written approval, a CRMMP.	Submit the Cultural Resources Monitoring and Mitigation Plan.	60 days prior to project site preparation	11/15/01	6/12/01	12/15/01	Complete
CUL-4	WEAT for cultural resources	Submit to the CPM for review and written approval, the proposed WEAT.	60 days prior to the start of construction on the project	11/15/01	9/20/01	12/5/01	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	7 days after start of construction	1/21/02	9/29/01 1/29/02	2/10/02	Complete
CUL-5	WEAT to all project managers, all construction supervisors, and those workers who operate ground disturbing equipment.	Provide the CPM with documentation that WEAT was administered.	Monthly Compliance Report				In progress
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	Provide the CPM with a letter confirming CUL-6.	30 days prior to site preparation	12/15/01	7/20/01	8/6/01	Complete
CUL-6	CRS or monitor shall have the authority to halt or redirect construction if previously unknown cultural resource sites or materials are encountered.	For any cultural resource encountered, the project owner shall notify the CPM within 24 hours.	Within 24 hours of cultural resource discovery				
CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	10 days prior to site preparation	1/4/02	9/28/01	1/14/02	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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CUL-7	Provide the designated cultural resource specialist with a current schedule of anticipated project activity in the following month and a map.	Provide the CPM with a copy of each weekly schedule of the construction activities.	Monthly Compliance Report				In progress
CUL-8	CRS/monitor keep a daily log of any resource finds and the progress or status of the resource monitoring, mitigation, preparation, identification, and analytical work being conducted for the project.	Copies of the weekly summary reports shall be submitted to the CPM in the Monthly Compliance Report.	Monthly Compliance Report				In progress
CUL-9	Except in the areas specified in CUL-3(f), the designated cultural resource specialist or delegated monitor(s) shall be present at times the specialist deems appropriate.	Copies of the weekly summary reports prepared by the designated cultural resource specialist regarding project-related cultural resource monitoring.	Monthly Compliance Report				In progress
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Submit a copy of any permit addressing data recovery excavation.	Monthly Compliance Report				
CUL-10	Obtain ground disturbance or cultural resource excavation permits from Caltrans and/or the U.S. Army Corps of Engineers.	Provide written documentation to the permitting agency of compliance with any mitigation measures.	Completion of mitigation activity				
CUL-11	Ensure that the CRS performs the recovery, etc. of all cultural resource materials encountered and collected.	Maintain in its compliance files, copies of signed contracts or agreements with the museum(s), university (ies), or other appropriate research specialists.	Periodic Audit by the CPM				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Submit it to the CPM for review and written approval.	7 days after completion of the proposed scope of work,				
CUL-12	Prepare a scope of work for Cultural Resources Report following completion of data recovery and site mitigation work.	Ensure that the designated cultural resources specialist prepares the proposed scope of work .	Completion of Data Recovery per CUL-12				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13. Submit the report to the CPM for review and written approval.	Ensure that the designated cultural resource specialist completes the Cultural Resources Report.	Within 90 days following completion of the data recovery and site mitigation work				
CUL-13	Prepare a Cultural Resources Report as described in CUL-13.	Submit the Cultural Resources Report to the CPM for review and written approval.	Within seven (7) days after completion of the report				
CUL-14	Submit an original, an original-quality copy, and a computer disc copy, of the CPM-approved Cultural Resource Report to the public repository to receive the recovered data and materials for curation, with copies to the State Historic Preservation Officer (SHPO), the appropriate regional archaeological information center(s), and a person employed by the City of San Jose who is authorized to receive confidential cultural resources information.	Provide to the CPM documentation that the report has been sent to the public repository receiving the recovered data and materials for curation, the SHPO and the appropriate archaeological information center(s), and the City of San Jose, to a person authorized to receive confidential cultural resources information.	Within thirty (30) days after receiving approval of the Cultural Resources Report				
CUL-15	Ensure that all cultural resource materials, maps, and data collected during data recovery and mitigation for the project are delivered to a public repository.	Ensure that all recovered cultural resource materials are delivered for curation. For the life of the project, maintain copies of signed contracts or agreements with the public repository.	Within thirty (30) days after providing the CPM-approved Cultural Resource Report to the entities				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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CUL-16	Consult with Ohlone/Costanoan Native American tribal representatives to develop an agreement(s) for qualified monitor(s).	Provide the CPM with a copy of all finalized agreements for Native American (Ohlone/Costanoan) monitor(s).	30 days prior to site preparation	12/15/01	8/8/01	8/15/01	Complete
CUL-17	Presence/absence testing shall be conducted in the vicinity of the natural gas pipeline route or PG& E metering station.	Reports addressing the results of the presence/absence testing shall be included in the Monthly Compliance Report.	Monthly Compliance Report				
CUL-18	Comply with Cul-1, Cul-4 and Cul-5. Comply with Cul-2 and Cul-3 for the entire project. CRS shall examine the area of initial project site mobilization.	Provide the CPM with information authored by the CRS identifying the area of initial site mobilization.	7 days prior to site mobilization	1/7/02	10/2/01	12/15/01	Complete
CUL-19	If the potable water wells and associated pipelines are to be located anywhere but in an area defined as part of the proposed project then a cultural resource assessment shall be required.	Submit the results of the records search and the results of the survey.	90 days prior to start of construction of wells				
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Submit copies of contractor, subcontractor, and vendor solicitations and guidelines stating hiring and procurement requirements and procedures.	60 days prior to site preparation	11/15/01	7/20/01	8/8/01	Complete
SOCIO-1	The project owner and its contractors and subcontractors shall recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County.	Notify the CPM the reasons for any planned procurement of materials or hiring outside the local regional area that will occur during the next two months.	Monthly Compliance Report				In progress
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Pay the statutory school facility development fee as required at the time of filing.	At Time of Filing				
SOCIO-2	Pay the one-time statutory school facility development fee as required at the time of filing.	Provide proof of payment of the statutory development fee.	Monthly Compliance Report after fees are paid				
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	Submit name, qualifications, address and telephone number of the individual selected.	60 days prior to start of ground disturbance	11/15/01	7/23/01	7/27/01	Complete
BIO-1	Construction site and/or ancillary facilities preparation shall not begin until an approved Designated Biologist is available to be on site.	If the CPM determines the proposed Designated Biologist to be unacceptable, submit another individual's name and qualifications for consideration.	Notification by CPM that proposed Designated Biologist is unacceptable				
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Biologist shall maintain written records of the tasks described.	Monthly Compliance Report				In progress
BIO-2	The CPM approved Designated Biologist shall perform the following during project construction and operation: see BIO-2 for detailed tasks.	Submit record summaries in the Annual Compliance Report.	Annual Compliance Report				
BIO-3	Act on the advice of the Designated Biologist to ensure conformance with the Biological Resources Conditions of Certification and shall halt all construction activities, if necessary.	Notify the CPM by telephone of the circumstances and actions being taken to resolve the problem or the non-compliance with a condition.	Within 2 working days of notification of non-compliance				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide the CPM with the final version of the BRMIMP.	45 days prior to start of ground disturbance	11/30/01	7/23/01	8/30/01	Complete
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP and shall implement the measures identified in the plan.	Provide to the CPM for review and approval, a written report identifying which items of the BRMIMP have been completed.	30 days after construction complete				
BIO-5	Develop the riparian corridor planting plan for inclusion into the BRMIMP.	Provide to the CPM for review and approval the riparian restoration plan.	45 days prior to ground disturbance	11/30/01	7/23/01	10/17/01	Complete
BIO-6	Develop WEAT for biological resources.	State in the Monthly Compliance Report the number of persons who have completed the training in the prior month.	Monthly Compliance Report				In progress
BIO-6	Develop WEAT for biological resources.	Provide copies of the WEAT and the name and qualifications of the person(s) administering the program.	60 days prior to start of rough grading	11/15/01	9/20/01	12/5/2001 3/13/02 (video)	Complete
BIO-7	Acquire a SAA from CDFG.	Submit to the CPM a copy of the final CDFG Streambed Alteration Agreement.	30 days prior to the start of any streambed alteration disturbances		9/30/02 (outfall)		In progress
BIO-8	Provide a final copy of the U.S. Fish and Wildlife Service Biological Opinion.	Submit to the CPM a copy of the USFWS Biological Opinion.	45 days prior to the start of ground disturbance	11/30/01	7/23/01	7/27/01	Complete
BIO-9	Provide a final copy of the Nationwide No.7 permit.	Submit to the CPM a copy of the Nationwide No. 7 permit.	30 days prior to the start of any streambed alteration	8/1/02	8/14/02		Submitted
BIO-10	Provide 116 acres of land on Tulare Hill and 15 acres of land on Coyote Ridge, the name of the entity that will be managing the land in perpetuity, and the endowment funds.	Provide to the CPM for approval, the name of the management entity, written verification that the compensation lands have been purchased and written verification that the appropriate endowment fund has been received.	Within one week of commencing ground disturbance activities	1/21/02	2/26/02		Submitted
BIO-11	Develop a suitable final habitat management and monitoring plan for lands purchased on Tulare Hill and Coyote Ridge.	Provide the CPM with the final approved version of the management plan. Incorporate into BRMIMP.	60 days prior to start of ground disturbance	11/15/01	6/25/01	7/9/01	Complete
BIO-12	Incorporate into closure plan measures that address the local biological resources and incorporate into the BRMIMP.	Address all biological resource-related issues associated with facility closure.	12 months prior to facility closure				
BIO-13	Comply with BIO-1, BIO-2, and BIO-10 and complete BIO-6. Examine the area and ensure no special status species are present.	Provide the CPM with the location, date(s), methods(s), and results of the pre-examination.	10 days prior to mobilization	1/4/02	9/28/01	10/17/01	Complete
SOIL & WATER-1	Disinfected, tertiary-treated, recycled water will be used at the Metcalf Energy Center for cooling purposes and other appropriate non-potable uses.	Provide CPM with a copy of a valid Recycled Water use permit from the City of San Jose.	Construction complete				
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Monthly Compliance Report				In progress
SOIL & WATER-1	Potable water may be used for cooling purposes only in the event that SBWR recycled water service is interrupted.	Provide a record of water consumption for the MEC.	Annual Compliance Report				
SOIL & WATER-1	Provide a firm commitment for its construction water supply.	Submit commitment to CPM.	30 days prior to the start of construction	8/2/02	12/5/01	12/28/01	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Submit a copy of the SWPPP to the CPM for review and approval.	30 days prior to start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-2	Storm Water Pollution Prevention Plan (SWPPP) for construction.	Approval of the plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	1/14/02	8/31/01	10/18/01	Complete for project site
SOIL & WATER-3	Final erosion control and revegetation plan that addresses all project elements.	Approval of the final plan by the CPM must be received prior to the initiation of any clearing, grading or excavation activities.	Start of ground disturbance	12/15/01	8/31/01	10/18/01	Complete for project site
SOIL & WATER-4	Obtain SCVWD approval for all activities within floodways or upon or within the banks of watercourses.	Obtain SCVWD approval.	30 days prior to ground disturbance	12/15/01	8/31/2001 12/2/02	1/25/02	Complete (5 permits to date)
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP).	60 days prior to commercial operation				
SOIL & WATER-5	Develop and implement a Storm Water Pollution Prevention Plan (SWPPP) as required under the General Industrial Activity Storm Water Permit.	Submit a copy of the Storm Water Pollution Prevention Plan (SWPPP).	2 weeks prior to commercial operation				
SOIL & WATER-6	Industrial Discharge Permit from the City of San Jose Environmental Services Division.	Provide the CPM a copy of a valid Industrial Discharge Permit.	45 days prior to commercial operation				
SOIL & WATER-7	Obtain a Section 401 Certification from the San Francisco RWQCB.	Submit to the CEC CPM a copy of the Section 401 Certification.	30 days prior to the start of any streambed alteration activities	5/1/03	12/02/02 (outfall)		Complete for outfall
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Submit the following to the Energy Commission CPM: all construction specifications, a copy of the valid well permit(s) and registration numbers, any construction or operation conditions.	30 days prior to construction of wells				
SOIL & WATER-8	Shall only use groundwater for MEC process and domestic requirements and for back-up cooling make up from either the two wells and pipelines.	Notify the CPM that the wells have been installed and submit the results of the pump and aquifer tests conducted.	30 days after completion of wells				
SOIL & WATER-9	Design, construct, and fully fund the portion of the SBWR reclaimed water supply pipeline dedicated to, and essential for, the operation of MEC.	Submit evidence demonstrating that the project owner has negotiated or is negotiating one or more agreements to provide SBWR reclaimed water.	30 days prior to start of construction	8/2/02	8/24/01	10/1/01	Complete
GEO-1	Assign to the project an engineering geologist(s).	Submit to the CPM the name(s) and license number(s) of the certified engineering geologist(s).	30 days prior to start of construction	8/2/02	7/27/2001 1/28/02	N/A	Complete
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist	Replacement of Engineering Geologist	1/28/02	1/28/02	2/6/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit Grading Permit Application	Application for Grading Permit per GEO-2	1/11/02	1/11/02	4/4/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit a signed statement to the CPM stating that the Engineering Geology Report has been submitted to the CBO .	15 days after submittal of application	1/26/02	1/14/02	1/24/02	Complete
GEO-2	The assigned engineering geologist(s) shall carry out the duties required by the 1998 CBC.	Submit copies of the Final Engineering Geology Report to the CPM and the CBO.	90 days following completion of Final Grading				
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Submit the name and resume and the availability for its designated paleontological resource specialist.	90 days prior to start of construction	6/3/02	7/26/01	7/27/01	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
PAL-1	Ensure that the designated paleontological resource specialist is available for field activities.	Obtain CPM approval of the replacement specialist.	10 days prior to termination or release of PRS				
PAL-2	Prepare Paleontologic Resources Monitoring and Mitigation Plan.	Provide the CPM with a copy of the Monitoring and Mitigation Plan.	60 days prior to start of construction	6/12/01	6/12/01	7/27/01	Complete
PAL - 3	WEAT for paleo resources.	Submit to the CPM for review, comment, and written approval, the WEAT.	30 days prior to start of construction	9/20/01	9/20/01	10/3/2001 3/20/02 (video)	Complete
PAL-3	WEAT for paleo resources.	Documentation for training of additional new employees.	Monthly Compliance Report				In progress
PAL-4	The designated paleontological resource specialist shall be present at all times he or she deems appropriate to monitor.	Include a summary of paleontological activities.	Monthly Compliance Report				In progress
PAL-5	Ensure recovery, preparation for analysis, analysis, identification and inventory, the preparation for curation, and the delivery for curation of all significant paleontological resource materials.	Maintain in compliance files copies of signed contracts or agreements with the designated paleontological resource specialist. Maintain these files for a period of three years after approval Paleontological Resources Report.	Periodic Audit by the CPM per PAL-5				
PAL-6	Ensure preparation of a Paleontological Resources Report by the designated paleontological resource specialist.	Submit a copy of the Paleontological Resources Report to the CPM for review and approval.	Within 90 days following completion of the analysis				
PAL-7	Include in the facility closure plan a description regarding facility closure activity's potential to impact paleontological resources.	Include a description of closure activities in the facility closure plan.	Facility Closure Plan				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Submit to the CPM a statement of verification attesting that all designs, construction, installation and inspection requirements of the applicable LORS and the Decision have been met.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-1	Design, construct and inspect the project in accordance with the 1998 California Building Code (CBC) and all other applicable LORS in effect at the time initial design plans are submitted to the CBO for review and approval.	Provide the CPM a copy of the Certificate of Occupancy.	Within 30 days after receipt of the Certificate of Occupancy.				
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO and to the CPM.	60 days prior to start of rough grading	11/15/01	10/4/01	10/18/01	Complete
GEN-2	Submit to the CPM and CBO a schedule of facility design submittals, a Master Drawing List, and a Master Specifications List.	Provide schedule updates in Monthly Compliance Report	Monthly Compliance Report				
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Make the required payments to the CBO at the time of submittal.	Submittal of plans to the CBO.				In progress
GEN-3	Make payments to the CBO for design review, plan check and construction inspection.	Send a copy of the CBO's receipt of payment to the CPM.	Monthly Compliance Report after Fees are Paid	11/15/01	12/14/01	N/A	In progress
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit to the CBO for review and approval, the name, qualifications and registration number of the RE.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM/CBO	Date approved by CPM/CBO	Status/ Comments
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO's approvals of the RE.	Within 5 days of CBO approval	8/12/01	9/19/01	N/A	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	12/12/01	12/12/01	1/16/02	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	1/21/02	1/18/02	N/A	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Submit qualifications of replacement RE.	Within 5 days	11/14/02	11/14/02	11/18/02	Complete
GEN-4	Assign a California registered architect, structural engineer or civil engineer, as a resident engineer (RE).	Notify the CPM of the CBO 's approval of the new engineer (RE).	Within 5 days of CBO approval	11/23/02	11/20/02	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers.	30 days prior to start of rough grading	12/15/01	8/1/01	8/7/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	The project owner shall notify the CPM of the CBO 's approvals of the engineers within five days of the approval.	Within 5 days of CBO approval	8/12/01	8/16/01	N/A	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Submit qualifications of replacement engineer.	Within 5 days		12/17/01 11/26/01	1/16/02 1/18/01	Complete
GEN-5	Assign A) a civil engineer; B) a geotechnical engineer;C) a design engineer; D) a mechanical engineer; and E) an electrical engineer.	Notify the CPM of the CBO 's approval of the new engineer.	Within 5 days of CBO approval		1/18/02 & 1/28/02	N/A	Complete
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CBO for review and approval, with a copy to the CPM, the name(s) and qualifications.	15 days prior to any activity requiring Special Inspection		1/11/02	1/16/02	In progress
GEN-6	Assign qualified and certified special inspector(s).	Submit to the CPM a copy of the CBO's approval.	Monthly Compliance Report after Special Inspectors are approved		2/14/2002 10/22/02		In progress
GEN-6	Assign qualified and certified special inspector(s).	Replacement of special inspectors	Replacement of Special Inspector				
GEN-6	Assign qualified and certified special inspector(s).	Notify the CPM of the CBO's approval of the newly assigned inspector.	Within 5 days of CBO approval				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Submit monthly construction progress reports to the CBO and CPM.	Monthly Construction Progress Report				In progress
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Document the discrepancy and recommend the corrective action required.	Discrepancy in Design or Construction				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	Transmit 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 CBO Approval or Disapproval of Discrepancy				
GEN-7	Keep the CBO informed regarding the status of engineering and construction.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO 's approval.	Within 5 days of CBO Approval or Disapproval of Discrepancy				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
GEN-8	Obtain the CBO's final approval of all completed work.	Submit to the CBO, with a copy to the CPM, a written notice that the completed work is ready for final inspection, and a signed statement that the work conforms to the final approved plans.	Within 15 days of the completion of any work				
CIVIL-1	Prior to the start of site grading,submit to the CBO for review and approval the following:1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit the documents described above to the CBO for review and approval.	15 days prior to start of rough grading	12/30/01	8/27/01	4/2/02	Complete (Except for approval of Construction Facilities Plan, Rev.2)
CIVIL-1	Prior to the start of site grading,submit to the CBO for review and approval the following:1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications; 4. Soils report	Submit a written statement certifying that the documents have been approved by the CBO.	Monthly Compliance Report after CIVIL-1 Documents are Approved	5/14/02	5/14/02		Submitted with May Monthly Compliance Report.
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Notify CPM within 5 days when work is stopped.	Within 5 days when work is stopped				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Submit modified plans, specifications and calculations to the CBO based on new conditions.	Work Stopped Due to Unforeseen or Adverse Soil Conditions				
CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible geotechnical engineer identifies unforeseen adverse soil or geologic conditions.	Copy CPM within 5 days of CBO approval of Modified Plans.	5 days of CBO approval				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Start of Rough Grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	The resident engineer shall transmit to the CBO and the CPM a Non-Conformance Report and the proposed corrective action.	Within 5 days of discovery of discrepancy in grading				
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, Inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	Submit the details of the corrective action to the CBO and the CPM.	Within 5 days of resolution of grading NCR.				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
CIVIL-3	Perform inspections in accordance with the 1998 CBC, Chapter 1, Section 108, inspections, Chapter 17, Section 1701.6, Continuous and Periodic Special Inspection and Appendix Chapter 33, Section 3317, Grading Inspection.	A list of NCR's, for the reporting month, shall also be included in the following Monthly Compliance Report.	Monthly Compliance Report after Resolution of Grading NCR.				
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit to the CBO 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.	30 days after completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	7/26/02	7/26/02		Complete for phase 1 grading only.
CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage facilities, the project owner shall obtain the CBO's approval of the final "as-graded" grading plans, and final "as-built" plans for the erosion and sedimentation control facilities.	Submit a copy of this report to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report Following Completion of the Erosion and Sediment Control Mitigation and Drainage Facilities	8/14/02	8/14/02		Complete for phase 1 grading only.
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CBO, with a copy to the CPM, the responsible design engineer's signed statement that the final design plans, specifications and calculations conform with all of the requirements.	30 days prior to any increment of STRUC-1 Construction				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Obtain approval from the CBO of lateral force procedures proposed for project structures. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. Submit to the CBO the required number of copies of the structural plans, specifications, calculations. The final designs, plans, calculations and specifications shall be signed and stamped by the responsible design engineer.	90 days prior to the start of on-site fabrication and installation of each structure				In progress
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	If the CBO discovers non-conformance with the stated requirements, resubmit the corrected plans to the CBO with a copy to the CPM.	Within 20 days of receipt of the nonconforming submittal				
STRUC-1	Submit to the CBO for review and approval the applicable designs, plans and drawings, and a list of those project structures, components and major equipment items that will undergo dynamic structural analysis.	Submit to the CPM a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and are in conformance with the requirements.	Approval by the CBO of Resubmitted STRUC-1 Submittal				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit test reports and inspection reports to the CBO	Test Reports or Inspection Reports are Complete				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
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STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If a discrepancy is discovered in any of the above data prepare and submit an NCR to the CBO, with a copy of the transmittal letter to the CPM.	Within 5 days of discovery of discrepancy				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Submit a copy of the corrective action to the CBO and the CPM.	Within five days of resolution of the NCR				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	Transmit a copy of the CBO 's approval or disapproval of the corrective action to the CPM.	Within 15 days of CBO approval				
STRUC-2	The project owner shall submit to the CBO the required number of sets of the following: See STRUC-2.	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO 's approval.	Within 5 days of CBO disapproval				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CBO of the intended filing of design changes, and shall submit the required number of sets of revised drawings and the required number of copies with a copy of the transmittal letter to the CPM.	Design Changes to STRUC-1 Designs Previously Approved by the CBO				
STRUC-3	Submit to the CBO design changes to the final plans required by the 1998 CBC, Chapter 1, Section 106.3.2, Submittal documents, and Section 106.3.3.	Notify the CPM, via the Monthly Compliance Report, when the CBO has approved the revised plans.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification.	30 days prior to the start of installation of the tanks or vessels				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Send copies of the CBO approvals of plan checks to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report				
STRUC-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts must be designed to comply with Occupancy Category 2 of the 1998 CBC.	Transmit a copy of the CBO 's inspection approvals to the CPM.	Monthly Compliance Report				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Submit to the CBO for approval, with a copy to the CPM, the proposed final design plans, specifications, calculations, and quality control procedures for that increment of construction of piping systems.	30 days prior to the start of any increment of piping construction				
MECH-1	Prior to the start of any increment of piping construction, submit, for CBO review and approval, the proposed final design drawings, specifications and calculations for each plant piping system.	Transmit a copy of the CBO 's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of MECH-1 Piping Systems				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Submit to the CBO for review and approval, final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification, with a copy to the CPM.	30 days prior to the start of on-site fabrication or installation of any pressure vessel				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	The project owner shall send copies of the CBO plan check approvals to the CPM in the following Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for Pressure Vessels				
MECH-2	For all pressure vessels installed in the plant, submit to the CBO and Cal-OSHA, prior to operation, the code certification papers and other documents required by the applicable LORS.	Transmit a copy of the CBO 's and/or Cal-OSHA inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of Pressure Vessels Defined in MECH-2				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that 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, with a copy to the CPM.	30 days prior to the start of construction of any HVAC or refrigeration system				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Send copies of CBO comments and approvals to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after CBO Approval of Plan Checks for HVAC Systems				
MECH-3	Prior to the start of construction of any heating, ventilating, air conditioning (HVAC) or refrigeration system, submit to the CBO for review and approval the design plans, specifications, calculations and quality control procedures for that system.	Transmit a copy of the CBO's inspection approvals to the CPM in the Monthly Compliance Report following completion of any inspection.	Monthly Compliance Report after CBO Inspection Approval of HVAC Systems Defined in MECH-3				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Submit to the CBO the final design plans, specifications and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC	30 days prior to the start of construction of any of the above systems				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Send the CPM a copy of the transmittal letter with the signed and stamped statement from the responsible mechanical engineer certifying compliance with the applicable edition of the CBC in the next Monthly Compliance Report.	Monthly Compliance Report after Mechanical Engineer Certification of HVAC System per MECH-4				
MECH-4	Prior to the start of each increment of plumbing construction, submit for CBO 's approval the final design plans, specifications, calculations, and QA/QC procedures for all plumbing systems, potable water systems, drainage systems, toilet rooms, building energy conservation systems, and temperature control and ventilation systems, including water and sewer connection permits issued by the local agency.	Transmit a copy of the CBO 's inspection approvals to the CPM in the next Monthly Compliance Report following completion of that increment of construction.	Monthly Compliance Report after CBO Inspection of HVAC System per MECH-4				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Submit to the CBO for review and approval the final design plans, specifications and calculations for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer.	30 days prior to the start of each increment of electrical construction				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	Send a copy of the transmittal letter of the signed and stamped statement from the electrical engineer attesting compliance with the applicable LORS to the CPM.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-1				
ELEC-1	For the 480V and higher systems, shall not begin any increment of electrical construction until plans for that increment have been approved by the CBO.	The following activities shall be reported in the Monthly Compliance Report: 1. Receipt or delay of major electrical equipment, 2. Testing or energization of major electrical equipment.	Monthly Compliance Report after Receipt or Testing of Equipment or CBO Approval of Electrical Drawings per ELEC-1				
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Submit to the CBO for review and approval the final design plans, specifications and calculations, for electrical equipment, including a copy of the signed and stamped statement from the responsible electrical engineer certifying compliance with the applicable LORS.	30 days prior to the start of each increment of electrical equipment installation				In progress
ELEC-2	The project owner shall submit to the CBO the required number of copies of items A and B for review and approval and one copy of item C [CBC 1998, Section 106.3.2, Submittal documents.]	Send a copy of the transmittal letter of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS to the CPM in the next Monthly Compliance Report.	Monthly Compliance Report after submitting Electrical Documents for CBO Approval per ELEC-2				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: Design drawings, specifications and calculations for the poles/towers, foundations, anchor bolts, conductors, grounding systems and major switchyard equipment.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: b) For each element of the transmission facilities as identified above, the submittal package to the CPM shall contain the design criteria, etc.	60 days prior to construction of transmission facilities				
TSE-1	Ensure the design, construction and operation of transmission facilities conform to requirements TSE1a - h listed in Conditions of Certification.	Submit for approval to the CPM: c) Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment.	60 days prior to construction of transmission facilities				
TSE-2	Inform the CPM of any impending changes which may not conform to the requirements of 1a - h listed in TSE-1 and request CPM approval to implement changes.	Inform the CPM of any impending changes which may not conform.	60 days prior to construction of transmission facilities				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM "as built" engineering description(s) and one-line drawings of the as-built facilities signed and sealed by a registered electrical engineer in responsible charge.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM an "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
TSE-3	Be responsible for the inspection of the transmission facilities during and after project construction and any subsequent CPM approved changes.	Transmit to the CPM a summary of inspections of the completed transmission facilities, and identification of any nonconforming work and corrective actions taken, signed and sealed by the registered engineer.	Within 60 days after synchronization of the project				
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH PRE-CONSTRUCTION MILESTONES TO ENABLE START OF CONSTRUCTION WITHIN ONE YEAR OF CERTIFICATION	Project Certification	10/24/01	10/24/01	11/19/01	Complete
Governor's Executive Order No. D-25-01	Milestones, and method of verification must be established and agreed upon by the project owner and the CPM no later than 30 days after project approval, the date of docketing. If this deadline is not met, the CPM will establish the milestones.	ESTABLISH CONSTRUCTION MILESTONES FROM DATE OF START OF CONSTRUCTION	Project Certification	10/24/01	10/24/2001 9/10/02 (rev.)	11/19/2001 10/25/02 (rev.)	Complete

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION		9/1/2002					
Condition No.	**Requirements & Task Summary**	**Action required**	**Event**	**Required Submittal Date**	**Date submitted to CPM/CBO**	**Date approved by CPM/CBO**	**Status/ Comments**
US Dep Commerce	The project applicant shall notify the NMFS Santa Rosa office when project construction begins and ends. (horizontal drilling)	Notify NMFS	Start of streambed alteration activities				
Pre-constr matrix	Prior to commencing construction a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted to the CPM.	Construction shall not commence until the pre-construction matrix is submitted, all pre-construction conditions have been complied with, and the CPM has issued a letter to the project owner authorizing construction.	Start of Construction	9/1/02	8/7/02	8/30/02	Complete
Compliance matrix	A compliance matrix shall be submitted by along with each monthly and annual compliance report.	Submit compliance matrix to CPM	Monthly Compliance Report	11/15/01	11/15/01		On-going

PUBLIC CONTACT LOG

COMPLAINTS, NOTICES OF VIOLATION, OFFICIAL WARNINGS AND CITATIONS

CALL LOG FOR MEC PUBLIC INFORMATION PHONE LINE

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

MEC PUBLIC CONTACT LOG - December 2002

DATE/TIME	NAME & CONTACT	FORM OF CONTACT	PURPOSE OF CALL/CONTACT	ACTION/RESOLUTION	DATE/TIME OF RESPONSE	MEC REP
12/2/02 8:17AM	Seema Tendulkar, Realtor	Phone	Local realtor asked for exact location of the plant and potential impacts.	Returned call and left message	12/4/02 2:40PM	Lisa Poelle
				Spoke to caller on phone. Referred to project web site and sent information.	12/5/02 Spoke to caller	Lisa Poelle

CBO SUBMITTALS, COMMENTS AND APPROVALS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #15

WILLDAN
Serving Public Agencies

Power Plant CBO Team
Metcalf Energy Center
San Jose, California

17 December 2002

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey

Attention: Jim Ferrara

Subject: CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: ELEC-1

Duct Bank/Underground Conduit Submittal #5003-000074
Preliminary Review - Request for Information and Clarification

The following are general comments regarding the submittal package containing 61 drawings. This is an overview; specific drawings are referenced as examples.

1. Please provide the Cable and Conduit Schedule.

2. Please provide Specification #16118 for Duct-Banks and Manholes.

3. The nominal voltage level needs to be defined for the conductor cable. Several key codes appear on various drawings indicating low, medium and high voltage designations. The nominal voltages need to be added: 24 vdc, 480, 4160, etc.

4. There are a variety of different voltages in the same duct, such as drwg# E-382-R0 Section J-J. Please confirm that this design is intentional.

5. The drawings show the boundary lines of other foundations. Names and/or descriptions of these foundations need to be identified on the drawings.

6. Regarding Note# 15 on drwg E-370-R2 which says that the Electrical Contractor needs to use other drawings to ensure there is no interference with other foundations and structures.

   Comment: This note appears to transfer responsibility for the design to the Electrical Contractor. This note needs to be deleted or re-worded. If the note remains as is, then all of the pertinent civil and mechanical drawings need to be referenced.

7. The 61 drawings contain 23 bubbled-in areas indicating that a major piece of equipment on HOLD. These are designated: E014, E015, E016, E017, E018, E019, E020, E021, E023, E024 E025, E026, E027, E029, E030, E032, E033, E034, E036, E037, E038, E039 and E040. Question: Has any of this equipment been taken off hold, and if so, please provide revised drawings.

8. Master drawing #E-301 indicates "230KV underground" on three places heading under the road beside the switch-yard. The pertinent plan view detail drawings E302, E303, and E304 show NO duct banks in this area. Question: should this note say "230KV Overhead" instead of underground?

   Comment: If overhead, tower foundations need to be identified.

9. Plastic PVC conduit for grounding is being used in the CTG foundation as indicated in drawing S-350 and others. Please confirm that this is intentional.

10. Duct-Bank drawings DO NOT show grounding conduits in plan view. Meanwhile, the CTG foundation drawing DOES show grounding conduits in plan view. This is exemplified in CTG drawing E-350-R1 (with grounding) that continues on to Duct Bank drawing E-306-R0 (without grounding) in the plan view. Please clarify.

11. Regarding typical note #3 on drawing E-350 on CTG Foundation; says: Exact position of conduit needs to be determined in the field, and minimum separation criteria needs to be followed.

    Comment: Add a note indicating where this information is to be found.

    Comment: Add note that field personnel will "obtain approval" of the finished separation distances from the responsible person who will inspect the work.

12. Duct bank minimum separation criteria is provided in drwg# E370. Please clarify on drawings that the separation criteria are suitable for foundations as well as duct banks.

13. Drawings in some instances show conduits with two numbering systems one as described in the key, and the other in parenthesis. For example: drwg# E304R0 shows 3-1701-3" and (RC940).

    Comment: Add notes to explain the significance of these numbers in parenthesis.

We will proceed with individual drawing review and look forward to your reply.

Sincerely,

Bart W. Brierty

CBO Plan-Check Coordinator
Willdan-AIMS Corp.
Power plant CBO Team

WILLDAN
Serving Public Agencies

Power Plant CBO Team
Metcalf Energy Center
San Jose, California

20 December 2002

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey

Attention: Jim Ferrara

Subject: CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: STRUC-1

STG Main Step-up Transformer Foundation Plans
Calculations (02484-001-06-008)
Submittal #3044-000110

The CBO plan-check comments are listed below:

PART 1 – STRUCTURAL CALCULATIONS

1. Please provide calculations for the steel beam supporting details shown on sheet S578.

2. Please check the anchor bolts' shear capacity for the Step-up Transformer support, see Detail 2 on sheet S578.

3. Please provide calculations for the steel ladder shown on sheet S578.

PART 2 – STRUCTURAL PLANS

4. In Section B-B of sheet 577, please provide details showing the connection between the 2' thick wall and 8" slab. Also, in this section, please call out the 8" thick wall vertical dowel length (the portion above the foundation mat).

5. In Section C-C of sheet 577, suggest, at the top of the 2' thick walls, providing horizontal reinforcement normal to the wall vertical surfaces in order to control concrete shrinkage and temperature stress.

6. On sheet 578, please call out the length of the diagonal rebar shown in Section J-J and K-K.

7. In Detail 1 of sheet 578, the detail indicates both ends of the beam can move, which is not desirable. Please change one end to fix by using regular size holes on the supporting angles.

8. In Detail 3 of sheet 578, it is impractical to have fillet welds at both sides for the connection of C8x11.5's shown on the left of the plan view. Please revise.

9. In Detail 3 of sheet 578, please call out railing size and show connection details.

10. In the Elevation view of Detail 3 on sheet 578, please call out the size and spacing of bolts connecting the top ladder support to C8x11.5.

11. In Detail 3 of sheet 578, please show the connection details between C8x11.5 and L 3x3x1/4.

Sincerely,

Bart W. Brierty

CBO Plan-Check Coordinator
Willdan-AIMS Corp.
Power Plant CBO Team

WILLDAN
Serving Public Agencies

Power Plant CBO Team
Metcalf Energy Center
San Jose, California

20 December 2002

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey

Attention: Jim Ferrara

Subject: CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: STRUC-1

HRSG Foundation Plans Submittal #3046; CBO #000102

The CBO plan-check comments are listed below:

PART I – STRUCTURAL PLANS

1. SHEET 305:
Sheet S312 was not included in this submittal, but it is referred to in the plan. Please submit S312 for a complete review of HRSG foundation.

2. SHEET S305:
Section S-S is not on S310, please clarify.

3. SHEET S305:
There are two Detail 1 and Detail 2 called out in this sheet. Please renumber one of them to clarify.

4. SHEET S310:
Please provide calculations to check the lateral load capacities of anchor bolts and vertical dowels shown in Detail 1 and Detail 2.

5. SHEET S313:
Please provide calculations to check the lateral load capacities of anchor bolts shown in Section D-D (3 places).

6. SHEET S313:
Please provide calculations to check the lateral load capacities of anchor bolts shown in Detail 17.

7. SHEET S313:
   In Section E-E, please note the compressive force due to stack overturning moment will be transferred to the foundation through the base plate. Please verify the base plate capacities, including bending and shear.

8. SHEET S313:
   In Section K-K, the notes refer to a "Pocket Detail", however, it is not clear where the detail is located. Please clarify.

Sincerely,

Bart W. Brierty

CBO Plan-Check Coordinator
Willdan-AIMS Corp.
Power Plant CBO Team

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Serving Public Agencies

Power Plant CBO Team
Metcalf Energy Center
San Jose, California

20 December 2002

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey

Attention: Jim Ferrara

Subject: CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: STRUC-1

Pipe Rack Steel Structure Plans and Calculations
Submittal #3042, CBO #000092

The CBO plan-check comments are as follows:

PART I – STRUCTURAL CALCULATIONS

1. PAGE 8 AND APPENDIX E:
It is not clear if the weights of the pipe contents have been included in the gravity and seismic loads in the design. Please clarify.

2. PAGE 19:
Please provide design calculations for the connections between columns, beams and diagonal braces.
Please provide design calculations for the pipe anchors to the structural members.

3. PAGE A-1:
The equation for calculating Pt seems not correct. The total shear load V shall also be divided by n.
It is not clear if the Pt is the pre – tensioning force in bolt. Please clarify.

4. PAGES A–10 TO A–24: (Column Group 1 – base plate design)
It is not clear if the bolts will have pre – tensioning or not. If yes, the pre – tensioning force shall be included in the bolt tension demand in the uplift case design.
The shear forces for the shear lug design are the reactions at columns D.2 –7 and E.2 – 6, which are not group 1 columns. Please verify.
The effectiveness of shear lugs in this design is questionable because the shear lugs are so shallow that they can only engage the 2" cover concrete. It should be noted that cover concrete is not reliable and may crack and spall off from the pier structure during the service life. It is recommended to increase the shear lug depth to be below the top layer pier reinforcement. In addition, the designer should check the potential concrete shear failure plane in front of the shear lug. Since the pier is only 30" wide, vertical pier reinforcement cross the shear failure plane may be required to provide enough shear friction capacity.

5. PAGE A – 64: (Column Group 3 – base plate design)
Only the shear force in one direction is included in the design. The worst combination of shear forces in both directions shall be considered.

6. Comments #4 and #5 also apply to other column groups. Please verify and revise if necessary.

PART II – STRUCTURAL PLANS:

7. SHEETS S902 TO S906:
Call out all joints between the columns, beams and braces and provide their details. Some structural members are not specified. Please call out.

8. Comment #7 applies to SHEETS S930 TO S932, S940 TO S945.

9. SHEETS S950 TO S956:
Call out all joints between the columns, beams and braces and provide their details. The structure configurations at some locations where Details 1, 2 and 3 are called out do not match the details on SHEET S965. Please verify.

10. SHEET S958:
Column splice details shall be provided.

11. SHEET S959, TYPES B, C, D AND E:
Specify the length, depth and thickness in the shear lug steel plate dimension call outs. Call out the welds between the base plate and shear lug plates.

12. SHEET S959, SECTION C-C:
Line up the bottom of the shear lug steel plates. (To be consistent with the dimension call outs in TYPE E)

13. SHEET S965, DETAIL 1:
It is not clear if there is any connection between the beam and column. Please verify with design calculations.
Specify the dimensions and welds of the cap plates.
Specify the dimensions and welds of the gusset plate.

14. SHEET S965, DETAIL 2:
The orientation of the column does not match what the detail is called out on the plans. Please verify.
Specify the dimensions and welds of the gusset plate.

15. SHEET S965, DETAIL 3:
Specify the dimensions and welds of the gusset plate.

Sincerely,

Bart W. Brierty
CBO Plan-Check Coordinator
Willdan-AIMS Corp.
Power Plant CBO Team

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Serving Public Agencies

Power Plant CBO Team
Metcalf Energy Center
San Jose, California

20 December 2002

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey

Attention: Jim Ferrara

Subject: CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: STRUC-1

Pipe Rack Foundation Plans and Calculations
Submittal #3042, CBO #000111

The CBO plan-check comments are as follows:

PART I – STRUCTURAL CALCULATIONS

1. PAGE B-1-4:
Please explain why the maximum service tension and shear loads are only 10 and 23 percent of the corresponding ultimate loads for the same node. Normally, the differences between them are close to the load factors being used.

2. ALL OTHER PILE CAP TYPES:
See comment 1 above.

3. PAGE C-5:
Please explain why there is no net-tension for piers, while there are for columns

4. PAGE C-14:
See comment 3 above.

5. PAGE D-5 AND D-6: The tie beam max. moment and shear due to HS20 wheel load are not correct, and shall be corrected as follows:
Since the soil cover on the tie beam is less than 2', the wheel load shall be treated as concentrated load per AASHTO.
The max, moment and shear on the tie beam shall be derived from the worst scenario considering wheels at all possible locations along the beam.

PART III – STRUCTURAL PLANS:

6. Pile length is not available for check.

7. SHEETS S530 AND S540:
Foundations along Grid 8, Grid 13 and Grid L of the pipe rack were not provided in this submittal, thus they were not checked here.

8. Piers at D5, E4.8, F4.8 and G4.8 are shown in dashed lines on the plan without call-outs. Please clarify

9. Tie beams between E4.8 and G4.8 are shown without call-outs. Please clarify on the plan.

10. Show and call out the pockets on pile caps F7 and F8.

11. SHEET S552, ADD'L REINF THRU PILE CAP @ TIE BEAM:
This detail does not apply to most connections between the tie beam and the pile cap (Most of the of pile caps have tie beam at one side only). It is recommended to specify the min. embedment of the additional rebar into the concrete.

12. SHEET S553, TYPICAL PIER SECTION:
Call out the location of the first #4 tie from the bottom.

13. SHEET S553, ANCHOR BOLT SCHEDULE:
It is not clear if "A" is the total length of the bolt or the required embedment. Please clarify.

    It is not clear where TYPE A and TYPE C bolts apply. It is necessary to specify on the foundation plans or the column schedule.

14. SHEET S553, POCKET DETAIL 1:
It is not clear where this detail applies. (It is not called out on SHEET S540.) Please verify. Please verify if this detail is the same as DETAIL 1 on SHEET S551. Note they do not match each other.

15. SHEET S553, POCKET DETAIL 2 AND POCKET DETAIL 3:
See comment 16 above.

16. SHEET S553, POCKET DETAIL 4:
It is not clear where this detail applies. (It is not called out on SHEET S540.) Please verify.

Sincerely,

Bart W. Brierty
CBO Plan-Check Coordinator
Willdan-AIMS Corp.
Power plant CBO Team

WILLDAN
Serving Public Agencies

Power Plant CBO Team
Metcalf Energy Center
San Jose, California

20 December 2002

Burns and Roe Enterprises, Inc.
Mt. Laurel, New Jersey

Attention: Jim Ferrara

Subject: CEC Docket No.: (99-AFC-3C)
CBO Project No.: MEC 13254
CBO Condition: STRUC-1

Cooling Tower Foundation Plans Submittal #3027, CBO# 000115

The CBO plan-check comments are as follows:

PART 1 – STRUCTURAL PLANS

1. On sheet 356, please delete the dashed lines around the pump structure foundation; otherwise, they might be misinterpreted as "CJ", or "EJ".

2. On sheet 362, please add a detail showing the connection between tie beams and pile caps.

3. On sheet 362, please change the fillet weld for shear lugs shown in Embedded Plate Detail 14 from 3/16" to 5/16" according to AISC manual for 1.5" thick members (the thicker plate).

4. On sheet 363, please move the second and third notes to under Section A-A, since they don't apply to all details shown on this sheet. Otherwise, the contractor might cut the base mat reinforcement at control joint.

5. On sheet 363, please clarify the base mat reinforcement layer sequence. Note Section B-B shows the transverse bars are at the outermost layers, while Section C-C shows the opposite. Section A-A shows both ways, because it applies to both sides of the footing.

Sincerely,

Bart W. Brierty

CBO Plan-Check Coordinator
Willdan-AIMS Corp.
Power Plant CBO Team

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates							Comments
				Issued	Response Due	Response Forecast	Response Received	Resubmit	Plan Checker	Status	
Never Assigned	Never Assigned	00001	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned		Never Assigned	
Never Assigned	Never Assigned	00002	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned	Never Assigned		Never Assigned	
		00009	**Construction Facilities** Drawing	2/27/2002	3/20/2002	3/21/2002					
GEN-2		00010	**Gas Turbine Difuser**	2/27/2002	3/20/2002	3/21/2002	3/29/2002	See 00025		A-3/29/2002	
GEN-2		00025	**Gas Turbine Difuser** Condition of Certification	4/22/2002	NA					A-4/24//02	
GEN-6	1008		Field Engineers and Special Inspectors John Edwin Nelson and Roman M. Reyes							A-9/28/02	
GEN-5	1009		Bechtel Proposed CBO Submittal List (24193-000-T01-GEGX-00018)							C-10/16/02	
GEN-5	1011		Qualifications Statement Ballod (Civil), Masl (Mech) & Rubin (Elect)							A-1/18/02	
GEN-4	1012		Statement of Qualifications, Shuke Miao, (Resident Engineer [CIVIL]) Mortenson							A-1/17/02	
GEN-5	1013		Statements of Qualifications C. Barry Butler and Richard G. Woodward-(Geotech)							A-1/16/02	
GEN-5	1014		Statement of Qualifications, Bill Petroski							C-1/18/02	
GEN-5	1015		Special Inspectors-Jarrod Bordl (1 of 6) ICBO/ACI	1/11/2002						A-1/16/02	AWS/CW
GEN-5	1015		Special Inspector-Kevin Brown (2 of 6)-ICBO/ACI	1/11/2002						A-1/16/02	
GEN-5	1015		Special Inspector-Leah Welliver (3 of 6)-ICBO/ACI	1/11/2002						A-1/6/02	
GEN-5	1015		Special Inspector - Steven Harvey (4 of 6)-ICBO/ACI	1/11/2002						A-1/16/02	
GEN-5	1015		Special Inspectors-Bundy Chamberlain Jr.(5 of 6)	1/11/2002						C-1/16/02	
GEN-5	1015		Special Inspectors - Daniel Camacho (6 of 6)	1/11/2002						C-1/16/02	
GEN-6	1015		Statement of Qualification - Special Inspectors	1/11/2002						C-1/17/02	
GEN-5	1016		Statement of Qualifications, Emma, Chalnese							A-9/20-02	
GEN-1	1017	00051	CBO Submital List	7/18/2002	NA						
GEN-1	1017	00083	CBO Submital List	10/11/2002	NA						
GEN-5	1017		Statement of Qualifications, Lantry							A-9/20/02	
GEN-1	4003	00091	Unsealed Review of Documents Fire Risk Evaluation Plan, Rev. B (10/30/02) M203 Fire Protection Arrangement Sheet 1, Rev. 0. (10/18/02) M201 General Arrangement Plan at Grade, Sheet 1 of 13 Rev. (6/7/02) MT-P-2052-FWS-001, Piping and Instrumentation Diagram Fire Water, shet 1 of 2 Rev. 2 (9/17/02) mt-p-2053-fws-002, Piping and Instrumentation Diagram Fire Water 2 of 2 Rev. 2 (8/28/02)	10/30/2002	11/21/2002						**Please note that this package condition is Gen-5 while the package # is mechanical**

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CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

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CIVIL-1			Storm Drain System Design								
CIVIL-1	2001		Rough Grade Plan Check	8/29/2001						C-9/18/01	
CIVIL-1	2001		Grading Retaining Wall-Geotech Review	9/18/2001						C-10/19/01	
	2001		Geotechnical Report (by Arroyo)	1/12/2002						6/12/2002	
CIVIL-1	2002		Plot Plan - Bechtel C2-0000-00003							C-10/26/02	
CIVIL-1	2003		Engineering Geology Report	10/26/2002				See 2008			
CIVIL-1	2004		Engineering Geology Report	10/26/2002				See 2008			
CIVIL-1	2005		Technical Pecification for Earthwork							C-11/15/02	
CIVIL-1		00020	Subsurface Investigation & Geology Report (BECTEL's) CY-0000-001 Rev H - 0-CG-0100-00002 Rev. 1, 0-CG-0090-00006 Rev. 0, 0-C2-0000-00001 Rev. 1	4/2/2002	NA					A-4/4/02	
GEO-2	2008		Engineering Geology Report - Application for Grading Permit							C-1/17/02	
GEO-2	2008	00007	Subsurface Investigation & Foundation Report-Responses to Arroyo's comments	2/15/2002	3/8/2002	3/22/2002	Verbal Evans	See 00012		Verbal Evans	
GEO-2	2008	00012	Subsurface Investigation and Foundation Report-Revisions	3/6/2002		3/22/2002	3/29/2002			A-3/29/02	
CIVIL-1	2009	00028	Sediment & Erosion control - C050 South laydown yard Sediment & Erosion Control Plan Rev 0 C060 Sedimentation & Erosion Notes & Details Rev 0 C061 Sedimentation&Erosion Details Rev.0	4/30/2002	5/21/2002	CEC				A-9/26/02 Verbal HK	Disposition dated 10/14/02
CIVIL-1	2009	00048	Sediment & Erosion Control Burns & Roe response to comments	7/3/2002	7/24/2002					A-9/26/02	Disposition dated 10/14/02
CIVIL-1	2010	00029	Burns & Roe Response to comments on Design of Concrete Filled Pipe Piles	5/6/2002	5/28/2002					A-5/8/02	**Approved with 3014**
CIVIL-1	2011	00054	Site Observation Report Dated 7/25/02	7/29/2002	9/30/2002						
CIVIL-1??		00004	Retaining Wall Design (Superceded by Keystone Blocks)	2/6/2002							
CIVIL-1	2012	00069	Retaining Wall as built drawings 0-CG-0090-0006 Rev 2 and 2484-C030 Rev. 0	9/13/2002	10/7/2002			Replaces FCR 0002			Low Priority per JF on 10/9/02
CIVIL-1	2013	00107	Drawing for Temporary Construction Facilities draw: C070R0	11/25/2002							

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WILLDAN CBO PROJECT NO. 13254

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MECH-1	4002	00080	P&ID Aqueous Ammonia Storage Drwgs MT-P-2015-AST-001 Rev.1, MT-P-2079-SSW-001 REV. 1, MT-P-2080-SWS-001 REV.2, MT-P2081-SWS-002 REV.2, MT-P-2052-FWS-001 REV 2, MT-P-2053-FWS-002 REV 2, MT-P-2003-GEN-003 REV.0, MT-P-2004-GEN-004 REV.0, MT-P-2005-GEN-005 RE	10/1/2002	10/22/2002						
MECH-1	4002	00086	P&ID Drawings- MT-P-2084-WWC-001- 1 of 4, MT-P-2085-WWC-002- 2 of 4, MT-P-2086-WWC-003- 3 of 4, MT-P-2087-WWC-004- 4 of 4 Rev 1 dated 10/17/02 MT-P-2042-CWS-001- 1 of 3 Rev. 2 MT-P-2046-FGS-001- 1 of 6, MT-P-2047-FGS-002- 2 of 6 MT-P-2046-FGS-003- 3 of 6,	10/21/2002	11/11/2002						
MECH-1	4004	00105	Mechanical Design Criteria	11/21/2002							

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ELEC-1	5001	00046	**Electrical Grounding:** Drawings / Plans E200R0, E201R0, E202R0, E203R0, E204R0, E205R0, E206R0, E207R0, E208R0, E209R0, E210R0, E212R0, E213R0, E214R0, E215R0, E216R0, E216R0, E230R0, E231R0, E232R0, E233R0	6/28/2002							
ELEC-1	5001	00050	**Electrical Grounding:** Drawings & Calculations E201, E203, E205, E207, E208, E209, E210, E212, E213, E215, E216, 2484-01-07-006 Rev. 1	7/18/2002	8/8/2002					A-10/22/02	
ELEC-1	5001	00067	**Underground Ground Cable Sizing** Calcs 02484-01-07-011 R0 Above Ground Cable Sizing Calcs 02484-01-07-012 R 0	8/30/2002	9/23/2002				E. Segura		
ELEC-1	5002	00057	**Electrical One-Line** Drawings E101, E102, E103, E104, E105, E106, E107, E108, E109, E110, E111, E113, E114, E120, E121, E122, E123, E124, E125 REV 0	8/2/2002	8/23/2002	10/15/2002			E. Segura	C-10/17/02	
ELEC-1	5002	00104	**Electrical Single-line** Drawing Draw: E-104,	11/15/2002					E. Segura		to elias 11-20-02
ELEC-1	5003	00074	**Electrical Drawing-Underground conduits** - Conditions of Certifications E354, Rev 0 dated 5/31 E300, E316, E319, E322, E323, E324, E326, Rev. 1 6/28 E371-, E376, E377,E378, E379, E381, E382, E383, E384, E385, E386 Rev 0 dated 7/17 E301, E302, E303, E304, E305, E306, E307, E308, E310, E311, E312, E313, E315, E317, E329, E330, E331, E332, E333, E335, E337, E341, E342, E343, Rev. 0 dated 8/23 E350, E351, E352, E353, E360, E362, E363, E364, E370,E374, E375 Rev. 1 dated 8/23 E314, E320, E327, E328, E370, Rev 2, dated 8/23	09/20/02	NA	To Checker 9/30/02	Fro:Check 12/12/02	To Engineer 12/16/02	ES	Not Approved	Major Scope Resulting a significant number of comments that need to be resolved by the engineer
ELEC-1	5004	00099	Calcs 02484-001-07-002 Load Flow and Voltage Drop, Rev. 0 dated 10/30/02 Calcs 02484-001-07-003 short Circuit, Rev. 0 dated	11/8/2002	11/29/2002						

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STRUC-1		00005	**CTG & STG** Foundation Piling Drawings S110 Composite Pile Plan Rev A S111 Pile Sections and Details S200 Combustion Turbine Generator Pedestal Pile Location Plan S240 Steam Turbine Generator Pedestal Pile Location Plan	2/6/2002	2/27/2002	3/21/2002	3/29/2002			A-3/29/02	
STRUC-1		00006	**Spec's for concrete** curing, forming & Grout 03100, 03390 & 03600 Rev. A	2/15/2002	3/8/2002		3/15/2002	See 00017		3/15/2002	
STRUC-1		00011	**CTG, STG & HRSG** Pile Calculations	2/28/2002	3/21/2002	3/21/2002	3/29/2002			A-3/29/02	
STRUC-1		00013	**Overdue Response Notification** CBO 0005, 0006, 0007	3/11/2002	NA			Resp to 00005,00006, 00007			
STRUC-1	3001		**HRSG** Foundation and Lateral calculations	8/9/2001						C-9/28-01	
STRUC-1	3001		**HRSG** Structural Calculations	11/1						C-11/7/02	
STRUC-1	3001		**HRSG** - Frame corner connections, shear blocks, base plates and casing stiffeners							C-1/14/02	
STRUC-1	3002	00003	**Piling Specs** (test piles) , 02472, Concete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev 0 03200 Concrete Reinforcement Rev 0 03300 Cast-in-Place Concrete Rev. 0 S108 Pile Load Test Plan Rev. 0.	1/31/2002			3/1/2002	See 00015		C-3/1/02	
STRUC-1	3002	00015	**Piling Specs** (test piles) 02472, Concete Filled Pipe Piles, Rev.C 02473 Pile Test Program Rev A 03200 Concrete Reinforcement Rev A 03300 Cast-in-Place Concrete Rev. A S108 Pile Load Test Plan Rev. D. S109 Test Pile Sections & Details Rev. D	3/14/2002	3/21/2002	3/21/2002	3/29/2002			A-3/29/02	
STRUC-1	3002	00089	**WaterPipe** Specification 03300 Dwg. For Circ. Water Pipe Support Frame	10/29/2002	11/19/2002						
STRUC-1	3004		Report on Seismic Design Motions							3/14/2002	
STRUC-1	3006		**Concrete formwork** , Curing & Grout Spec 03100, Concrete Curing Specs 03390 Rev. A and Grout, Spec 03600 Rev.A.	1/31/2002						A-3/26/2002	
STRUC-1	3006	00017	Spec's for concrete curing, forming & Grout 03100, 03390 & 03600 Rev. A	3/20/2002	4/10/2002					A-3/26/02	
STRUC-1	3007		Design Report for W501F Exhaust System Difuser							A-4/24/02	
STRUC-1	3009	00008	**HRSG Piles:** Pile Location Plan S300	2/20/2002	3/13/2003	3/21/2002	3/29/2002			A-5/15/02	

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STRUC-1	3010	00014	**Gas Turbine documentation** SWPC-CM-008 Enclosure "B" Side Platform Analysis SWPC-CM-009 Generator End Exterior Platform and Stair SWPC-CM-010 Exhaust End Exterior Platform and Stair SWPC-CM-011 Exhaust End Interior Platform and Stair 17-001-HR Sheets 1-7 R	3/13/2002	4/3/2002	4/3/2002	4/4/2002	See 00031		C-4/3/02	
STRUC-1	3010	00031	**Gas Turbine** Document - Calculations and other documentation and Siemens Westinghouse response to Willdan's 4/3 Comments Dwg 17-001-HR.R1	5/17/2002	NA					A-5/31/02	
STRUC-1	3010	00071	**Siemens Westinghouse:** Dwg 17-001-HR.R2 General Arrangement 501FD Inlet Silencer System.	9/18/2002	10/10/2002						
STRUC-1	3011	00016	Specs 01410 Rev. B -Testing Laboratory Services	3/18/2002	4/8/2002					A-4/8/02	
STRUC-1	3012	00018	**Civil Structural Design** Criteria	3/20/2002	4/10/2002		4/18/2002	as CBO 00026		N-4/18/02	
STRUC-1	3012	00026	**Civil/Structural Design** Criteria - fixed head moment values for each pile.	4/26/2002	5/17/2002					C-5/15/02	
STRUC-1	3012	00018	**Civil/Structural Design** Criteria					See 00018 & 00026		A-5/15/02	
STRUC-1	3012	00082	**Civil/Structural Design** Criteria Rev. 1	10/3/2002	10/24/2002					A-11/7/02	
STRUC-1	3013	00019	Gen. Notes & Typical Detail Drawings S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991,S993 & S997 Rev.0	4/29/2002		4/23/2002				A-4/30/02	
STRUC-1	3013	00027	Gen. Notes & Typical Detail Drawings S101, S680, S685, S690, S980, S981, S984, S985, S988, S989, S991, S993 & S997 Rev.A	4/29/2002	5/20/2002					A-4/30/02	
STRUC-1	3014	00082	Composite Pile Plan Drawing S110 Rev.1	10/3/2002	10/24/2002					A-11/7/02	Sent to E. Moran / Hans and Bart's review – get latest draw
STRUC-1	3014	00022	**CTG, STG, HRSG Piles** Calculations Concrete Filled Pipe Piles, 02484-001-06-001 Rev. O Combust Turb Found Unit 1, 02484-001-06-004 Rev. O Steam Turb Ped Found, 02484-001-06-005 Rev. O Mat Foundation for HRSG and Stack Unit 1, 02484-001-06-001 Rev. O Compos	4/4/2002	4/25/2002		4/26/2002	see 00029		A-5/8/02	Sent to JL (Industry 10/4) Approved Disposition dated 8/31/02
STRUC-1	3015	00023	**HRSG & Stack foundation** Mat Calc 02484-001-06-007 - Unit 2 Foundation Drawings: S305 HRSG Plan Unit #1 Rev. 0 S306 HRSG Plan Unit #2 Rev 0 S307 HRSG Reinforcing Plan Unit #1 Rev 0 S308 HRSG Reinforcing Plan Unit #2 Rev 0 S310 HRSG Section & Details Unit	4/12/2002	5/3/2002					A-5/16/02	
STRUC-1	3016	00021	200 Gal. Reservoir Hydraulic Power Unt/Seismic Calc.	4/2/2002	4/23/2002					A-5/10/02	

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STRUC-1	3017	00024	**CTG Foundation:** Drawings & Calcs. - CTG Foundations Calc 02484-001-06-004 CTG Units 1&2 Found. Rev.0 S205 CTG Units 1&2 Rev 0 S206 CTG Units 1&2 Rev 0 S208 CTG Units 1&2 Rev 0 S210 CTG Units 1&2 Rev 0	4/16/2002	5/7/2002		5/31/2002			A-5/31/02	**Approved with 2010** **Approved Disposition dated 10/22/02**
STRUC-1	3017	00073	**CTG:** Revisions and Resubmittal with the new Pile capacities - Calculations for CTG foundations Calculation 02484-001-06-004Rev 1 Dated 9/13	9/19/2002	10/3/2002			see 00072		A-10/22/02	Joe Lee
STRUC-1	3017	00095	**CTG Foundation** S205 Combustion Turbine Generator Units 1 & 2 Foundation Plan, Rev. 1 dated 10/29/02	11/5/2002	11/26/2002				hold		
STRUC-1	3018	00030	**Pile Testing** Revised doc. - ECN 001 Revisions for Specs 02473, Drwg S108, S109,	5/7/2002	NA			see 3037		A-5/15/02	Superceded by 3037
STRUC-1	3018	00032	Doc. Review by Lowney Accociate - ECN 001	5/20/2002	NA			see 3037		NA	Superceded by 3037
STRUC-1	3018	00040	**Pile Testing** Revised documents ECR 003 Spec 02472 Concrete-filled pipe piles Rev.1 S108, Pile Load Test Plan Rev 2 S109, Test Pile Sections and Details, Rev 2	6/20/2002	6/25/2002			see 3037			Superceded by 3037
STRUC-1	3018	00044	**Pile Testing** Revised Documents - Drwg S108, Pile Load Test Plan, Rev.3	6/27/2002	7/19/2002		7/23/2002	see 3037		7/23/2002	Superceded by 3037
STRUC-1	3018	00059	Revisions - Pile Test Program (ECR No. 004) Revisions to pile test program base on the test results obtained to date.	8/6/2002	8/27/2002			see 3037		A-9/26/02	Superceded by 3037
STRUC-1	3019	00033	**Specifications:** 01410, Testing Laboratory Services Rev 0 05120, Structural Steel, Rev. 0 13121 Pre-Engineered Buildings, Rev 0	5/24/2002	6/14/2002					A-6/14//02	
STRUC-1	3020	00034	**STG Platform Piles:** Drawings and Calculations 02484-001-06-028 STG Foundation Rev. 0 S120 STG Pile Plan, Rev. 0					see00066 10/7/02	JL	6/24/2002	**Approved but it was resubmitted as 3028**
STRUC-1	3020	00035	**STG Platform** Calcs	Void	Void				JL	Void	
STRUC-1	3020	00066	**STG Platform** Calcs 0284-001-06-029 Rev 0 S701, S705, S706, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810, S830 Rev. 0	8/30/2002	9/23/2002				JL	10/8/02will resubmitt	10/4 to City of Industry
STRUC-1	3020	00087	**STG Platform:** Drawings Drwgs: S700 Rev. 0 dated 10/21/02, S701, S705, S706 Rev. 1, S707, S708 Rev. 0, S750, S751, S752, S765, S766, S775, S776, S800, S805, S810 Rev 1 , S811, S812, S813 Rev 0, S830, Rev.1, S831, S832, S835,	10/28/2002	11/18/2002				hold		Please note that a hold has been placed on portions of drawings S701, S705, S776, S810, & S812. Sent to JL on 11/6/02
STRUC-1	3021	00036	**Siemens Westinghouse** Documents - Design and Load Calculations for Gland Seal Steam Skid W501F Turbine Enclosure Structure-CT Pipe Rack Structure-Design and Load Calculations for Leakoff Steam DS Skid-Condenser Foundation Arrangement oand Foot Loads-Design	6/27/2002	7/10/2002				JL	N-7/10/02	

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STRUC-1	3021	00049	**Siemens Westinghouse** Documents 000-000-125-742 Calcs and Fogger Skid Anchorage 000-000-125-740 Found. Loads and Anchoring/Steam Turbine Seismic Loads 000-000-125-714 Struc Calcs & Drwgs	7/9/2002					H. Kosten		Sent to JL (Industry 10/4)
STRUC-1	3021	00093	Design Calculations for Vacuum Pump Skid for Main Steam Condenser - SC-26787-CBO	11/1/2002	NA						
STRUC-1	3021	00106	**Siemens Westinghouse** Calculation Revisions 1.) CTG Pipe rack structure SWPC-CM-007 2.) Design & load calculations for ST lube oil module 43237-LOAD 3.) Design &load Calc for leakproof Steam Skid 43277-LOAD 4.)W501F Turbine Enclosure Structure DA 182 5.)Condenser	11/21/2002							
STRUC-1	3021	00108	**Siemens Westinghouse** Doc. Condition of Certification 1.) Steam Turbine Cross-over Pipe Calculations SWPC# 000-000-140-477	11/25/2002							
STRUC-1	3022	00037	**Roadway** Drawings C040 Road Geometry Plan Rev. 0 C043 Typical Road Cross Section Rev. 0 C045 PG&E All-Terrain Vehicle Access Partial Plan Rev.0	6/13/2002	6/27/2002		7/10/2002			N-7/1/02	
STRUC-1	3022	00056	**Roadway** Drawings - Burns & Roe Response to Willdan Comments of 7/1/02	8/2/2002	8/22/2002					C-10/9/02	Tech Specs Section (Earthwork) should be refered to for all compaction requirements
STRUC-1	3022	00062	**Roadway** Drawings C040 Road Geometry Plan Rev. 2 C043 Typical Road Cross Sections Rev. 2 C045 PG&E All Terrain Vehicle Access, Rev 2	8/21/2002	9/12/2002					A-10/9/02	
STRUC-1	3022	00113	**Road Geometry** Drawings: C040R3 & C045R3	12/6/2002							
STRUC-1	3023	00038	**STG Platform Foundation:** Drawings S120 Steam Turbine Pile Plan Rev. 1 S125 Steam Turbine Foundation Plan Rev. 0 S135 Steam Turbine Pile Cap Details Rev. 0 S190 Steam Turbine Section & Details Rev. 0 S191 Steam Turbine Section & Details Rev. 0 S192	6/19/2002	7/11/2002		7/23/2002	see 00061	GJ	7/23/2002	
STRUC-1	3023	00061	Burns & Roe Response to comments from Willdan on Platform Foundation Design and Calcs 02484.001-06-028 Rev 2, S125 and S190 Rev. 1	8/15/2002	9/15/2002				GJ		
STRUC-1	3023	00065	Calcs 024-001-06-030 Rev 0 Excitation Housing Access Stairs & Platform Drwg S720 Exciter Access Platforms Plan Section & Details Rev. 0		9/20/2002			See 00038	GJ		
STRUC-1	3023	00088	**STG Platform Foundation:** Dwgs: S120, S125 & S190 Rev2 Dated 10/28/02, dwgsS135, S191 & S192 Rev1 dated 10/28	10/28/2002	11/18/2002				EM/GJ 11/06/02		calcs only to GJ on 11/6/02 - Pile Plans approved
STRUC-1	3023	00096	**STG Platform Foundation** Plan, Rev. 1 dated 11/01/02	11/5/2002	11/26/2002				EM/GJ 11/06/02		

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates							Comments
				Issued	Response Due	Response Forecast	Response Received	Resubmit	Plan Checker	Status	
STRUC-1	3024	00039	**Hillier/Gieger Docs** - Visual Screen Foundation Design Loads - Calculations and Drwg SS-1A, Foundation Load Plan	6/20/2002	7/12/2002		7/23/2002	See 00068		N-7/23/02	
STRUC-1	3024	00058	**Hillier**-Anchoring Detail Calculations and Dwgs SS1 to SS9	8/2/2002	8/23/2002						Need comments back, more detail
STRUC-1	3024	00068	Burns & Roe Response to Geiger Engineers and Willdan Hillier Foundation Load Plan drwg SS1-A	9/6/2002				resp to 00039 & 00068			
STRUC-1	3025	00041	Specifications 02740.3200 (Aggregate Base Coase Asphalt, pving, concrete reinforcement)	6/24/2002	7/16/2002					A-7/23/02	Will resubmit 2 copies
STRUC-1	3026	00042	**Pile Submitals**-MORT.01-00-0002 Pile Driving Hammer MORT.01-00-0003-Pile Driving Crane Data Sheet MORT.01-00-0004-Pile Driving Analyzer Data Sheet MORT.01-00-0005-Ground Vibration Equipment Data MORT.01-00-0006-Noise Monitoring Plan MORT.01-00-0009-Pile L	6/26/2002	NA				J.Lee 10/4/02		Sent to JL (Industry 10/4)
STRUC-1	3027	00043	**Cooling Tower** calcs Rev. 0	6/27/2002	7/22/2002		7/23/2002			N-7/23/02	Rejected
STRUC-1	3027	00060	**Cooling Tower Foundation:** Burns & Roe response to 00043 Calculations 02484-001-06-010 Rev 1 and drawings S350, S351, S352, S355, S356, S357 AND S363 Rev 1	8/12/2002	9/4/2002	10/10/2002		see CBO 00076		10/10/2002 superceded	
STRUC-1	3027	00076	**Cooling Tower:** Dwgs & Calc. Cooling tower Basin redesign for pile capacity Calcs 02484-001-06-010 Rev 2, S350.-S351, S352, S355, S356, & S363 Rev 2 dated 9/24/02	10/9/2002						C-10/15/02	Conditionally approved by Don Wimberly Approved Disposition dated 10/22/02
STRUC-1	3027	00094	**Cooling Tower** Piles in Pump Pit Area and Inlet Header Foundations Water Pump Pit Found calcs 02484-001-06-011 Rev. 0 Circ Wate Pump Pit Found Calcs 02484-001-06-011 Rev. 0 Cooling Tower Pile drwgs # S350, S351, S352 Rev. 3 dated 11/01/02	11/4/2002	11/18/2002				EM 11/6/02 GJ 11/8/02		Piles were approved but not Pump pit structure getting redesigned
STRUC-1	3027	000101	**Cooling Tower** Structure & Foundations S360, S361, S364, S365, S366, S367, S368 Rev 0 dated 11/01/02 Calcs 02484-001-06-011	11/7/2002	11/29/2002				EM 11/6/02 GJ 11/8/03		Piles were approved but not Pump pit structure getting redesigned
STRUC-1	3027	000115	**Cooling Tower Foundation:** Drawings, dwgs: S355 R3, S356 R3, S357 R3, S362 R0, S363 R3, S368 R1	12/11/2002	01/02/00	To Checker 12/13/02	Fro Check 12/18/02	To Engineer 12/20/02	GJ	Not Approved	Comments need response from engineer
STRUC-1	3028	00045	**STG Pedestal:** Drawings/Calcs calc# 02484-001-06-005R0 Drawing: S245R0, S246R0, S247R0, S250R0, S255R0, S260R0, S265R0, S266R0, S267R0, S268R0, S269R0, S270R0, S271R0, S272R0, S273R0, S275R0, S276R0	6/27/2002	7/22/2002		7/23/2002	Supercedes 3020- 0003		N-7/23/02	
STRUC-1	3028	00081	**STG Pedestal** Foundations Piling: Draw/Calcs	10/3/2002	10/10/2002					A-10/28/02	
STRUC-1	3028	00098	**STG Pedestal** Access Platform: Calcs No. 02484-001-06-033 STG Pedestal Access Platform S715, Rev 0 dated 11/01/02	11/7/2002	11/27/2002						Gang 11/25

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

Cond.	Pack. No.	CBO No.	Package Title	Review /Approval Dates							Comments
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STRUC-1	3029	00047	**CTG:** S206ctg Units 1& 2 Rev 1	7/22/2002	7/25/2002					C-9/30/02 Verbal	Disposition dated 10/9/02
STRUC-1	3030	00052	Drawing S108, Rev 4	7/23/2002	8/12/2002					A-9/30/02	
STRUC-1	3031	00053	Precast Concrete Electrical Manholes, Rev 0 Spec. 02885 02315 Earthwork Rev 0	7/26/2002	8/16/2002					C-10/9/02	
STRUC-1	3031	00079	Earthwork Spec 02315 Rev 1 dated 9/25 Chain Link Fences and Gates Spec 02821 Rev.0 dated 9/26	9/30/2002	10/17/2002				EM		Being reviewed by Eric Moran
STRUC-1	3032	00055	**STG Pedestal:** Revised Plan for STG Pedestal-Burns and Roe Response to Willdan of 7/24/02	8/1/2002	8/22/2002			Supercedes 3028 & 3020		A-10/28/02	
STRUC-1	3034	00063	**BOP Electrical / Control Building:** Draw/Calcs calc# 0284-001-06-032 drawings: A100R0, A105R0, A131R0, A133R0, A140R0, A141R0, A150R0, A158R0	8/22/2002							
STRUC-1	3035	00085	Siemens STG Enclosure	10/15/2002	11/4/2002						
STRUC-1	3036	00070	**CTG Inlet Air Filter & Silence foundation:** Calcs 02484-001-06-027 Rev 0 Drawing S220 Rev 0	9/17/2002	10/1/2002						
STRUC-1	3036	00075	**CTG:** Drawings & calculations sound Barrier CTG Inlet Calcs 02484-001-06-031 Rev. 0 dated 9/19 Drwg S768 Units 1&2 Rev0 and S769 Units 1&2 Rev 0	9/25/2002	10/18/2002						
STRUC-1	3037	00072	**Pile Load Testing:** Lowney's conclusions and Recommendations and the following documents: Pile driving records (for all 27 piles)-PDA results (for all 27 piles)-CAPWAP results (for 24 blows on 14 separate piles)-Pile load test results-Specs 02472 Rev. 1,	9/19/2002	NA			Supercedes 3018		A-10/22/02	replaces all of 3018 per transmittal records this submittal is part of 3017 CBO 00073
STRUC-1	3038	00077	**Electrical Conceptual Power Distribution Centers (PDC's) :** Drwgs E900 R1 Layout, E902 R1 CTG Unit 1, E903R1 CTG Unit 2, E904R1 HRSG Unit 1, E905R1 HRSG Unit 2, E906R1 Cooling Tower Unit 1, E907R9 Water Treatment Area, E914 N	9/25/2002	10/9/2002				E. Segura		
STRUC-1	3039	00078	**Boiler Feedwater Pump Foundation:** Calc 02484-001-06-016 Drawing S320 Rev.0, Section and Details S321 Rev. 0	9/27/2002					E. Moran	A-10/31/02	
STRUC-1	3040	00082	Drawing S110, Rev 1 & Design Criteria Rev. 1	10/3/2002	10/24/2002						
STRUC-1	3041	00090	**Support Frame:** Dwg S730, Rev. 0	10/30/2002	11/21/2002				J.Lee		Use calcs 02484-001-06-029, with transmittal CBO #00088 dated 10/28/02 Jlee 11/06
STRUC-1	3042	00092	**Pipe Rack Structure:** Calcs 02484-001-06-022, Pipe Rack Steel Design, Rev. 0 Drwgs S900, S901, S902, S903, S904, S905, S906, S930, S931, S932, S940, S941, S942, S943, S944, S945, S950, S951, S952, S953, S954, S955, S956, S958, S959, S965 Rev 0 dated 10/	10/31/2002	11/22/2002	To Checker 12/03/02	Fro Check 12/09/02	To Engineer 12/20/02	GJ	Not Approved	Major Scope: Significant number of comments need to be resolved

METCALF DOCUMENT SUBMITTAL RECORD
CALPINE/B&R AND CBO

WILLDAN CBO PROJECT NO. 13254

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STRUC-1	3042	00111	**Pipe Rack Foundation and Piles:** Drawings & Calculations Pipe Rack Foundations, Calc# 02484-001-06-023 R0, Draw#: S530R0, S540R0, S550R0, S551R0, S552R0, S553R0	11/29/2002	12/19/2002	To Checker 12/04/02	Fro Check 12/20/20	To Engineer 12/20/02	GJ-EM	Not Approved	Eng. needs to get pile commment resolved. Remaining comments can be resolved later
STRUC-1	3044	00097	**STG Main Step-up Transformer :** Calcs 02484-001-06-008 Unite #3 dated 11/01/02- Drwgs S567, S570, S577, S578 dated 11/01/02	11/07/02	11/27/2002				GJ		
STRUC-1	3044	00110	**STG Main Step-up Transformer:** Drawings / Calcs Calc# 02484-001-06-008 R1, Draw#: S577R1, S578 R1	11/27/02	12/19/2002	To Checker 12/05/02	Fro Check 12/11/20	To Engineer 12/20/02	GJ-EM	Not Approved	Comments need response from engineer
STRUC-1	3045	000100	**Specs** 02472, Concrete filled Pipe Piles, Rev. 2 dated 11/8/02	11/08/02	11/29/2002						
STRUC-1	3046	000102	**HRSG:** Drawing & Calculations for HRSG Unit 1- Calcs 02481-001-06-006 Mat Foundation for HRSG & Stack for Unit 1 Rev. 1 dated 11/07/02 - S300 HRSG Pile Location Plan, Unit 1 Rev1 Dated 11/07/02	11/07/02	11/29/2002	To Checker 11/19/02	Fro Check 11/25/20		GJ-EM		Incomplete
STRUC-1	3046	000112	**HRSG** Foundation Drawings - S305, S307, S310, S313	12/03/02	12/24/2002	To Checker 12/05/02	Fro Check 12/20/20	To Engineer 12/20/02	GJ-EM	Not Approved	Comments need response from engineer
STRUC-1	3047	00109	**CTG Main Step-up:** Drawings & Calculations for Unit #1 & #2 CTG Main Step-up and Auxiliary Transformer Foundation Calc.# 02484-001-06-036 Draw#: S571R0, S572R0, S574R0, S575R0, S576R0, S579R0								
STRUC-1	3048	00114	**Condensate Pump Foundation:** Drawing and Calculation, calc# 02484-001-06-038 draw: S290R0	12/6/2002							
STRUC-1	3049	00116	**CTG Foundation Units 1&2** Drawing S206 R2	12/17/2002					GJ 12/18/02		
STRUC-1	3052	none	**Bechtel** 3 Drawings - Admin Building: Drwg A1-8110, Drwg A2-8190, Drwg A5-8110	11/6/2001							

Status Code

A - Approved
- Accepted as for information only
N - Not approved, returned with comments.
C - Approval Conditioned upon submittal of addt. Info.or replacement
P - Approved upon sign-off by Engineer, Inspector or Geotech, or other Third Party indicated by CBO.
D - Discussion pending between CBO, Engineer, Geotech, Inspector or other party
H - On hold by Mortenson/Calpine
R - Reversal of approval pending resolutions from outside agencies.