CALPINE

50 WEST SAN FERNANDO STREET
SAN JOSE, CALIFORNIA 95113
408.995.5115
408.995.0505 (FAX)

February 14, 2002

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 #4

Dear Mr. Munro:

In accordance with the CEC Commission Decision, enclosed please find a Monthly Compliance Report (Report), Key Events List and Compliance Matrix for the Metcalf Energy Center. This report is for the period beginning January 1 through January 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 (925) 200-1193.

Sincerely,

Kristen Sipes

Kristen Sipes
Environmental Compliance Manager
METCALF ENERGY CENTER

Enclosures

cc: Ken Abreu, Calpine
Steve DeYoung, Calpine
Nick LaPorte, Calpine

Metcalf Energy Center
99-AFC-2

Monthly Compliance Report #4
January 1 – January 30, 2002

1. **Project construction status**

Due to heavy rains, work did not start until January 14th when Top Grade, the earthwork subcontractor, began installation of the silt fence around the property limits. This was followed by mass clearing and stripping of topsoil, which was placed in the topsoil stockpile area beginning January 16th. Survey and layout continued for the access road and all boundaries of the project. The construction washdown area was constructed.

The main access road was brought to common fill grade. Common fill was brought from offsite and stockpiled in the common fill stockpile area throughout the remainder of the month.

Tree removal and temporary stockpile of wood mulch was completed.

South laydown area was cleared and stripped of vegetation and the topsoil was stockpiled. The south laydown area haul roads were surveyed.

Excavation for the unloading heavy haul area was started as well as preparation for the on-site railroad spur.

Common fill placement at the switchyard and cooling tower areas has started.

<u>Activities planned for next month</u>:

South laydown: The fabric and aggregate base will be placed on haul roads. The site construction fence will be completed. This area will be ready by the end of the month to accept deliveries of equipment.

Plant area: Build-up of common fill to final phase I elevations will be completed. Structural fill areas will be excavated and structural fill will be placed. The retaining wall work will be started. Construction site fence will be installed in all areas except at the retaining wall.

Railroad spur: Subgrade will be completed and sub-ballast compacted, ready for base and railroad ties, which will start the last week of February.

Heavy haul unloading/heavy haul access road: Subgrade will be brought to proper grade elevation and aggregate base installed at the heavy haul road.

Main access road: Aggregate base will be installed and completed. Asphalt will be installed on Blanchard Road and portion of main access road shown on Phase I drawings.

2. **Documents required to be submitted with Monthly Compliance Report**

AQ-48	Summary of monthly activities related to the Fugitive Dust Control Plan is attached.
AQ-52	Receipts of Ultra Low Sulfur Fuel are attached.
BIO-2	Summary of Designated Biologist's written records is attached.
BIO-6	Nine (9) WEAT trainings were conducted to 83 people.
CUL-5	Nine (9) WEAT trainings were conducted to 83 people.
CUL-7	Weekly construction schedules are attached.
CUL-8	A summary report is attached.
PAL-3	Nine (9) WEAT trainings were conducted to 83 people.
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.
GEN-3	Copy of CBO's receipt of payment is attached.
GEN-6	Copies of Special Inspector approvals are attached.
TRANS-1	41 oversize/overweight permits were obtained.
NOISE-1	Statement attesting that public notification has occurred and telephone number has been posted is attached.

3. **Compliance matrix**
A Compliance Matrix is attached. The matrix includes all Conditions of Certification.

4. **Conditions that have been satisfied during the reporting period**

NOISE-1	Statement attesting that public notification has occurred and telephone number has been posted.
CUL-1	Notification of availability of Cultural Resource Specialist was approved.
CUL-7	Schedule and map indicating area(s) where construction activities will occur was approved.
SOIL&WATER-1	Commitment for construction water supply approved.
SOIL&WATER-4	Santa Clara Valley Water District permits approved.
GEO-2	Signed statement attesting to CBO submittal of Engineering Geology Report was submitted.
GEN-4	CBO approval of Resident Engineer submitted.
GEN-5	CBO approval of responsible engineers submitted.
GEN-6	CBO approval of special inspectors attached.

5. **Submittal deadlines not met**
   There are no outstanding pre-construction 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.

7. **Filings or permits with other agencies**
   None

8. **Projection of project compliance activities for next two months (Feb.-Mar)**

AQ-40	Demonstrate valid emission reduction credits
AQ-41 and 51	Surrender emission reduction credits
AQ-48	Will follow dust mitigation measures
AQ-49 and 50	Dust will be monitored and activities recorded
CUL-4	Training video will be submitted for approval
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 Training video will be submitted for approval
BIO-7	Submittal of permit application to Department of Fish and Game to install stormwater outfall
BIO-9	Submittal of permit application to U.S. Army Corps of Engineers to install stormwater outfall

SOIL/WATER-7	Submittal of permit application to Regional Water Quality Control Board to install stormwater outfall
PAL-3	Training will be provided as needed Training video will be submitted for approval
PAL-4	Paleo specialist will perform required duties when necessary
VIS-5	Will install aesthetic screen and notify CPM when it is ready for inspection
LAND-6	Will submit photographic evidence that protective measures have been applied to laydown areas.

9. **Additions to on-site compliance file**
   None

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

11. **Listing of complaints, notices of violations, official warnings, and citations**
    Attached.

12. **List of facility design submittals, comments and approvals to CBO**
    Attached.

KEY EVENTS LIST

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

KEY EVENTS LIST

PROJECT: Metcalf Energy Center **DATE ENTERED:** September 24, 2001

DOCKET #: 99-AFC-3 **PROJECT MANAGER:** Nick LaPorte

Event Description	Date Assigned
Date of Certification	September 24, 2001
Start Rough Grading	May 3, 2002
Complete Rough Grading	August 1, 2002
Start of Construction	November 4, 2002
Completion of Construction	January 5, 2004
Start of Operation (1st Turbine Roll)	May 3, 2004
Start of Rainy Season	Mid-October
End of Rainy Season	Mid-March
Start T/L Construction	January 13, 2003
Complete T/L Construction	November 14, 2003
Start Fuel Supply Line Construction	September 3, 2002
Complete Fuel Supply Line Construction	September 5, 2003
Start of Water Supply Line Construction	April 1, 2002
Completion of Water Supply Line Construction	November 1, 2002
Start Implementation of Erosion Control Measures	May 3, 2002
Complete Implementation of Erosion Control Measures	June 1, 2004

CONDITION OF CERTIFICATION AQ-48

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

METCALF ENERGY CENTER CONSTRUCTION

DAILY LOG OF FUGITIVE DUST CONTROL MONITORING AND MITIGATION MEASURES

Date / Time of Observation	Location / Source of Dust	Date / Time of Control Measures	Brief Description of the Control Measures Implemented	Review by:
11:00 AM 1-18-02	R.R X CROSSING	1-18-02 11:35 AM	WATER TK.	
1-21-02 1:00 pm	R R X CROSSING	ALL DAY	WATER TK.	
1-22-02	RAINED OUT			
1.23.02 12:45 pm	On site access rd	1.23.02 12:50 pm	Water TK	
1-24-02 2:00 pm	On site RRX	spots all day	Water TK	
1-25-02 ALL DAY	R.R.X STRIP AREA	ALL DAY W.TK.	Water TK	
1-28-02	RAINED OUT			
1.29.02	JOB VERY		WET!	
1.30.02	little activity no dust			
~~[illegible]~~ 1/31/02 700 AM 330	RR CROSSING WEST & EAST SIDE	ALL DAY 1/31/02 WTK	WATER truck	
2/1/02 700-330	RR CROSSING WEST & EAST TRACKS	ALL 2/1/02 DAY	WATER TRUCK	
2/2/02 700 to 330	RR CROSSING Dust Control Compaction	ALL 2/2/02 DAY	WATER truck	
2/3/02 800 to 330	RR CROSSING COMPACTION	2/3/02 ALL DAY	WATER truck	
2/4/02 700 to 330	Dust Control COMPACTION	2/4/02 ALL DAY	WATER TRUCK	
2/5/02 700 to 330	WEST SIDE of TRACKS	2/5/02 ALL DAY	WATER truck	
2/6/02 500 700 to ~~330~~	Dust Control WEST SIDE	ALL DAY	WATER TRUCK	
2/7/02 700 to	Dust Control WEST SIDE	ALL DAY	WATER TRUCK	

METCALF ENERGY CENTER CONSTRUCTION

PUBLIC ROAD CLEANING LOG

Date	Time	Area(s) Cleaned/Method Used	Operator Name
1-19-02	12:00	SWEEPER	UNIVERSAL
1-21-02	9:00 AM	SWEEPER	UNIVERSAL
1-22-02	RAINED OUT		
1-23-02	12:30 PM	"sweeper"	Universal
1-24-02	8:00 AM 4:00 PM	sweeper	Universal
1-25-02	All Day	SWEEPER	Universal
1-28-02	RAINED OUT		
1-29-02	12:30 PM	sweeper	Universal
1-30-02	OK	R R made a	mess
1-31-02	1:00 PM	Monterey Hwy sweeper	Universal
2-1-02	Through out the day	Monterey Hwy Sweeper	Universal
2-2-02	Continuous	Sweeper at Motorship & Blanchard/Monterey	Universal Sweepers
2-3-02	Continuous	Sweeper at the Motorship & Blanchard/Monterey intersection	Universal Sweepers

Note:
Specify offsite areas cleaned (e.g., construction entrance, areas north and/or south of entrance) and method used (e.g. water flushing, mechanical sweeping, or equivalent).

METCALF ENERGY CENTER CONSTRUCTION

DAILY LOG OF WATERING TRUCK ACTIVITIES FOR DUST CONTROL

Date	Time	Area(s) Applied	Gallons Used	Operator Name
1/15/02	2:53 PM	R&R Crossing	100 GALS	Bill SALEEN # 515
1/16/02	8:11 AM	R&R Crossing	35 GALS	Bill SALEEN
1/16/02	10:41 AM	R&R Crossing	35 GAL	Bill SALEEN
1/16/02	11:35 AM	R&R Crossing	35 GAL	Bill SALEEN
1/16/02	1:20 PM	R&R Crossing	35 GAL	Bill SALEEN
1/16/02	2:24 PM	R&R Crossing	40 GAL	Bill SALEEN
1/17/02	7:00 AM	EAST SIDE of R&R TRACKS	500 GAL	Bill SALEEN
1/17/02	7:10 AM	R&R Crossing	50 GAL	Bill SALEEN
1/17/02	8:56 AM	EAST SIDE of R&R TRACKS	50 GAL	Bill SALEEN
1/17/02	10:00 AM	EAST SIDE of TRACKS	200 GAL	Bill SALEEN
1/17/02	11:49 AM	EAST SIDE of TRACKS	250 GAL	Bill SALEEN
1/17/02	1:58 PM	R&R CROSSING	100 GAL	Bill SALEEN
1/17/02	2:25 PM	R&R Crossing	50 GAL	Bill SALEEN
1/18/02	7:00 AM	EAST SIDE of TRACKS	250 GAL	Bill SALEEN
1/18/02	700 AM TO 1200 PM	EAST of TRACK	3,000	CARLOS HENRIQUEZ
1/18/02	12:00 PM TO 3:30	EAST OF TRACK	1500 GALLONS	CARLOS HENRIQUEZ
1/18/02	1:30	EAST SIDE of TRACKS	100 GALS	Bill SALEEN

METCALF ENERGY CENTER CONSTRUCTION

DAILY LOG OF WATERING TRUCK ACTIVITIES FOR DUST CONTROL

Date	Time	Area(s) Applied	Gallons Used	Operator Name
1/21/02	700AM to 330PM	TRUCKS WASH DOWN AREA	500 GAL	Bill SALEEN
1/21/02	330 PM	WATER TRUCK BUFFALO WASH	500 GAL	Bill SALEEN
1/23/02	7:00 AM	BLACKHARD ROAD RR CROSSING	100 GAL	Bill SALEEN
1/23/02	8:00 AM	EAST SIDE of TRACKS	300 GAL	Bill SALEEN
1/23/02	9:30 AM	RR CROSSING BLACKHARD Rd	150 GAL	Bill SALEEN
1/23/02	10:35 AM	EAST SIDE of TRACKS	300 GAL	Bill SALEEN
1/23/02	11:30 AM	EAST SIDE of TRACKS	200 GAL	Bill SALEEN
1/23/02	11:45 AM	RR CROSSING TRACKS	100 GAL	Bill SALEEN
1/23/02	1:00 PM	WEST SIDE of TRACKS	200 GAL	Bill SALEEN
1/23/02	2:00 PM	WEST SIDE EAST SIDE	400 GAL	Bill SALEEN
1/24/02	700 AM	EAST-WEST SIDE-TRACKS	500 GAL	Bill SALEEN
1/24/02	900 AM	EAST SIDE of TRACKS	200 GAL	Bill SALEEN
1/24/02	10:00 AM	EAST SIDE of TRACKS	200 GAL	Bill SALEEN
1/24/02	10:45 AM	EAST & WEST SIDE of TRACKS	500 GAL	Bill SALEEN
1/24/02	11:15 AM	EAST & WEST SIDE of TRACKS	500 GAL	Bill SALEEN
1/24/02	1152 AM	WEST SIDE of TRACKS	500 GAL	Bill SALEEN
1/24/02	1:30 PM	WEST & EAST SIDE TRACKS	500 GAL	Bill SALEEN
1/24/02	353 PM	EAST SIDE of TRACKS	1000 GAL	Bill SALEEN

Ee

METCALF ENERGY CENTER CONSTRUCTION

DAILY LOG OF WATERING TRUCK ACTIVITIES FOR DUST CONTROL

Date	Time	Area(s) Applied	Gallons Used	Operator Name
1/25/02	700AM	R&R Crossing Blachard Road	Dust Control 100 gal	Bill Saleen
1/25/02	8:00 AM	East side of tracks	Dust Control 250 gal	Bill Saleen
1/25/02	9:00 AM	East side of tracks	Dust Control 200 gal	Bill Saleen
1/25/02	10:00AM	East & West of track	Dust Control 250 gal	Bill Saleen
1/25/02	10:55AM	East & West side of tracks	250 gal	Bill Saleen
1/25/02	11:55AM	East & West side of track	Dust Control 400 gal	Bill Saleen
1/25/02	1:12 PM	East & West of tracks	Compaction 1,000 gal	Bill Saleen
1/25/02	1:45 PM	East & West side of tracks	Dust Control 400 gal	Bill Saleen
1/25/02	2:30PM	Both side of tracks	Dust Control 400 gal	Bill Saleen
1/25/02	3:10PM	Both sides of tracks	Dust Control 400 gal	Bill Saleen
1/31/02	7:30AM to 10:00AM	West side of tracks	Compaction 1,800 gal	Bill Saleen
1/31/02	~~West~~ 12:30PM	West side of tracks	Dust Control 250 gal	Bill Saleen
1/31/02	1:00 PM	West side & R&R Crossing	Dust Control 200 gal	Bill Saleen
1/31/02	200 PM	West side of tracks	Compaction 300 gal	Bill Saleen
1/31/02	300 PM	West side of tracks	Dust Control 300 gal	Bill Saleen
2/1/02	700 AM	West side of tracks	Dust Control 250 gal	Bill Saleen
2/1/02	800 AM	West side of tracks	Grinder 100 gal	Bill Saleen
2/1/02	855 AM	West side of tracks	250 gal	Bill Saleen

METCALF ENERGY CENTER CONSTRUCTION

DAILY LOG OF WATERING TRUCK ACTIVITIES FOR DUST CONTROL

Date	Time	Area(s) Applied	Gallons Used	Operator Name
2/1/02	9:50 AM	GRUNDER of EAST SIDE TRACKS	400 GAL	Bill SALEEN
2/1/02	11:45 AM	GRUNDING EAST + WEST	Dust Control 1,000 GAL	Bill SALEEN
2/1/02	1230 PM	R&R CROSSING WEST SIDE	Dust Control 250 GAL	Bill SALEEN
2/1/02	200 PM	R+R CROSSING EAST + WEST SIDE	Dust Control 500 GAL	Bill SALEEN
2/1/02	300 PM	R+R CROSSING WEST + EAST TRACK	Dust Control 500 GAL	Bill SALEEN
2/2/02	700 AM	R&R CROSSING EAST of tracks	compaction 100 GAL	Bill SALEEN
2/2/02	800 AM	R&R CROSSING EAST SIDE	compaction 500 GAL	Bill SALEEN
2/2/02	9:15 AM	BLANCHARD Rd intersection	compaction 500 GAL	Bill SALEEN
2/2/02	11:00 AM	BLANCHARD Rd EAST SIDE	compaction 500 GAL	Bill SALEEN
2/2/02	1248	BLANCHARD Rd EAST SIDE	compaction 600 GAL	Bill SALEEN
2/2/02	155 PM	BLANCHARD Rd EAST SIDE	compaction 1500 GAL	Bill SALEEN
2/2/02	238 PM	BLANCHARD Rd EAST SIDE	compaction 1500 GAL	Bill SALEEN
2/2/02	3:30 PM	BLANCHARD Rd EAST SIDE	compaction 2000 GAL	Bill SALEEN
2/3/02	800 AM	BLANCHARD Rd EAST SIDE	compaction 250 GAL	Bill SALEEN
2/3/02	10:00 AM	BLANCHARD Rd EAST SIDE	compaction 500 GAL	Bill SALEEN
2/4/02	700 AM	WEST SIDE of tracks	Dust control 500 GAL	Bill SALEEN
2/4/02	931 AM	WEST SIDE Dust Control	Dust Control 400 GAL	Bill SALEEN
2/4/02	1052 AM	Dust Control WEST SIDE	100 GAL	Bill SALEEN

METCALF ENERGY CENTER CONSTRUCTION

DAILY LOG OF WATERING TRUCK ACTIVITIES FOR DUST CONTROL

Date	Time	Area(s) Applied	Gallons Used	Operator Name
2/4/02	11:25 AM	WEST SIDE of TRACKS	Dust Control 100 GAL	Bill SALEEN
2/4/02	1200 PM	WEST SIDE of TRACKS	Dust Control 250 GAL	Bill SALEEN
2/4/02	1:20 PM	WEST SIDE Dust Control	1,000 GAL	Bill SALEEN
2/4/02	2:30 PM	Dust Control WEST SIDE	1,000 GAL	Bill SALEEN
2/5/02	700 AM	WEST SIDE Dust Control	Dust Control 250 GAL	Bill SALEEN
2/5/02	800 AM	WEST SIDE TRACKS	Dust Control 200 GAL	Bill SALEEN
2/5/02	8:45 AM	WEST TRACK compaction	Recycled Rock 300 GAL	Bill SALEEN
2/5/02	10:30 AM	WEST of RR Crossing	Compaction 1,000	Bill SALEEN
2/5/02	11:45 AM	WEST SIDE of RR Crossing	1,000	Bill SALEEN
2/5/02	1:20 PM	WEST SIDE of RR Crossing	Dust Control 500 GAL	Bill SALEEN
2/5/02	1:58 PM	WEST SIDE Dust Control	500 GAL	Bill SALEEN
2/5/02	12:45 PM	WEST SIDE Dust Control	Dust Control 1,000	Bill SALEEN
2/6/02	800 AM	sprayed WEST SIDE	Dust Control 500 GAL	Bill SALEEN
2/6/02	900 AM	sprayed WEST SIDE	Dust Control 250 GAL	Bill SALEEN
2/6/02	1000 AM	WEST SIDE Dust Control	250 GAL	Bill SALEEN
2/6/02	11:45	WEST SIDE Dust Control	800 GAL	Bill SALEEN
2/6/02	1245	WEST SIDE Dust Control	1000 GAL	Bill SALEEN
2/6/02	100 to 400	WEST SIDE Dust Control	2,500 GAL	Bill SALEEN

CONDITION OF CERTIFICATION AQ-52

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

CONSTRUCTION

January 11, 2002

Mr. Kirk Bailey
MORTENSON
P.O. Box 13097
Coyote, Ca 95013

RE: **METCALF ENERGY CENTER**
TGC JOB NO. 21-070

Dear Kirk:

I am enclosing the fuel source information as requested.

For Diesel Fuel our source is:
COAST OIL
4250 Williams Road
San Jose, CA 95129
(408) 968-2813

For Low Sulfur / Lead Fuel our source is:
Olympian Oil
260 Michelle Court
South San Francisco, Ca 94080
(650) 873-8208

If you have any questions or need further information, please call.

Sincerely,
TOP GRADE CONSTRUCTION, INC.

Francis Johnson
Estimator / Project Manager

FJ/kh

50 Contractors St.
Livermore, CA 94550
PH: 925.449.5764
Fax: 925.449.5875

LETTER OF TRANSMITTAL

Date: **January 30, 2002**	Job No. **21-070**
Re:	
Metcalf Energy Center	

TO: **M.A. Mortenson**

FAX 408.463.0656

Attn: **Ron Chilson**

WE ARE SENDING YOU: [X] Attached *VIA:* → [X] **Hand Delivered Site Office** [ ] **Faxed**

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications

[ ] Copy of letter [ ] Change Order [X] Reciept Submittals

COPIES	DATE	NO.	DESCRIPTION
2receipts	**30-Jan**	**19**	**Low Sulfur Fuel Receipts (2) 1-23-02 & 1-28-02**

THESE ARE TRANSMITTED as checked below:

[ ] For approval [ ] Approved as submitted [ ] Resubmit _____ copies for approval

[ ] For your use [ ] Approved as noted [ ] Submit _____ copies for distribution

[X] As requested [ ] Returned for corrections [ ] Return _____ corrected copies

[ ] For review and comment [ ] _____

REMARKS

We will continue to submit these receipts as received.

COPY TO: F.J
D.L.
File
J.D.

SIGNED: *Michael Miller*

Transmittals

If enclosures are not as noted, kindly notify us at once.

1/30/20029:31 AM

Coast Oil Company "since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 94-1543151
RESALE NO. SR GH 98043375
GAS RESALE NO. SG GH 77001129

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

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

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

DATE [illegible]
NUMBER [illegible]

SOLD TO: [illegible] GRADE CONSTRUCTION, INC.
[illegible] CONTRACTORS STREET
LIVERMORE, CA 94550
(408) 287-2207

SHIP TO: [illegible] GRADE CONSTRUCTION, INC.
[illegible] CONTRACTORS STREET
LIVERMORE, CA 94550
[illegible]

ORDERED BY	PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE
	602-999-05	DEDEAUX	NET 30	02-[illegible]-02

ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	HTR NUMBER	TIME IN	TIME OUT	MILES
0	01-23-02	233	15	ARCO-EC-1	507828		0

NO OF PACKAGES	BULK OR PKG. SIZE	PRODUCT DESCRIPTION	ORDERED	DELIVERED	TAXES FED	TAXES STATE	TAXES SALES	PRICE	AMOUNT
	GALS	ULTRA LOW SULPHUR DIESEL EC	1400		T	T	T		
		CLEAR DIESEL FEDERAL EXCISE	1400						
		CLEAR DIESEL STATE EXCISE	1400	1403					
		FEDERAL SUPERFUND	1400						
		OIL SPILL FEE	1400						
		DEL WEDS JOB SITE MONTEREY - Rd HWY JK							
		*** DELIVERY MESSAGE *** BY PG&E JJ							
		/*/*/*/*/*/*/*/*/*/*/*/*/*/*/							
		EFFECTIVE 1/1/02 NEW SG #							
		SUGH 78-020404							
		COAST OIL CO. LLC							
		/*/*/*/*/*/*/*/*/*/*/*/*/*/*/							

Did ENTER JOB SITE BY GOING South MONTEREX HWY
GOING IN BEHINDE K WALL

Del

PRODUCT	BEFORE STICK	AFTER STICK

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 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

PRINTED NAME X

PLEASE PAY FROM THIS INVOICE

Copy to CEC 7 Mustes

LETTER OF TRANSMITTAL

50 Contractors St.
Livermore, CA 94550
PH: 925.449.5764
Fax: 925.449.5875

Date: January 30, 2002	Job No. 21-070
Re:	
Metcalf Energy Center	

TO: M.A. Mortenson

FAX 408.463.0656

Attn: Ron Chilson

WE ARE SENDING YOU: [X] Attached *VIA:* → [X] Hand Delivered Site Office [ ] Faxed

[ ] Shop drawings [ ] Prints [ ] Plans [ ] Samples [ ] Specifications

[ ] Copy of letter [ ] Change Order [X] Reciept Submittals

COPIES	DATE	NO.	DESCRIPTION
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[ ] For review and comment [ ] _____

REMARKS

We will continue to submit these receipts as received.

COPY TO: F.J
D.L.
File
J.D.

SIGNED: Michael Miller

Transmittals *If enclosures are not as noted, kindly notify us at once.* 1/30/20029:31 AM

Coast Oil Company

"since 19[illegible]

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 94-1543151
RESALE NO. SR GH 98043375
GAS RESALE NO. SG GH 77001129

OFFICE (408) 252-7720
OFFICE FAX (408) 255-5283
ORDER DESK (408) 342-0222
PLANT (408) 251-0811

RECEIVED
JAN 25 2002
TOP GRADE CONSTRUCTION

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

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

DATE 01-22-02
NUMBER 190716

915
SOLD TO: TOP GRADE CONSTRUCTION, INC.

50 CONTRACTORS STREET
LIVERMORE, CA 94550

(408) 287-2207

915
SHIP TO: TOP GRADE CONSTRUCTION, INC.

50 CONTRACTORS STREET
LIVERMORE, CA 94550

(925) 449-5764

ORDERED BY	PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE
	602-999-05	DEDEAUX	NET 30	02-22-02

ROUTE NUMBER	DELIVERY DATE	TRUCK NUMBER	DRIVER	BTR NUMBER	TIME IN	TIME OUT	MILES
0	01-23-02		15				0

QUANTITY SHIPPED	PACK SIZE	DESCRIPTION	ORDERED	SHIPPED	TAXES			PRICE	AMOUNT
GALS		ULTRA LOW SULPHUR DIESEL EC	1403	1403	T	T	T	1.07600	1,509.63
		CLEAR DIESEL FEDERAL EXCISE		1403				0.24400	342.33
		CLEAR DIESEL STATE EXCISE T		1403				0.18000	252.54
		FEDERAL SUPERFUND		1403				0.00000	0.00
		OIL SPILL FEE		1403				0.00095	1.33
		*** DELIVERY MESSAGE ***							
		/*/*/*/*/*/*/*/*/*/*/*/*/*							
		EFFECTIVE 1/1/02 NEW SG #							
		SGGH 78-020404							
		COAST OIL CO. LLC							
		/*/*/*/*/*/*/*/*/*/*/*/*/*							

Coast Oil Company

PRODUCT	BEFORE STICK	AFTER STICK

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	152.90
TOTAL ➡	2,258.73
CHECK NO.	
CHECK AMOUNT	

PLEASE PAY FROM THIS INVOICE

AST DUE AFTER If account unpaid within time permitted, customer agrees to pay interest at % per annum. In case of suit for collection, t costs of collection, suit and reasonable attorney's fees will be charged. To secure payment of this invoice and all other amounts due Coast Oil Co., customer hereby grants to oast 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 cluding 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.

CEIVED IN GOOD ORDER

PRINTED NAME

X

Coast Oil Company

"since 1935"

4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344

FED I.D. NO. 94-1543151
RESALE NO. SR GH 96043375
GAS RESALE NO. SG GH 77001129

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

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

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

DATE 01-25-02

NUMBER 190998

SOLD TO: 915
TOP GRADE CONSTRUCTION, INC.
50 CONTRACTORS STREET
LIVERMORE, CA 94550
(408) 287-2207

SHIP TO: 915
TOP GRADE CONSTRUCTION, INC.
SJ JOBSITE
METCALF
(925) 449-5764

ORDERED BY	PURCHASE ORDER NUMBER	SALESMAN	TERMS	DUE DATE
SALESMAN	602-999-05	DEDEAUX	NET 30	02-27-02

ROUTE NUMBER	DELIVERY DATE	[illegible]	DRIVER	HTR NUMBER	TIME IN	TIME OUT	MILES
0	01-28-02		W/C				0

[illegible]	PRICE	[illegible]	ORDERED	DELIVERED	TAXES	PRICE	AMOUNT
		PLS DEL MONDAY					
		AS PER BRIAN					
	GALS	ULTRA LOW SULPHUR DIESEL EC	4000		T T T		
		CLEAR DIESEL FEDERAL EXCISE	4000				
		CLEAR DIESEL STATE EXCISE T	4000	3516			
		FEDERAL SUPERFUND	4000				
		OIL SPILL FEE	4000				
		FK					
		*** DELIVERY MESSAGE ***					
		/*/*/*/*/*/*/*/*/*/*/*/*/*/*/					
		EFFECTIVE 1/1/02 NEW SG #					
		SGGH 78-020404					
		COAST OIL CO. LLC					
		/*/*/*/*/*/*/*/*/*/*/*/*/*/*/					

Coast Oil Company

PRODUCT	BEFORE STICK	AFTER STICK

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

PLEASE PAY FROM THIS INVOICE

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 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

PRINTED NAME
X [signature]

CONDITION OF CERTIFICATION BIO-2

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

FOR JANUARY 2002

METCALF ENERGY CENTER

BIOLOGICAL MITIGATION MONITORING

Summary from Designated Biologist, January 2002

The Co-Designated Biologist visited the site on January 14 for safety training. The Co-Designated Biologist visited the site again on January 21 to inspect the tree removal operation and discuss the proposed placement of cattle troughs on the MEC Ecological Preserve. January 2002, site activities included preparation of the laydown area, tree removal, additional silt fence installation, site stripping, and Blanchard Road access enhancement. The Biological Monitor was continuously on-site and/or on-call during site activities.

Until the domestic water supply is available, alternative water supplies for cattle are being investigated for feasibility, permit requirements, and potential impacts. Alternatives will be discussed with the CEC and relevant natural resource agencies prior to implementation. The Designated Biologist and Stuart Weiss are currently working with PG&E and the U.S. Fish and Wildlife Service to get permission to graze the northern portions of Tulare Hill in 2002. If grazing is not permitted in a timely manner by PG&E, adverse impacts to the serpentine habitat for Bay checkerspot butterfly could occur.

All January activities were in compliance with designated biological Conditions of Certification.

Biological Resources

Mitigation Monitoring for the

Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #4

January 2002

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

Biological Resources Mitigation Monitoring for the Metcalf Energy Center

Monthly Compliance Report-January 2002

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C) Wildlife Observation Forms

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METCALF ENERGY CENTER

MONTHLY COMPLIANCE REPORT

January 2002

INTRODUCTION

The proposed 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 areas totaling 24.8-acres would be 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, National Marine Fisheries Service, California Department of Fish and Game, and 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 January 2002.

MONITORED MITIGATION MEASURES

A Worker Environmental Awareness Training (WEAT) program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. During January, the WEAT program was administered as required by BIO-6 of the "Conditions of Certification"(COC) from the CEC *Commission Decision*.

In compliance with COC BIO-2, the Biological Monitor examined and cleared Phase 1 activity areas immediately prior to and during January site preparation activities. The Monitor was available throughout the month to respond to biological issues as needed. January activities are described below.

Tree removal was completed in January in order to avoid the February to August breeding season for birds.

As significant construction began in January, conditions described in the FWS Biological Opinion became more relevant in daily project activities. In response, the following conditions were included in the January 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.
- Once construction begins, work areas will be checked for California red-legged frogs prior to daily activities.
- Daily red-legged frog surveys will revert to weekly inspections if no frogs are observed after the first 10 working days.
- A silt fence will be constructed to prevent runoff into Fisher Creek.
- The Biological Monitor will inspect the erosion control features daily.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during January 2002. January activities included off-site access ramp construction, phase 1 site preparation, and presentation of the WEAT program to project personnel. These activities are described below. Relevant photographs are included in Attachment A. A cumulative wildlife species list is included in Attachment B. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Off-site Access Ramp Construction

The Monterey/Blanchard Road access roadwork activities which commenced in December 2001, continued throughout January. This month's activities included import of fill material, grading, and paving of the road surface. The access work also included the installation of culverts and a stormwater diversion ditch.

The Biological Monitor performed daily spot checks of the road work activities. Road construction will likely continue into February of 2002.

A gopher snake (*Pituophis melanoleucus*) was found within the off-site ramp construction work area on January 23. The snake was unharmed and was captured and relocated. (Wildlife Observation forms for captured, injured, or dead wildlife are included in Appendix C.)

Phase 1 Site Preparation

Phase 1 preparation is characterized as mobilization activities such as clearing, stripping, and compaction of the site and laydown areas in preparation of equipment staging and site construction. These activities commenced on January 14, 2002. This month, Phase 1 activities included silt fence installation; tree removal and mulching; laydown area and MEC footprint clearing and stripping; and access road construction.

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 or dead wildlife throughout each construction zone after initial site disturbance.

Silt Fence Installation

Phase 1 activities began with the installation of a silt fence surrounding the laydown areas and MEC site. A small ditch-witch machine and Bobcat were used to trench and bury the fence approximately 6 inches deep. The fence was reinforced with steel t-posts and wire mesh. In addition to providing a work site boundary, the silt fence will act as an erosion/sedimentation control device. This fence will act in conjunction with the previously installed silt fence defining the riparian corridor on the MEC site.

The Biological Monitor surveyed the silt fence alignment prior to installation and monitored the activity periodically. The Biological Monitor was onsite each day and was always available should a situation arise.

Tree Removal and Mulching

Tree removal on MEC site began on January 21, 2002. Excavators and chainsaws were used to remove trees previously tagged for removal. Felled wood was stockpiled for later mulching.

Prior to removal, the Biological Monitor verified and marked the trees subject to removal. The Biological Monitor inspected each tree for bird nests and other wildlife. Activities did not commence until after the Biological Monitor's assessment that no active nests were present. Fallen trees were inspected for wildlife in need of relocation.

Two arboreal salamanders (*Aneides lugubris*) were found during the excavation of a root ball. (See Appendix C.) The salamanders were unharmed and were relocated to the riparian corridor. No oaks or riparian trees were removed or damaged during the removal process.

Mulching of the felled trees began on January 30, 2002. An industrial-sized tub grinder was used to chip the woody debris. The mulched material will be utilized within the mitigated tree planting areas adjacent to the Fisher Creek riparian corridor as well as throughout the landscaping/screening corridor. The mulch will be stockpiled in the riparian corridor at locations selected by the Biological Monitor. The Biological Monitor will supervise the stockpiling activities, scheduled to occur February 2002.

Clearing and Stripping

Clearing and stripping of the laydown areas and MEC site began in January. Graders and scrapers were used to clear and strip the top 6 to 8 inches of soil. The striped soil is being stockpiled in the laydown area and will be seeded for erosion control after stripping is complete. Clearing and stripping of the footprint site will likely continue into February 2002. Compaction and surfacing of the laydown areas will likely begin in February 2002.

The laydown areas are confined to previously tilled agricultural fields. Therefore, continued work did not represent a significant risk to biological resources. The Biological Monitor inspected these areas prior to work each day and was on call should a situation arise. The Biological Monitor conducted preconstruction surveys of the MEC site prior to stripping and each day prior the start of activities. The Biological Monitor was also directly onsite to monitor the initial clearing activities on the MEC site.

One pocket gopher (*Thomomys bottae*) and two gopher snakes (*Pituophis melanoleucus*) were killed as a result of the January stripping of the laydown areas. (See Appendix C.)

Access Road Construction

A new access road will extend from the junction of Blanchard Road at Monterey Road north, through the laydown area, to the MEC footprint site. The access road will be a continuation of the offsite access ramp from Monterey Road. The new access road will be approximately 3 to 4 feet above existing grade and surfaced with asphalt.

This month, access road fill material was brought onto the site. Equipment also began grading and compaction of the road base. Access road construction will likely continue into February 2002.

The access road work is confined with the previously stripped laydown area. Therefore, continued work does not present a significant risk to biological resources. The Biological Monitor inspects the access road work area periodically and is on call should a situation arise.

WORKER ENVIRONMENTAL AWARENESS TRAINING

In January, Worker Environmental Awareness Training (WEAT) continued with the presentation of a training video, distribution of WEAT handbooks, and a question and answer period with the Biological Monitor.

A total of 83 personnel received WEAT training during January for a total of 125 employees trained at the Metcalf Energy Center. A list of all WEAT attendees is included in Appendix D. Signed affidavits are kept on file by both Calpine's Environmental Compliance Manager and the Designated Biologist.

GENERAL NOTES AND OBSERVATIONS

January represented the first month of significant construction activities associated with the MEC project. Work proceeded smoothly and without a biologically-associated incidence of noncompliance. The work was conducted at scale that was manageable for the Biological Monitor. Construction personnel has been cooperative in allowing the Biological Monitor to conduct preconstruction surveys and monitoring activities. Construction personnel have also been cooperative in contacting the Biological Monitor to alert them of potential biological issues throughout the project area.

January included rainy weather that is often conducive to the movement of sensitive species. In response, special emphasis was placed on preconstruction surveys for California red-legged frogs and California tiger salamanders. As stated in the FWS Biological Opinion, work areas were checked for California red-legged frogs prior to daily activities. No evidence of red-legged frogs as a result of the surveys. Therefore, the red-legged frog surveys reverted to weekly inspections following the first 10 days of construction.

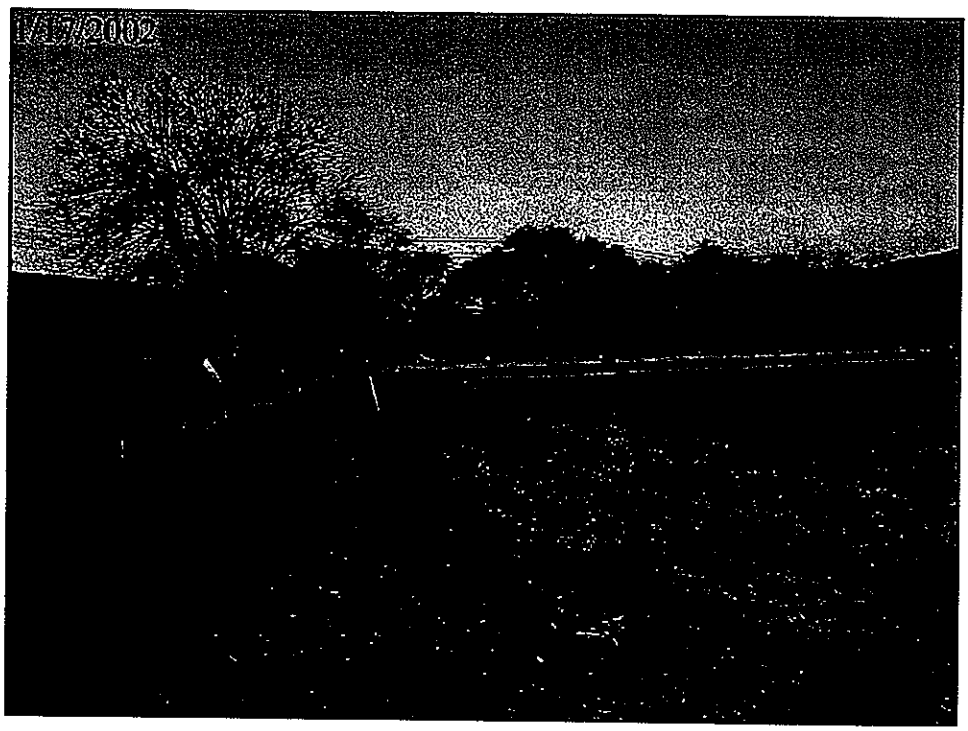
The wet weather also raised concerns about erosion control. The effectiveness of erosion control measures were inspected on a daily basis. The newly installed silt fence was found to be sturdy and effective. In times of heavy rain, construction activities were cancelled and were not resumed until the ground was sufficiently dry.

On January 19, 2001, equipment stripping the laydown area unearthed a potential Native American burial site. The operator immediately stopped the machine and notified both Robert Harmon (Cultural Resource Monitor) and Ella Rodriguez (Native American Monitor). The area of the find was designated as off limits until further action could be determined.

APPENDIX A

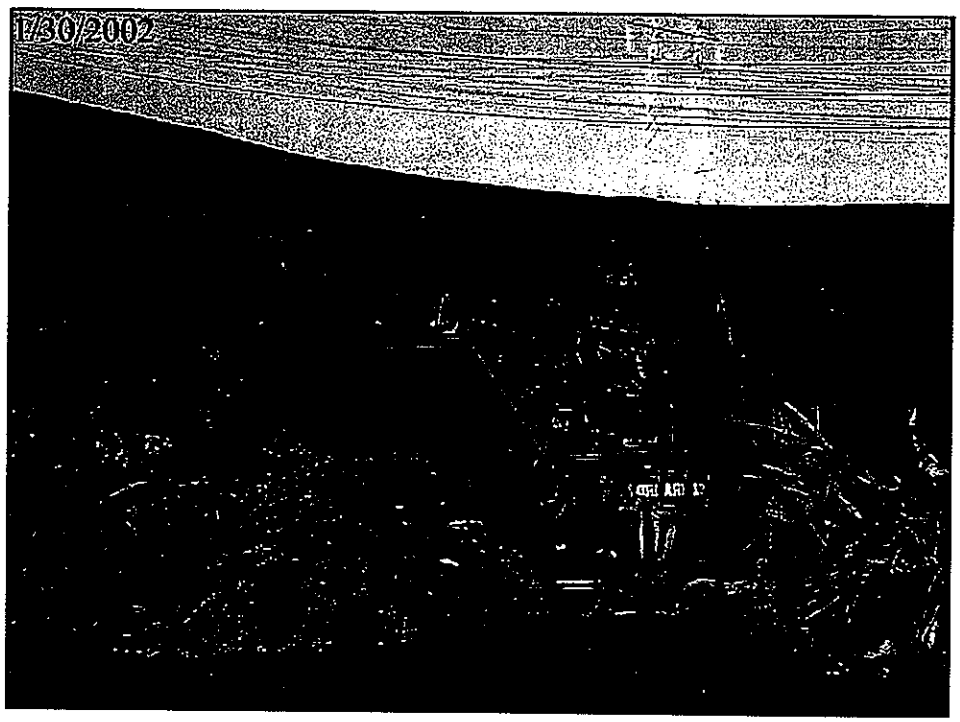
Photographs

Stripping of Laydown Areas

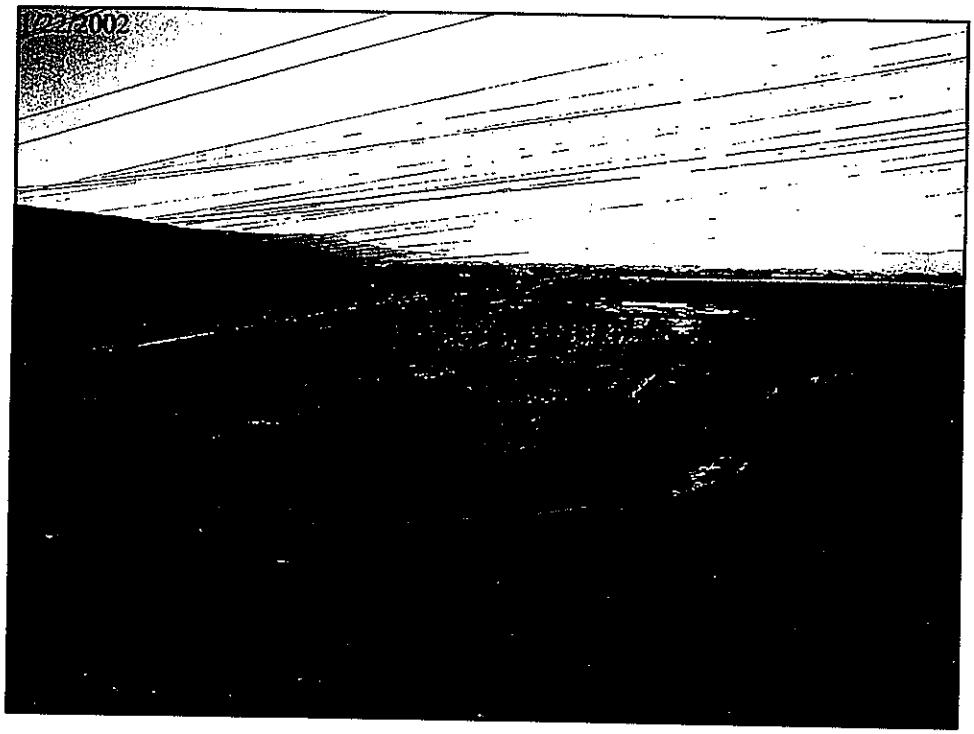


Silt Fence Installation

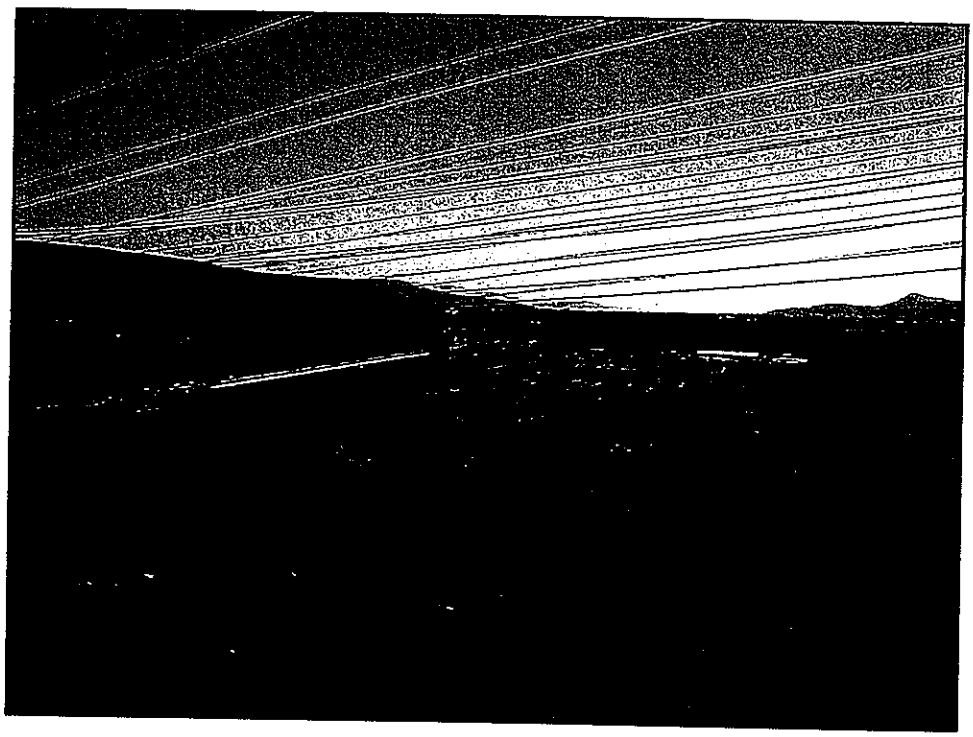
Tree Removal



Wood Chipping for Enhancement Mulch



Main Site: Pre-Tree Removal



Main Site: Post-Tree Removal

APPENDIX B

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 January 31, 2002)

Common Name	Scientific Name	Location
INSECTS		
Cabbage white butterfly	*Pieris rapae*	EC
Buckeye butterfly	*Precis coenia*	TH
Painted lady butterfly	*Vanessa cardui*	EC
Tarantula	*Eurypelma californicum*	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	*Hyla regilla*	TH
Arboreal salamander	*Aneides lugubris*	TH, EC
Western fence lizard	*Sceloporus occidentalis*	EC, TH, LA
Side-blotched lizard	*Uta stansburiana*	EC
Southern alligator lizard	*Elgaria multicarinata*	EC, TH
Western skink	*Eumeces skiltonianus*	TH
Gopher snake	*Pituophis melanoleucus*	EC, LA
BIRDS		
Pied-billed grebe	*Podilymbus podiceps*	FC
Double-crested cormorant	*Phalacrocorax auritus*	CC*
Canada goose	*Branta canadensis*	EC*
Mallard	*Anas platyrhynchos*	FC
Wood duck	*Aix sponsa*	FC
Common merganser	*Mergus merganser*	FC
American coot	*Fulica americana*	FC
American white pelican	*Pelecanus erythrorhynchos*	EC*
Great blue heron	*Ardea heroides*	FC
Green heron	*Butorides virescens*	FC
Great egret	*Casmerodius albus*	FC
Killdeer	*Charadrius vociferus*	LA, LEA*,EC
White-tailed kite	*Elanus caeruleus*	FC
Northern harrier	*Circus cyaneus*	FC, TH
Turkey vulture	*Cathartes aura*	EC*, TH, LA
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

Location:
CC = Coyote Creek Riparian Corridor
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
LA = Laydown Area
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
WL = Water Line Corridor
LEA = Proposed laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest)

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

Common Name	Scientific Name	Location
BIRDS (continued)		
Red-shouldered hawk	*Buteo lineatus*	EC, FC, LA
Red-tailed hawk	*Buteo jamiacensis*	EC, FC, GP, TH, TL
American kestrel	*Falco sparverius*	EC, TH
Prairie falcon	*Falco mexicanus*	TH
Mourning dove	*Zenaida macroura*	EC, FC, TH, TL
Rock dove	*Columba livia*	EC*, TH*
Anna's hummingbird	*Calypte anna*	TH
Hummingbird sp.		EC, TH, FC
Belted kingfisher	*Ceryle alcyon*	FC, EC*
Northern flicker	*Colaptes auratus*	EC, FC, TH
Nuttal's woodpecker	*Picoides nuttallii*	FC, EC
Downy woodpecker	*Picoides pubescens*	EC, FC
Black phoebe	*Sayornis nigricans*	EC, FC, TL, LEA
Say's phoebe	*Sayornis saya*	LEA
Western scrub-jay	*Aphelocoma californica*	EC, FC, LEA
Common raven	*Corvus corax*	EC, TH, FC
Oak titmouse	*Baeolophus inornatus*	FC
Bushtit	*Psaltriparus minimus*	EC, FC, GP, TL
White-breasted nuthatch	*Sitta carolinensis*	FC
Bewick's wren	*Thryomanes bewickii*	FC, TH
Rock wren	*Salpinctes obsoletus*	FC, TH
Ruby-crowned kinglet	*Regulus calendula*	TH, FC
Northern mockingbird	*Mimus polyglottos*	EC, FC
American robin	*Turdus migratorius*	LA, EC
Loggerhead shrike	*Lanius ludovicianus*	TH, FC, EC
European starling	*Strunus vulgaris*	LEA, FC, EC
Rose-breasted grosbeak	*Pheucticus ludovicianus*	EC
California towhee	*Pipilo crissalis*	EC, TH
Dark-eyed junco	*Junco hyemalis*	FC, TH
White-crowned sparrow	*Zonotrichia leucophrys*	EC, FC, TH
Song sparrow	*Melospiza melodia*	EC, LA, LEA

Location:

CC = Coyote Creek Riparian Corridor
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
LA = Laydown Area
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
WL = Water Line Corridor
LEA = Proposed laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest)

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

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Yellow-rumped warbler	*Dendroica magnolia*	TH
Western meadowlark	*Sturnella neglecta*	EC, LA
Red-winged blackbird	*Agelaius phoeniceus*	FC
Brewer's blackbird	*Euphagus cyanocephalus*	FC, EC
House finch	*Carpodacus mexicanus*	EC
American goldfinch	*Carduelis tristis*	LEA
Lesser goldfinch	*Carduelis psaltria*	EC, FC
House sparrow	*Passer domesticus*	EC, FC
MAMMALS		
Striped skunk	*Mephitus mephitus*	TH**
Opossum	*Didelphis marsupialis*	EC
Coyote	*Canis latrans*	TH
Feral cat	*Felis catus*	EC
California ground squirrel	*Spermophilus beechyi*	EC, FC, TH, TL
Western gray squirrel	*Sciurus griseus.*	FC
Valley pocket gopher	*Thomomys bottae*	LA**
Deer mouse	*Peromyscus maniculatus.*	TH
Norway Rat	*Rattus norvegicus*	EC
Black-tailed jackrabbit	*Lepus californicus*	EC
Mule (black-tailed) deer	*Odocoileus hemionus*	FC, GP

Location:

CC = Coyote Creek Riparian Corridor
EC = Metcalf Energy Center Plant Site
FC = Fisher Creek Riparian Corridor
GP = Gas Pipe Line Corridor
LA = Laydown Area
TH = Tulare Hill Ecological Preserve
TL = Transmission Line Corridor
WL = Water Line Corridor
LEA = Proposed laydown expansion area

Notes:

* Flyover or otherwise not utilizing area resources.
** Non-active sign (i.e. carcass, feather, nest)

APPENDIX C

Wildlife Observation Forms

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Robert Harmon (Cultural Monitor)

Date:
1/17/2002

Location of observation:
Laydown Yard (Access Road)

Condition of wildlife:
alive [ ] dead [X]

Species: Gopher snake

Possible cause of injury or death:
Ran over (unearthed) by equipment

Where is the animal currently?
Small piece buried in access road

Is the resource in danger of project (or other) impacts?
NO

Comments:
Could have been killed during access road construction 1/12/02

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: Mark Imsdahl (707) 944-5512

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Ella Rodriquez (Native american Monitor)

Date:
1/19/2002

Location of observation:
Laydown Yard

Condition of wildlife:
alive [ ] dead [X]

Species: Pocket gopher

Possible cause of injury or death:
Ran over by blader or scraper

Where is the animal currently?
Laydown yard

Is the resource in danger of project (or other) impacts?
no

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: Mark Imsdahl (707) 944-5512

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Todd Ellwood

Date:
1/19/2002

Location of observation:
Laydown Yard

Condition of wildlife:
alive [ ] dead [X]

Species: Pine gopher snake

Possible cause of injury or death:
grader or scraper ran over snake

Where is the animal currently?
Buried in laydown yard

Is the resource in danger of project (or other) impacts?
no

Comments:
recovered only portions of the snake. Most of the snake remained buried.

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: Mark Imsdahl (707) 944-5512

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Todd Ellwood

Date:
1/21/2002

Location of observation:
MEC footprint site.

Condition of wildlife:
alive [X] dead [ ]

Species: Arboreal salamander (2)

Possible cause of injury or death:
N/A

Where is the animal currently?
Fisher Creek riparian corridor

Is the resource in danger of project (or other) impacts?
No

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: Mark Imsdahl (707) 944-5512

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM

To Record Animals Found In Metcalf Energy Center Project Areas

To be filled out by personell who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.

Name of employee:
Robert Harmon (Cultural Monitor)

Date:
1/23/02

Location of observation:
offsite; south of Blanchard Rd., east of the UPRR

Condition of wildlife:
alive [X] dead [ ]

Species: Gopher snake

Possible cause of injury or death:
N/A

Where is the animal currently?
further south of Blanchard Rd.

Is the resource in danger of project (or other) impacts?
NO

Comments:

Please contact the Designated Biologist for questions and to report any wildlife, nest, or den in the project area that could be disturbed. The Designated Biologist will advise personnel on measures required by California Department of Fish and Game and United States Fish and Wildlife Service to protect fish, wildlife and vegetation from construction impacts.

DESIGNATED BIOLOGIST: Debra Crowe (916) 920-0212 ext. 385
BIOLOGICAL FIELD MONITOR: Todd Ellwood (408) 839-2402
COMPANY: CH2MHILL ADDRESS: 2485 Natomas Park Drive, St. 600, Sacramento, CA 95833
USFWS CONTACT: Cecilia Brown (916) 414-6625
CDFG CONTACT: Mark Imsdahl (707) 944-5512

APPENDIX D

WEAT Sign-In Sheets

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

DATE: 1/9/02

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
HARVEY FLETCHER	Harvey Fletcher	HARVEY'S GRADING
Don Larson	DM S	Harvey's Grading
R. H. Fletcher	R. H. Fletcher	Harvey Grading
MICHAEL MILLER	Michael Miller	TOP GRADE CONST.
PAUL RUIZ	1/9/02	CAMPANELLA CORP
ARTURO JIMENEZ	ARTURO JIMENEZ	CAMPANELLA CORP.
NELSON SOLBERG	Nelson Solberg	TOP GRADE CONST.
ENRIQUE AGUICAR	Enrique Aguilar	KIER & WRIGHT
SANDY M. LUNAPES	Sandy M. Lunapes	KIER & WRIGHT
Ronald L. Chilson	Ronald L. Chilson	Mortenson

Instructor/s: WEAT Video (John Cleckler, Lanny Fisk, Colin Busby)
administered by Todd Ellwood

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

DATE: 1/14/02

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
B. E. Chambers	[illegible]	SIGNET
Robert Harmon	Robert D. Harmon	Basin Research
ELLA M. RODRIGUEZ	Ella M. Rodriguez	N.A. MONITOR
Stuart A Gordon	Stuart A Gordon	Basin Research

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

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 1/15/02

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
Ezequiel Saldivar	Saldivar	J.J. Albanese
MAGDALENO JACQUEZ	[illegible]	TOP GRADE
OSVALDO GARCIA	GARCIA	J.J. ALBANESE
Luis Saldivar	[illegible]	J.J. Albanese
Gabriel Nol	[illegible]	J.J. Albanese
WILLIAM RODRIGUEZ	[illegible]	P.P.I.
DICK Husted	[illegible]	PPI
JOE Martinez	[illegible]	PPI
Juan Carlos [illegible]	[illegible]	PPI
MACARIO MANCO	[illegible]	PPI
Jim Bellewood	[illegible]	ST. FRANCIS
Chris Selover	[illegible]	St. Francis
Don Pilkington	Don Pilkington	ST Francis elect
Kurt R. Dembowicz	Kurt R. Dembowicz	ST FRANCIS ELECTRIC

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

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

DATE: 1/16/2002

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
TODD BIERMANN	T. Bier	GRIFFIN SOIL
Kerri Sommars	K. Sommars	Griffin Soil
MARK A DAROSA	Mark A Da Rosa	GRIFFIN SOIL
Dianne N. Fisk	Dianne N. Fisk	Paleo Resource consultants
Kevin Brown	Kevin Brown	SIGNET
Dennis Linsmeier	Dennis Linsmeier	Top Grade Const.
Jorge a Chavez	Jorge a Chavez	SF Francis Electric

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

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 1/17/02

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
John Maldonado	[illegible]	Top Grade
Eddie H Martinez	Eddie H Martinez	TOP Grade
Jose Borbolla	Jose Borbolla	TOP Grade

Instructor/s: WEAT Video (administered by Todd Ellwood)

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 1/18/02

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
Gary Nelson	Gary Nelson	Top Grade.
Joaquin Tumbiaks	[illegible]	Top Grade
Jason Butler	Jason Butler	Paleo Resource

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

METCALF ENERGY CENTER
ENVIRONMENTAL TRAINING
SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 1/21/02

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
CARLOS HENRIQUEZ	[illegible]	CARLOS WATER TRUCK-GRADE
Kris Jones	[illegible]	Top Grade
Danny Colon	[illegible]	Top Grade
Jose Carrizosa	[illegible]	Top Grade
EUGENE S. CORL	[illegible]	CAMPANELLA CORP

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

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

DATE: 1/25/02

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
JRH	Jose Ricardo Juarez	Concrete STRUCTURES
Ruben Herrera	[illegible]	Concrete Structures
Carlos Olivarez	[illegible]	Concrete Structures
Adan Mendieta	Adan Mendieta	concrete structures
RONNIE ROSBCH	[illegible]	concrete structures
MIKE DAVERE	[illegible]	CONCRETE STRUCTURES
Craig Holland	[illegible]	Concrete STRUCTURES
Martin Montez	[illegible]	Concrete Structures
Anastacio Rivas	[illegible]	Concrete Structures
MARI DeVora	[illegible]	CONCRETE STRUCTURES
Dwight Snipes	[illegible]	Concrete Structures
Bill Moody	Bill Moody	Top Grade Construction
BILL STOVER	[illegible]	TOP GRADE CONST.
KURT FARIA	Kurt Faria	top-grade construction
MANNY J COSTA	[illegible]	TOP GRADE CONST.
Hans Schmidig	[illegible]	Top Grade
Curtis Mason	[illegible]	Top Grade

Instructor/s: WEAT VIDEO (ADMINISTERED BY TODD ELLWOOD)

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

DATE: 1/31/2002

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
JAMES M. RUIZ	[illegible]	TOP GRADE
Jose Luis Boiso	[illegible]	Top GRADE
Tony Rivera	[illegible]	Cyclone Fence & Iron
STEVE SANTOS	[illegible]	Cyclone Fence & Iron
Donald Nunes	[illegible]	TOP Grade
Mario Saucedo	[illegible]	Top Grade
Edmundo Gonzalez	[illegible]	Cyclone Fence Iron
CRAIG SMITH	[illegible]	CYCLONE FENCE & IRON
Maria Isabel Alvarado	[illegible]	Isabel's Food Catering

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

CONDITION OF CERTIFICATION CUL-7

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

MORTENSON
The Construction Organization

3 WEEK CONSTRUCTION SCHEDULE

SUPERINTENDENT: Kirk Bailey

PROJECT: METCALF ENERGY CENTER JOB #: 081888 ISSUE: SITE DEVELPOMENT #1A

JANUARY - FEBRUARY 2002

Page ___ of ___

ACTIVITY DESCRIPTION	DAY	21	22	23	24	25	26	27	28	29	30	31	1	2							REMARKS
		M	T	W	TH	F	S	M	T	W	TH	F	S	M	T	W	TH	F	S		
Install Silt Fence (North)		X	X	X	X	X															
Install Silt Fence (South)				X	X	X															
Tree Removal & Mulch		X	X	X	X	X		X	X	X											
Clear & Strip site (North)		X	X	X																	
Clear & Strip Site (South)					X	X		X													
+0.00 - +4.00 Re Stake					X																
Access Road & Vertical Control					X	X		X	X												Railroad/slope/wall
Build Access road						X		X	X	X	X										
Install pipes Road								X	X												
Recompact Existing (North)					X	X		X	X	X											
Prep/Recompact Exist. (South)									X	X	X	X									Roadway

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON
The Construction Organization — **3 WEEK CONSTRUCTION SCHEDULE** — **SUPERINTENDENT: Kirk Bailey**

PROJECT: Metcalf Phase 1 **JOB #:** 018818 **ISSUE:** #3

ACTIVITY DESCRIPTION	DAY	Jan 28 M	Jan 29 T	Jan 30 W	Jan 31 TH	Feb 1 F	Feb 2 S	Feb 4 M	Feb 5 T	Feb 6 W	Feb 7 TH	Feb 8 F	Feb 9 S	Feb 11 M	Feb 12 T	Feb 13 W	Feb 14 TH	Feb 15 F	Feb 16 S	REMARKS
Deliver Silt fence to the site					X	C														South Laydown Area.
Install Silt fence					X	C														South Laydown Area
Install Steel/RCP Pipes @ St. 5+20.00 – 5+10.00				X																Bechtel 0-CS-0200-0001
CKD Treat 18" Native Soil			X																	Main Access Road: -3.50/+11.50
Submit for Approval CKD @ Common fill				X																Main Access Rd +3.50/+11.50
CKD Common fill @ Access Road					X	X		X												
CKD @ Rail Spur 18" Depth & transport					X															
Heavy Haul Area 18" Depth & Transport						X														
Heavy Haul Area 18" Depth & transport								X												
14" Base Rock Per Lowney Ass. Recommendation:									X											Sta. +3.50 / +11.50
Tree Mulching				X	X	C														
Relocate Mulching Stockpile								X	C											Per Todd Ellwood: CH2MHill's Dir.
Strip Organic Material Power block Area					X	C														
Submit for Approval Stability Issues @ Rail Spur.						X														
Railroad prep & Recompaction									X	X	X									Pending Lowney Ass. Recommendation.
Railroad Spur Sub ballast.											X	X		X						
Install Steel/RCP Pipe @ Sta. 5+60.00 – 5+80.00										X										Bechtel 0-CS-0300-0001
Install Security fence – A –								X	X	X	X	X		X	X	X	X	X		

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

F- Form R- Reinforce P- Place X- Activity B- Begin S- Suspend R-Resume C- Complete

MORTENSON
The Construction Organization — **3 WEEK CONSTRUCTION SCHEDULE** — **SUPERINTENDENT: Kirk Bailey**

PROJECT: Metcalf/Blanchard **JOB #:** 018818 **ISSUE:** 002

"OffSite"

ACTIVITY DESCRIPTION	DAY	JAN M	T	W	TH	F	S	FEB M	T	W	TH	F	S	M	T	W	TH	F	S	REMARKS
Concrete Lined ditch per detail 8/14			X	X	X	X		X	X	C										Albanese Inc. (Top Grade)
Coplain Conform @ #3 Locations						X														
Coplain South of Blanchard Rd. D-Line						X	X	X		"Sunday" 2/3/02										+10.00 – +12.00
Import 600 cu. yds. (Structural Fill & Compact.)							X													
Import AB class #2 & finish grade								X		"Sunday" 2/3/02										Blanchard Rd. to Railroad tracks.
USA Gas Alert. (tonning) & Pot Hole						X														for Metal Rails.
Install Metal beam (Sta. M22+69.03)								X	X	X	X	X								MBI Inc. 3000LF to install
Pave Blanchard Rd. to tracks.								X												
Permeter Landscape grading									X	X	X									
Finish Pave Site												X								
Stripping of Site paving																		X		
Blanchard Rd. west of tracks														X	X	X	X			

*Note – The above schedule is an estimated and conditional schedule only, and is based somewhat on "others" ability to perform, failure by others to fulfill their allotted responsibility within the above allotted time blocks will result in a ripple effect throughout the schedule.

CONDITION OF CERTIFICATION SOCIO-1

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

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
Cooling towers	Marley	Kansas (may also include other locations throughout the United States)	Not available locally
Boiler Feed Pumps	Sulzer	Germany (manufacturer)	Not available locally
Boiler Feed Pumps	Chalfont	Pennsylvania (international supplier)	Not available locally
Distributed Control System	Alfaraetta	Georgia	Manufactured located outside of the area
Construction Switch Gear	General Electric Industrial Systems	California	Manufactured located outside of the area

CONDITION OF CERTIFICATION GEN-3

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

CALPINE CORPORATION
50 W. San Fernando Street San Jose, CA 95113

Vendor No. 0000026493 | Check Date 01/[illegible] | Check No. 00204912

Invoice Number	Invoice Date	Business Unit PO No.	Voucher ID	Gross Amount	Discount	Paid Amount
081-5472	11/29/2001	OTAYX -	00000235	10,404.00	0.00	10,404.00

OTAYX-PROJ # 12729

Proj 13254
02-140

Post-it® Fax Note 7671	Date 2-6	# of pages ▶ 1
To Kristen Sipes	From David Newman	
Co./Dept.	Co.	
Phone #	Phone #	
Fax # 408 463 0656	Fax #	

Vendor Name WILLDAN

Total Amount Paid 10,404.00

REMOVE DOCUMENT ALONG THIS PERFORATION

THIS DOCUMENT IS PRINTED IN TWO COLORS. DO NOT ACCEPT UNLESS BLUE AND BROWN ARE PRESENT.

CALPINE CORPORATION

[redacted]

CONDITION OF CERTIFICATION GEN-6

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

WILLDAN
Serving Public Agencies

2399 Gateway Oaks Drive, Suite 210
Sacramento, CA 95833
916-924-7000 telephone
916-924-3644 fax
www.willdan.com

January 17, 2002

Metcalf Energy Center
4160 Dublin Blvd.
Dublin, CA 94568
Attn: Kristen Sipes

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-1015**
Condition of Certification GEN-6, Special Inspectors
Statements of Qualification

Dear Ms. Sipes:

Please find the attached responses to the submittal of special inspectors qualifications statements. Note in each of the documents that the approvals are conditional.

This office reviewed the submittal for compliance with the Commission Decision.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

Enclosures

Cc: Hans Kosten
Steve DeGroote

WILLDAN
Serving Public Agencies

INTEROFFICE MEMO

Date: 01/16/02

To: Dave Newman

From: Hans Kosten/Deputy CBO

Subject: Calpine Letter Jan 11, 2002

Re: Special Inspectors

Package #: 13254-1015 (partial, 1 of 6)

In accordance with the Condition of Certification, GEN-6, the qualifications of the following persons have been reviewed for Special Inspector:

1. Jarrod Bordi **Status: Approved 01/16-2001**

-ICBO, Structural Masonary
-ICBO Structural Steel and Welding
-ICBO Spray-applied Fireproofing
-ACI Concrete Field Testing Technician-Grade I
-AWS QC1 Certified Welding Inspection

The CBO reserves the right to audit the files of SIGNET TESTING LABS to ascertain that the referenced certifications are on file, or the CBO may request copy of the certification to be submitted.

Note: Clarify two different spellings of Jarrod in the heading and in the executive summary. If the spelling in the heading is wrong, resubmit the corrected qualification

Please refer to the above package number in any responses.

-End-

WILLDAN
Serving Public Agencies

INTEROFFICE MEMO

Date: 01/16/02

To: Dave Newman

From: Hans Kosten/Deputy CBO

Subject: Calpine Letter Jan 11, 2002

Re: Special Inspectors

Package #: 13254-1015 (partial, 2 of 6)

In accordance with the Condition of Certification, GEN-6, the qualifications of the following persons have been reviewed for Special Inspector:

2. Kevin Brown **Status: Conditionally Approved 01/16-2001**

-ICBO Structural Masonary
-ICBO Structural Steel and Welding
-ICBO Reinforced Concrete
-ACI Concrete Field Testing Technician-Grade I
-PNT Nuclear Gauge Testing

The CBO reserves the right to audit the files of SIGNET TESTING LABS to ascertain that the referenced certifications are on file, or the CBO may request copy of the certification to be submitted.

Note: Approval is conditioned upon re-submittal of the qualifications to include the three ICBO certification numbers.

Please refer to the above package number in any responses.

-End-

WILLDAN
Serving Public Agencies

INTEROFFICE MEMO

Date: 01/16/02

To: Dave Newman

From: Hans Kosten/Deputy CBO

Subject: Calpine Letter Jan 11, 2002

Re: Special Inspectors

Package #: 13254-1015 (partial, 3 of 6)

In accordance with the Condition of Certification, GEN-6, the qualifications of the following persons have been reviewed for Special Inspector:

3. Leah Welliver **Status: Conditionally Approved 01/16-2001**

-ICBO Structural Masonary
-ICBO Reinforced Concrete
-ACI Concrete Field Testing Technician
-CalTrans Sampling, Moisture Content (asphalt), Relative Compaction

The CBO reserves the right to audit the files of SIGNET TESTING LABS to ascertain that the referenced certifications are on file, or the CBO may request copy of the certification to be submitted.

Note: Approval is conditioned upon the re-submittal of the qualifications to include the two ICBO certification numbers.

Please refer to the above package number in any responses.

-End-

WILLDAN
Serving Public Agencies

INTEROFFICE MEMO

Date: 01/16/02

To: Dave Newman

From: Hans Kosten/Deputy CBO

Subject: Calpine Letter Jan 11, 2002

Re: Special Inspectors

Package #: 13254-1015 (partial, 4 of 6)

In accordance with the Condition of Certification, GEN-6, the qualifications of the following persons have been reviewed for Special Inspector:

4. Steven Harvey **Status: Approved 01/16-2001**

-ICBO Structural Masonary
-ICBO Structural Steel and Welding
-ICBO Reinforced Concrete
-ACI Concrete Field Testing Technician-Grade I
-PNT Nuclear Gauge Testing

The CBO reserves the right to audit the files of SIGNET TESTING LABS to ascertain that the referenced certifications are on file, or the CBO may request copy of the certification to be submitted.

Note:

Please refer to the above package number in any responses.

-End-

WILLDAN
Serving Public Agencies

INTEROFFICE MEMO

Date: 01/16/02

To: Dave Newman

From: Hans Kosten/Deputy CBO

Subject: Calpine Letter Jan 11, 2002

Re: Special Inspectors

Package #: 13254-1015 (partial, 5 of 6)

In accordance with the Condition of Certification, GEN-6, the qualifications of the following persons have been reviewed for Special Inspector:

5. Bundy Chamberlain, Jr. **Status: Conditionally Approved 01/16-2001**

-ICBO Reinforced Concrete
-ACI Concrete Field Testing Technician-Grade I
-Engineering Technician, Level I
-Nuclear Densometer Testing

The CBO reserves the right to audit the files of SIGNET TESTING LABS to ascertain that the referenced certifications are on file, or the CBO may request copy of the certification to be submitted.

Note:

Approval is conditioned upon re-submittal of the qualifications to include the number of years with project inspection experience and other project experience.

Please refer to the above package number in any responses.

-End-

WILLDAN
Serving Public Agencies

INTEROFFICE MEMO

Date: 01/16/02

To: Dave Newman

From: Hans Kosten/Deputy CBO

Subject: Calpine Letter Jan 11, 2002

Re: Special Inspectors

Package #: 13254-1015 (partial, 6 of 6)

In accordance with the Condition of Certification, GEN-6, the qualifications of the following persons have been reviewed for Special Inspector:

6. Daniel Camacho **Status: Conditionally Approved 01/16-2001**

Certifications
- Nuclear Gauge Testing

The CBO reserves the right to audit the files of SIGNET TESTING LABS to ascertain that the referenced certifications are on file, or the CBO may request copy of the certification to be submitted.

Note: Approval is conditioned upon re-submittal of the qualifications to include project references for the City of Hayward and the nature of Field Technician work. In addition the name of the entity for the Nuclear Gauge Certification or a copy of the certificate shall be submitted.

Please refer to the above package number in any responses.

-End-

CONDITION OF CERTIFICATION NOISE-1

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

Statement attesting to compliance with condition NOISE-1:

The attached public notification letter was mailed to over 4,000 businesses and residences within a 5-mile radius of the Metcalf Energy Center site. The letter was postmarked on September 25, 2001. The community information hotline (408-463-8008) has been established and will be monitored daily. A sign with the telephone number and the CEC toll free information line has been posted at the site (copy of sign attached). A report of all inquiries will be submitted in each Monthly Compliance Report.

Nick LaPorte
Project Manager
Metcalf Energy Center

September 24, 2001

Dear Resident/Business Owner,

Calpine/Bechtel Joint Development expects to start construction on the Metcalf Energy Center (MEC) within the next several weeks. After more than two years of planning and regulatory review, we are now ready to begin the groundwork for this 600 megawatt natural gas-fueled energy center.

MEC is located on a 20-acre site at the base of Tulare Hill, west of Monterey Highway and the Union Pacific Railroad right-of-way, between Metcalf Road and Blanchard Road.

Even before we start construction, you may see some pre-construction activity on or near the site. Since a project of this size typically takes approximately two years to build, we expect construction of MEC to be completed during the summer/fall of 2003. Once in operation, it will have the capacity to provide electricity to approximately 600,000 households in the San Jose area.

The construction of MEC is a large and logistically complex project. It will involve more than 400 workers and a variety of large construction equipment. We will make every effort to minimize the typical disruptions and inconvenience that go along with a project of this magnitude.

During the construction of the project we are committed to maintaining ongoing communication with the surrounding communities. We have established an MEC Information Phone Line to help address any questions or concerns that you may have as construction activities proceed. The phone number is **(408) 463-8008**. We are committed to responding to all inquiries within a 24-hour period and we encourage you to call us as questions arise. In addition, Calpine/Bechtel will be keeping you informed of the construction progress via quarterly project newsletters and through updates on the MEC website www.metcalfenergycenter.com.

The California Energy Commission has also established a toll free telephone number that you may call if you have any additional questions or concerns. The number is **(800) 858-0784**.

Please know that we sincerely appreciate your patience and cooperation as we begin the construction of this important new energy center being designed to serve the community of the San Jose area.

Sincerely,

Kenneth E. Abreu

Kenneth E. Abreu
Project Development Manager
Calpine/Bechtel Joint Development

CALPINE

Future Home of the

Metcalf Energy Center

A 600-Megawatt Natural Gas-Fired Energy Center

Public Information Line: (408) 463-8008

California Energy Commission: (800) 858-0784

General Contractor: MORTENSON

Engineering: BURNS & ROE

Architect: HILLIER

Start Date: 2002

Completion Date: 2004

COMPLIANCE MATRIX

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/7/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	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 pior 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 culmulative 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 culmulative 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 culmulative 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 sumitted 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-13	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				
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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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 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				
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				

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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 Sesction 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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
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. Notify the CEC CPM at least seven (7) working days before these contacts are made.	Within 180 days of issuance of Authority to Construct				
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				
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				In progress
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				In progress
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				
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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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, ndicate 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				
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				
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				
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				In progress
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-rad, 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-rad, 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

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
AQ-52	The project owner shall mitigate, to the extent practical, construction related emission impacts from off-rad, 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				
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	9/27/01	9/27/01(Bechtel)	2/1/02(Bechtel)	Resubmitted for Mortenson. OSHA Consultation scheduled 2/21/02.
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	7/31/01	7/31/01	2/1/02	Complete for preconstruction. Responding to Fire Dept. comments.
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				

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START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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 theSan 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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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 CMP 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 CMP for review and approval.	30 days prior to initial gas flow in pipeline				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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	6/12/01	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				
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.	ubmit 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				In progress - submitted form to County. Rec'd verbal approval from County.
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				In progress
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				In progress
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. Notify the CPM that the boundaries are ready for inspection.	60 days prior to start of construction	9/20/01	9/20/01	10/17/01	Complete
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	9/20/01	9/20/01	10/17/01	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 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	6/12/01	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

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START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
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				
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				
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	9/20/01	9/20/01		Submitted
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				
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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		11/4/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
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	10/2/01	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	10/2/01	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				
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				
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 and steam blows	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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	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.	Commence Steam blow				
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	2/14/02	2/14/02	N/A	Complete
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				
VIS-1	Treat the project structures, buildings, and tanks visible to the public in a non-reflective color.	Submit its proposed plan to the CPM for review and approval.					
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				
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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING:		1/14/2002					
START OF CONSTRUCTION:							
Condition No.	Requirements & Task Summary	Action/required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
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				

METGALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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, 12/18/01		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		Revised Monterey Rd. plan submitted 12/18/01. Submitted fabric sample to Gary Walker 2/12/02.
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.	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.	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.	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		6/12/01		Submitted / In progress. Waiting for resonse from 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		6/12/01		Submitted / In progress. Waiting for resonse from 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.				
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 by CPM per VIS-8				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
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				
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	9/6/01	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	9/5/01	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.				
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				
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				In progress
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 quals.	90 days prior to site preparation	10/16/01	7/26/01	7/27/01	Complete

METGALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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		Waiting for CEC staff approval of "list of insignifcant finds".
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		Submitted in first MCR. Formal submittal 1/29/02.
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 / continuous
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
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				
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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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 xamine 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		In progress. Need approval of CUL-3.
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				

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START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
BIO-4	Submit to the CPM for review and approval a copy of the final BRMIMP andshall 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 andshall 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	12/5/01	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				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

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START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				In progress
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	1/29/02		In progress
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				
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	12/5/01	12/5/01	12/28/01	Complete
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	12/15/01	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	8/31/01	1/25/02	Complete (4 permits)
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 pior 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 pior 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				In progress

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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 pior 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	8/24/01	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	7/27/01	7/27/01		Resubmitted replacement 12/17/01.
GEO-1	Assign to the project an engineering geologist(s).	Notify CPM of replacement of Engineering Geologist	Replacement of Engineering Geologist	12/17/01	12/17/01		
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				Submitted to CBO
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	1/27/02	1/14/02	N/A	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 ground disturbance	7/26/01	7/26/01	7/27/01	Complete
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	10/3/01	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				
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				

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Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				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				
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	12/15/01	8/12/01	N/A	
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				
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		1/18/02	N/A	
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				
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	12/15/01	8/16/01	N/A	
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				
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	
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 pior to any activity requiring Special Inspection		1/11/02	1/16/02	In progress

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				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				
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.	Ttransmit 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				
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	N/A	In progress
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				
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 Unforseen 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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	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.	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 frading NCR.				
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				
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				
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 pior 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.	Obrain approval from the CBO of lateral force procedures proposed for project structrues. 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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING:		1/14/2002					
START OF CONSTRUCTION:							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				

METCALF ENERGY CENTER - COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	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.	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				
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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
START OF MOBILIZATOIN/ROUGH GRADING		1/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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				
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				
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.	Iinform 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.	Ttransmit 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				

METCALF ENERGY CENTER COMPLIANCE MATRIX							
START OF MOBILIZATION/ROUGH GRADING		11/14/2002					
START OF CONSTRUCTION							
Condition No.	Requirements & Task Summary	Action required	Event	Required Submittal Date	Date submitted to CPM	Date approved by CPM	Status/ Comments
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	10/24/01	11/19/01	Complete
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 Rough Grading				
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	11/14/01	11/14/01		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				In progress

LISTING OF COMPLAINTS, NOTICES OF VIOLATIONS, OFFICIAL WARNINGS, AND CITATIONS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

MEC PUBLIC CONTACT LOG - January 2002

DATE/TIME	NAME & CONTACT	FORM OF CONTACT	PURPOSE OF CALL/CONTACT	ACTION/RESOLUTION	DATE/TIME OF RESPONSE	MEC REP
1/8/2002	ICF Consulting	Phone line	Asked question "Have we broken ground yet?"	Left message on schedule and how to contact for Mortenson.	1/10/2002	Lisa Poelle
1/25/2002	Karen Anderson 1256 Balboa Court Sunnyvale, CA 94086	Phone line	Caller stated she is moving to the neighborhood and wanted to know the location of Metcalf Energy Center.	Gave her the information she requested, website address, and sent her pictures.	1/29/2002 1:4PM	Lisa Poelle

CBO COMMENTS AND LIST OF APPROVALS

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT #4

CBO APPROVALS - JANUARY 2002

CONDITION	APPROVED	APPROVAL DATE
GEN-4	RESIDENT ENGINEER	1/17/2002
GEN-5	GEOTECHNICAL ENGINEERS	1/16/2002
GEN-5	CIVIL, DESIGN, ELECTRICAL, MECHANICAL ENGINEERS	1/17/2002
GEN-6	SPECIAL INSPECTORS	1/17/2002

January 8, 2002
Mr. David Newman
Willdan
2399 Gateway Oaks Drive, Suite 210
Sacramento, California 95833

Subject: **REVIEW OF REVISED GEOTECHNICAL REPORT**
Proposed Calpine Metcalf Energy Center
San Jose, California
Arroyo Project No. 13254-2998

INTRODUCTION

This presents our fifth geotechnical review of data submitted in support of the proposed power plant to be constructed in San Jose, California. The purpose of this review is to evaluate the document for adequacy with respect to soil liquefaction potential in accordance with the Seismic Hazards Mapping Act. The revised report was prepared by Bechtel Power Corporation and submitted by Burns and Roe Enterprises, Inc. The following report was reviewed:

> *Bechtel Power Corporation, Geotechnical & Hydraulic Engineering Services, Frederick, Maryland, Subsurface Investigation and Foundation Report, Calpine, Metcalf Energy Center, San Jose, California, dated November 2001, Rev. 1.*

The text of this same report, November 2001, Revision 1, was reviewed in our fourth review. Our review letter was dated December 26, 2001. We are in general agreement with the majority of the text of the report: however, several items, which we have asked for in previous reviews, have not been received yet. We do not recommend the geotechnical or engineering geology reports be approved until the following comments are resolved. The majority of our comments are repeated from our fourth review.

COMMENTS

1. The current version of the geotechnical report we received is the complete report. We have not received Drawing 24193 0-C2-0000-00003, Rev.1 Plot Plan with any submittal. The version in the current report is Revision 0. Please provide the latest version of the plan.

2. In our first review dated September 18, 2001, we did not accept the engineering geology report as it indicated there could be no liquefaction on this site. The geology report should be revised as necessary regarding comments about soil liquefaction.

3. The text has now been revised to acknowledge that soil liquefaction can occur and that there may be some seismic settlements due to the liquefaction. Further, a paragraph was added to the revised report indicating the groundwater level could rise to the level of the adjacent creek. For floatation and waterproofing purposes, the water level is to be assumed at elevation +250.6 feet. For borings such as B-121, the above elevation is higher than the ground surface. Does that mean the liquefaction calculations include the water table to the ground surface? If so, that will seriously impact the amount of liquefaction and seismic settlement. Please provide a definitive statement as to the design water level for liquefaction and settlement analyses.

4. As requested previously, please provide complete calculations for the potential for soil liquefaction in terms of factors of safety against liquefaction. Please provide calculations for possible seismically induced site settlements in the sandy strata. Historic high water level should be considered.

5. Section 9.2 of the revised report indicates mat foundations and/or spread footings can be used in Area 1. Section 9.4 indicates spread footings should not be used on this site. Please clarify what you mean.

6. Section 9.2, Area 1 refers to various structures such as CTG, HRSG, stacks, and Administration Building. It is difficult to determine where these are on the site, as they are not labeled on the Boring Location Plan we received. The location of the Administration Building was determined from brief data on the boring logs. We were later informed the rectangle indicated to be this building, was of incorrect size. The version of the Plot Plan provided indicates the Administration Building and Water Treatment Building/Laboratory are side by side. Are they structurally connected? They are in an area with possible high differential settlement, where shallow footings have been proposed. See the difference in Borings B-120 and B-121. Please comment on the adequacy of the use of shallow footings in the area.

7. Section 9.2 goes on to state the upper silty soils should be removed down to Soil Layer III and foundations placed on the Soil Layer III material or on fill on top of this layer. Boring B-121 is in the Administration Building area and indicates 1-½ feet of silty soil may need removal. Directly below this layer, the boring log indicates loose to very loose silty sand with N-value blowcounts of 3 to 6, down to 6 feet and there was no recovery of samples between 6 and

10 feet. Section 9.4 indicates footings can be placed on this sandy stratum. A design bearing of 4,000 psf is given, with no restrictions on depth of embedment or footing width. Thus, a 1 foot wide and 1 foot deep footing could have a bearing value of 4,000 psf in a sandy soil with very low blowcounts. The factor of safety against shear failure of such a footing will be unacceptable. Restrictions as to footing dimensions or embedment and bearing value need to be applied.

CLOSURE

This review was performed in accordance with generally accepted professional geotechnical engineering principles and practice in California at this time. We make no other warranty, either express or implied. Comments presented herein are based on review of work by others. No field exploration or laboratory testing was performed. Please contact us if you have questions or need additional services.

Respectfully submitted,

ARROYO GEOTECHNICAL
A Willdan Company

Leonard T. Evans, Jr., Ph.D., GE 302
Vice President
Chief Geotechnical Engineer

Dist: 2/Addressee

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January 14, 2002

Metcalf Energy Center
4160 Dublin Blvd.
Dublin, CA 94568
Attn: Kristen Sipes

Nooter/Eriksen
5000 Cedar Plaza Parkway
St. Louis, MO 63128
Attn: Ron Petruska

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-3001**
HRSG Calculations

Dear Ms. Sipes:

Please find the attached plan review comments, beginning on page three of this letter, for the above referenced project based on review of the calculations submitted.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Supervising Building Inspector

C: file

The scope of plan review includes the following:

California Code of Regulations, Title 24:

- Part 2. (1998 California Building Code nonstructural provisions)
- Part 2. (1998 California Building Code structural provisions)
- Part 3. (1998 California Electrical Code)
- Part 4. (1998 California Mechanical Code)
- Part 5. (1998 California Plumbing Code)
- Part 6. (1998 California Energy Code) and Energy Commission Standards

This office has reviewed the design documents submitted to help ensure conformance with the regulations noted above and local ordinance.

For processing, please:

A. Revise plans, specifications, and calculations as needed in response to the attached comments.

B. Respond in writing to each comment by marking the attached comment lists or providing an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

C. Submit five sets of revised plans, calculations, and other documents for review and approval.

REVIEW OF STRUCTURAL CALCULATIONS AND DRAWINGS
FOR
FRAME CORNER CONNECTIONS, SHEAR BLOCKS, BASE PLATES AND CASING STIFFENERS
FOR
METCALF HRSG

PART 1: FRAME CORNER CONNECTIONS

Item number

Previous comments:

8. Regarding item number 8 in our previous reviews of the Foundation Loads and Frames, it does not appear to us that there is a bona fide bracing system in the longitudinal direction (perpendicular to the frames). No calculations have been submitted to verify that the casing and casing stiffeners are capable of bracing the HRSG in the longitudinal direction.
11. Regarding item 11 in our previous reviews of the Foundation Loads and Frames, in which we requested hand calculations for Frame 8 in order to validate the computer program, this information has not yet been received.
12. and 13. Regarding items 12 and 13 in our previous reviews of the Foundation Loads and Frames, in which we requested further information, responses have not yet been received.
15. Regarding item 15 in our previous reviews of the Foundation Loads and Frames, we have received no information demonstrating that the roof casing and stiffeners can act as a shear panel that would resist differential horizontal seismic displacements between adjacent frames.

Part 1: Frame Corner Connections:

1. The "C.P." designation is omitted on several calculation pages at column or beam flange welds, including pages 1, 2, 3,16, 21, 49, 54, 59, 64 and 70. ("C.P." has superseded "F.P".)
2. At all flange welds on the calculation pages, verify that the 2" radius access hole is an acceptable alternative to LRFD Figure C-J1.2.
3. At all web welds on the calculation pages, add a note stating that the angle clip is to be removed prior to welding the near side.
4. We recommend that the 4" dimension commonly shown on the calculation pages at the doubler plates be reduced to 1" to minimize the force transfer distance between stiffeners and edge of doubler.
5. The fillet weld arrow at the doubler shown pointing to one flange of the beam or column on the calculation pages should also point to the other flange.
6. Where flange cover plates are typically added on the inside edge of the flanges, such as on calculation pages 5 and 7, it appears that the back fillet weld for the flange interferes with the cover plates.
7. The stiffener plates at columns and beams appear inadequate at some locations, such as on calculation pages 5, 10, 16, etc. For example, on calculation page 5, it appears that the required thickness of the stiffeners should be 5.61 sq.in./7.5"=0.75" instead of 5/8". On page 10, 8900"k/(17.6" x 45ksi x 7.53") = 1.5" instead of 1-1/4".

8. The welding of the stiffeners to the beam or column webs appears inadequate at some locations, such as on calculation pages 10, 16, etc. For example, on page 10, it appears that the required size is 8900"k/(17.6" x 2 x 2 x 16.9" x 22.3ksi) = 0.34" instead of 5/16". On page 16, 845k/(4 x 28.3" x 22.3ksi) = 0.33" instead of 5/16".
9. Where the cover plates are commonly added on the inside face of the flanges, such as on calculation page 6, it appears that the weld arrow for the cover plates to the column flange should point to the inside of the beam flange, not the outside. Also, the welding accessibility at the inside edges of the cover plates appears questionable. Consider the detail on page 4 of the calculations or consider placing the cover plates on the outside face of the beam flange. Also, the thickness of the cover plate appears inadequate at some locations, such as on calculation page 17, etc. For example, on page 17, it appears that the required thickness is ((24500"k/29") /45ksi)) –7 sq.in.)/(2 x 3.5") = 1.7" instead of 1-1/8".
10. Where the cover plates are commonly added on the outside face of the flanges, such as on calculation pages 18, 21, etc., it appears that the near side fillet weld backup to the penetration weld for the flange interferes with the cover plate.
11. Where doubler plates have been added, some calculation pages show plug welds and some do not. Verify this requirement.
12. The doubler weld to the beam or column flange appears inadequate at some locations, such as on calculation pages 7, 10, 13, 16, etc. For example, on page 7, it appears that the required size is 343k x 0.44"/(16.9" x 0.83" x 22.3ksi) = 0.48" instead of 7/16". On page 10, 506k x 0.625"/(1.02" x 16.9" x 22.3 ksi) = 0.82" instead of 11/16".
13. The fillet weld at doubler to column or beam web appears inadequate at some locations, such as on calculation page 10, etc. For example, on page 10, it appears that the required size is (0.625" – 0.39") x 506k/((0.625" + 0.39") x 16.9" x 22.3ksi)) = 0.31" instead of ¼".
14. Stiffeners do not match the full width of the column or beam at some locations, such as on calculation page 16, 18, 21, 23, 26, etc.
15. Some stiffeners are not full depth and are tapered in shape, such as on calculation pages 18, 28, 41, etc. Please provide calculations for length and shape of these stiffeners. Also, due to these stiffeners not being full depth, the fillet welding to the beam web appears inadequate in some cases. For example, on page 18, the required size is 1415 k/(4 x 24" x 22.3ksi) = 0.66" instead of 9/16".
16. The design moments in the connection calculations do not match the computer output at frames 3 through 15. This discrepancy sometimes occurs at either the roof or floor, and sometimes at both levels. For example, for frame 5, on page 16 of the computer output, it lists the floor beam moment as 74,920"k, whereas page 102 of the connection calculations shows this to be 50,000"k. If the computer output values are correct, the connections appear to be inadequate for these frames. The review of these connections has been put on hold pending resolution of this question. Please verify.
17. On page 36 of the calculations, the width of the stiffener plates extends beyond the edge of the column flange, interfering with the cover plate shown on page 39.

18. Cover plates strengthening the columns at frame 8 about their weak axis are designed on calculation pages 126-129. The analysis derives a moment at 6' above the base plate based on a shear of 1,165 kips, resulting in a moment of 83,900"k. We see no element, such as a longitudinal beam at that location, to either resist this moment or to deliver the longitudinal shear to the column in the first place. This is the crux of our previously expressed concern for what appears to be an absence of a longitudinal bracing system. Specific comments on these calculations are:
    a. How is the 1,154 kip longitudinal earthquake shear determined? It appears in the table on page 1 of the Foundation Loads calculations, but without the method of derivation.
    b. The determination of the 124 kip earthquake axial load has been previously addressed in comment 8 for Foundation Loads and Frames, in which we question the method of deriving the earthquake axial loads in the columns.
    c. On page 127, Zy is calculated to be 1,957 cub.in. Our calculations show this to be 1,833 cub.in.
    d. On page 127, verify the cut-off point locations for the cover plates with LRFD Section B10.
19. Comments regarding the welding notes on page 74 of the calculations:
    a. The minus sign could be easily missed at the "–20 degrees" at Note 1. We suggest that the word be spelled.
    b. At Note 1, add "as determined by AWS classification or manufacturer certification." at the end of the sentence.
    c. At Note 2, delete "should" and replace with "or greater shall".
    d. At Note 3, delete "geometrical".
    e. Add Note 4: "Comply with LRFD Section J1.5."
    f. Either add here or in the specifications: "For Group 4 and 5 shapes and plates exceeding 2" thickness, comply with LRFD A3.1c and M2.2."
20. Calculation pages 72, 73 and 165-168 have not been reviewed since these elements apply only to erection.

END OF PART 1

The review of Part 2, which consists of the shear blocks, base plates and casing stiffeners, and drawings will follow shortly.

END

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January 17, 2002

Metcalf Energy Center
4160 Dublin Blvd.
Dublin, CA 94568
Attn: Kristen Sipes

Burns & Roe Enterprises
2000 Crawford Place, Suite 100
Mt. Laurel, NJ 08054
Attn: Jim Ferrara

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-2008**
Condition of Certification GEO-2
Engineering Geology Report—Application for Grading Permit

Dear Ms. Sipes and Mr. Ferrara:

Please find the attached plan review comments for the above referenced project based on review of the documents submitted.

This office reviewed the submittal for compliance with the Commission Decision and applicable provisions of the 1998 California Building Code

Please revise the plans, specifications, and calculations as needed in response to the attached comments. Respond in writing to each comment that follows or provide an itemized response letter. Indicate which detail, specification, or calculation shows the required information.

Submit five sets of revised plans, calculations, and other documents for review and approval.

If you have any questions, please do not hesitate to call our office.

Very truly yours,

WILLDAN

David Newman
Senior Plans Examiner
Plan Review Coordinator

Cc:

PLAN REVIEW COMMENTS

1. Refer to geotechnical review letters from Arroyo Geotechnical dated 09/18/01 and 12/26/01 for discussion of liquefaction in the Engineering Geology report. Resolve this issue with Arroyo Geotechnical for approval of the Engineering Geology Report.

2. See the letter dated 10/12/01 from Stephen D. Munro to Steve De Young for authority to proceed with construction project activities. No further grading operations are authorized until approval of the engineering geology report.

The documents referenced in items numbered one and two above will be delivered for reference via fax.

END

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916-924-3644 fax
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January 22, 2002

Metcalf Energy Center
4160 Dublin Blvd.
Dublin, CA 94568
Attn: Kristen Sipes

Nooter/Eriksen
5000 Cedar Plaza Parkway
St. Louis, MO 63128
Attn: Ron Petruska

SUBJECT: **WILLDAN PLAN CHECK NO. 13254-3001**
HRSG Calculations

Dear Ms. Sipes:

Please find the attached plan review comments, beginning on page three of this letter, for the above referenced project based on review of the calculations submitted.

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WILLDAN

David Newman
Senior Plans Examiner
Supervising Building Inspector

C: file

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This office has reviewed the design documents submitted to help ensure conformance with the regulations noted above and local ordinance.

For processing, please:

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FOR
FRAME CORNER CONNECTIONS, SHEAR BLOCKS, BASE PLATES AND CASING STIFFENERS
FOR
METCALF HRSG

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    b. At Note 1, add "as determined by AWS classification or manufacturer certification." at the end of the sentence.
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20. Calculation pages 72, 73 and 165-168 have not been reviewed since these elements apply only to erection.

END OF PART 1

PART 2B: CASING STIFFENERS AND DRAWINGS

Item number: (continuing from Part 2A)

37. Regarding the column foundation plates to which the lower sliding plate is attached, how are the frame shear forces transferred to the concrete foundation from the foundation plates?

Part 2B:

38. For our purposes of review, we are treating the casing and stiffeners as basically a "black box". Therefore, we are not reviewing these elements except to comment on certain design procedures, shown in the calculations, regarding their compliance with normal code requirements

or design assumptions. The magnitudes and sources of the loads as well as the geometry and attachments of these members have not been reviewed.

a. On calculation page 6 of Casing Stiffeners, a 12" effective width is used for the weld. We believe a more realistic assumption is to limit the effective width to the thickness of the stiffener plus 4 times the thickness of the bar = 3.75". For this width, the 5/16" weld is inadequate.
b. On calculation page 7 of Casing Stiffeners, a 10.55" effective casing width is used. We believe a more realistic assumption is to limit the effective width to 16t = 4". With this width, the ½" x 6" bar is inadequate.
c. On calculation page 10 of Casing Stiffeners, a value for "ap" of 1 is used. This value is appropriate for rigid equipment. For flexible equipment, "ap" is 2.5. Please verify the correct value.
d. On calculation pages 11, 12, 13 and 16 of Casing Stiffeners, if the laterally unbraced lengths are equal to the spans, some of the casing stiffeners appear to be unadequate. Please verify.

39. Chanute Manufacturing drawings 1-6, 25, 27, 30, 32, 35, 39, 41, 50, 52, 55, 57, 60, 64, 66, 75, 77, 80, 82, 85, 89, 100, 102, 105, 107, 110, 114-116, 125, 129, 133, 145, 147, 150, 152, 155, 159, 161 and 163 were submitted for review. Since these drawings involve mostly the field assembly of the casing and stiffeners, and therefore comprise part of the "black box", they have not been reviewed. We do have a comment on some of the frame beams included in these drawings. We have not reviewed the shop and field welding of the frames, since this has been previously covered in our comments 1-20 in Part 1 of this review package.
    a. On sheet 39, Section AA, and sheet 64, Section AA, and sheet 89, Section AA, and sheet 114, Section AA, and sheet 115, Section AA, and sheet 163, Section AA, the casing attachments are shown eccentric to the centerline of the beams. Our concern is that whatever gravity loads are supported by the beams by these attachments will induce torsion into the beams. Please verify.
40. The calculations and drawings submitted in this package do not address the adequacy of the casing and stiffeners to function as a lateral bracing system for the HRSG in the longitudinal direction. We have mentioned this in some of our previous comments.

END OF REVIEW

STATUS OF CBO SUBMITTALS FOR JANUARY 2002

CCC Number	Rev	Document Title	Approved/ Comments	Open/ Closed	Date Comment Ent	Actual to CBO	CBO Response	CBO Approval
CIVIL-1	0	TECHNICAL SPECIFICATION FOR EARTHWORK, GRADING AND STRUCTURAL BACKFILL	Comments	OPEN	11/15/2001	10/22/01		
STRUC-1	0	FURNISHING AND DELIVERING READY-MIX CONCRETE		OPEN		10/19/01		
GEN-2	0	CONCRETE WORK		OPEN		10/19/01		
GEN-2	0	EMBEDDED STEEL AND ANCHOR BOLTS		OPEN		10/19/01		
GEN-2	0	PURCHASE AND FABRICATION OF REINFORCING STEEL		OPEN		10/19/01		
STRUC-1	0	CONCRETE AND EARTHWORK TESTING SERVICES		OPEN		10/19/01		
CIVIL-1	0	SITE PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	SITE PLAN	Approved	CLOSED	N/A	10/15/01	10/31/01	10/26/01
CIVIL-1	0	CONSTRUCTION FACILITIES	Comments	OPEN	9/18/2001	8/27/01		
CIVIL-1	0	PLOT PLAN	Comments	OPEN	10/26/2001	9/18/01		
CIVIL-1	0	STORM WATER PIPING PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	STORM WATER PIPING PLAN	Comments	OPEN	10/26/2001	10/10/01		
CIVIL-1	0	CLEARING, STRIPPING, AND STOCKPILE PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	CLEARING, STRIPPING, AND STOCKPILE PLAN	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	EROSION CONTROL DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	EROSION CONTROL DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DRAINAGE DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	DRAINAGE DETAILS	Comments	OPEN	10/26/2001	10/10/01		
CIVIL-1	0	ROUGH GRADING DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DRAINAGE HEADWALL DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	DRAINAGE HEADWALL DETAILS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	ROUGH GRADING SECTIONS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING SECTIONS	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01

STATUS OF CBO SUBMITTALS FOR JANUARY 2002

COC Number	Rev	Document Title	Approval Comments	Open Closed	Date Comments Due	Actual Date	CBO Response	CBO Approval
CIVIL-1	0	RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	RETAINING WALL PLAN, PROFILE AND DETAILS	Comments	OPEN	10/26/2001	10/10/01		
CIVIL-1	0	ROUGH GRADING PLAN PHASE 1	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING PLAN PHASE 1	Approved	CLOSED	N/A	10/15/01	10/31/01	10/26/01
CIVIL-1	2	ROUGH GRADING PLAN PHASE 1	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	3	ROUGH GRADING PLAN PHASE 1		OPEN		10/25/01		
CIVIL-1	0	ROUGH GRADING PLAN PHASE 2	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	ROUGH GRADING PLAN PHASE 2	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	MAIN ACCESS ROAD PLAN AND PROFILE	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	MAIN ACCESS ROAD PLAN AND PROFILE	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	RAILROAD PLAN AND PROFILE	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	RAILROAD PLAN AND PROFILE	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	DESIGN OF REINFORCED CONCRETE RETAINING WALL	Comments	OPEN	10/26/2001	10/10/01		
CIVIL-1	1	EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	2	EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT PLAN	Approved	CLOSED	N/A	10/19/01	10/31/01	10/26/01
CIVIL-1	0	ENGINEERING GEOLOGY REPORT	Comments	OPEN	9/18/2001	8/27/01		
CIVIL-1	0	PRELIMINARY STORM WATER MANAGEMENT BASIN SIZING CALCULATION	Comments	OPEN	9/18/2001	8/27/01		
CIVIL-1	0	STORM DRAIN SYSTEM DESIGN	Comments	CLOSED	9/18/2001	8/27/01		
CIVIL-1	1	STORM DRAIN SYSTEM DESIGN	Comments	OPEN	10/26/2001	10/10/01		
CIVIL-1	0	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Comments	OPEN	9/18/2001	8/27/01		
CIVIL-1	1	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Comments	OPEN	N/A	11/30/01		

STATUS OF CBO SUBMITTALS FOR JANUARY 2002

CCC Number	Rev	Document Title	Approved/ Comments	Open/ Closed	Days Outstanding	Action to TEC	CBO Response	TEC Approval
CIVIL-1	1	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT (SEALED)		OPEN	N/A	1/4/02	1/8/2002	
MECH-1	B	P&ID FIRE PROTECTION SYSTEM		OPEN		10/31/01		
MECH-1	B	P&ID FIRE PROTECTION SYSTEM		OPEN		10/31/01		
MECH-1	B	P&ID DOMESTIC WATER SYSTEM		OPEN		10/31/01		
MECH-1		P&ID SANITARY WASTE SYSTEM						
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
MECH-1	1	P&ID SYMBOLS AND LEGENDS		OPEN		10/31/01		
GEN-2	1	BECHTEL CBO SUBMITTAL LIST		OPEN		10/17/01		
GEN-2		BECHTEL CBO SUBMITTAL LIST	Comments	CLOSED	10/16/2001	9/28/01		
GEN-2		PROPOSED LIST OF DOCUMENTS FOR THE CTG, STG, AND CONDENSER EQUIPMENT FOR SIEMENS WESTINGHOUSE	Comments	OPEN	9/28/2001	9/13/01		
GEN-5		BIOLOGICAL SUMMARY AND ACCREDITATION OF Mr. JAMES THOMPSON FOR SIEMENS-WESTINGHOUSE	Approved	CLOSED	N/A	9/5/01	9/28/01	9/28/01
CIVIL-1		MR. KIT YIN NG, RPE CIVIL DRAINING/ERSION CONTROL	Approved	CLOSED		8/3/01	8/7/01	8/7/01
CIVIL-1		MR. BILL PETROSKI, HYDRAULIC ENGINEER (RESUBMITTAL)		OPEN		12/26/01		
GEN-4		MR. ARTHUR B. BUTIC, RESIDENT CIVIL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-4		MR. SHUKE MIAO, RESIDENT CIVIL ENGINEER (RESUBMITTAL)	Approved	CLOSED		12/12/01	1/17/02	1/17/02
GEN-5		MR. THOMAS FRANKERT, CIVIL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-5		MR. MARTIN BALLOD, CIVIL AND DESIGN ENGINEER	Approved	CLOSED		11/26/01	1/18/02	1/18/02

STATUS OF CBO SUBMITTALS FOR JANUARY 2002

COC Number	Rev	Document Title	Approved/ Comments	Open/ Closed	Date Comment Due	Action to CBO	CBO Response	CBO Approval
GEN-5		MR. MAHANDRA R. GANDHI, ELECTRICAL ENGINEER	Approved	CLOSED		8/1/01	8/7/01	8/7/01
GEN-5		MR. IRA RUBIN, ELECTRICAL ENGINNER (RESUBMITTAL)	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5		MR. DEV CHATTOPADHYAY, MECHANICAL ENGINEER	Approved	CLOSED		8/1/01	1/18/02	1/18/02
GEN-5		MR. MIKE MASI, MECHANICAL ENGINEER (RESUBMITTAL)	Approved	CLOSED		11/26/01	1/18/02	1/18/02
GEN-5		MR. IGNACIO ARRANGO'S RESUME, GEO TECH ENGINEER	Approved	CLOSED	N/A	9/4/01	10/11/01	9/28/01
GEN-5		MR. C. BARRY BUTLER AND MR. RICHARD G. WOODARD, GEOTECHNICAL ENGINEERS (RESUBMITTAL)	Approved	CLOSED		12/17/01	1/16/02	1/16/02
GEN-6		MR. DAVID GRAY'S RESUME FOR SIEMENS WESTINGHOUSE	Approved	CLOSED	N/A	9/4/01	9/28/01	9/28/01
GEN-6		MR. JOHN NELSON AND ROMAN REYES, CIVIL ENGINEER RESUMES	Approved	OPEN	N/A	9/28/01	10/11/01	9/28/01