

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

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

CONTRACTOR_Lloyd Aubry

DATE_March 2004

This form must be completed before site mobilization and must include all equipment that will be used on site.

**All diesel equipment must use ultra low sulfur diesel fuel. Engine idle time must be limited to 10 minutes or less.

Equipment Type (Backhoe, loader, etc.)	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Portable Generator	2003	Colmen	Maxa 3000	83750207	5.5		Feb 2004		
Air Compressor	2001	Ahag	Xas175jd	4500b091x1h 621647	Under 100hp	1	3/1/04	3/1/04	
Grout Mixer RSC	2003	Stone	655pm	022004096	8.0	30	2/27/04		
Grout Mixer RSC	2003	Stone	655pm	442003030	8.0	30	2/27/04		
Diesel Welder LWA	1999	Thermal Arc	Ta20/500d z	n/a	Under 100hp		2/27/04		
GRADALL RSC	1998	Grade All	5340-10	0366077	TBD		2/27/04		
Fork Lift RSC	2002	Daewood	s/s/mover 265500lb	Wj1e1	TBD		2/27/04		
Diesel Welder RSC 394163	2001	Lincoln	K1639-1	U1010902122	Under 100hp		3/10/04		
Diesel Welder RSC 394179	2001	Lincoln	K1639-1	U1010401132	Under 100hp		3/10/04		
Diesel Welder RSC 394164	2001	Lincoln	K1639-1	U1010902104	Under 100hp		3/10/04		
Diesel Welder prime rental	1999	Lincoln	K1639-1	U1991104990	Under 100hp		3/10/04		

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DATE_March 2004

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Diesel Welder RSC	2002	Miller	402D	LA255078	Under 100hp		3/29/04		

CMM Signature:  Date: 4/14/04

Comments:

CONTRACTOR: Conco

DATE: March 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2000	Gradall	534D-9	064433	100	9 months	09/08/03		1996 or newer
Crane	2001	Link Belt	HTC87	1F9F2J2592L 0284818	350	9 months	09/08/03		Exempt due to low duty cycle.
Manlift	2001	JLG	460 SJ	5439-136482- 46-1024	82	1 month	1/16/04		1996 or newer <100 HP

CMM Signature:  Date: 4/14/04

Comments: _____

CONTRACTOR: Morse Construction

DATE: March 2004

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Equipment Type (Backhoe, loader, etc.)	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Generator	00	Multiquip	150KW	7600117	190	60	11/19/03	3/5/04	1996 or newer
Compressor	99	Sullair	185Q	18188A	78	60	11/19/03	3/5/04	1996 or newer
Forklift	00	Gradall	534D10	0366269	116	60	11/24/03	3/5/04	1996 or newer

CMM Signature:  Date: 4/14/04

Comments: _____

DATE: March 2004

CONTRACTOR: O.C. MacDonald

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Generator	00	Whisper Watt	DB-06I	3640458	31	60	9/26/03		1996 or newer <100 HP
Generator	00	Whisper Watt	DCA-2555IU	7106672	30.6	60	10/27/03		1996 or newer <100 HP
Generator	03	Magnum	TGI	034009	31	60	1/23/04		1996 or newer <100 HP
Forklift	97	Lull	1044C-54	CL137	120	60	1/23/04		1996 or newer
Forklift	97	Lull	1044C-54	CL122	120	60	1/23/04		1996 or newer
Forklift	02	Gradall	544D10	411442	116	60	1/23/04	3/15/04	1996 or newer
Forklift	01	Skytrak	8042	10111A	116	60	11/6/03		1996 or newer
Forklift	02	Skytrak	8054	921285	116	60	3/15/04		1996 or newer
Compressor	02	Atlas Copco	XAS96(JD) CA	4500A061724 002500	<100	60	1/23/04		1996 or newer <100 HP
Welder	00	Lincoln	SA250D3	998784	44	60	1/23/04		1996 or newer <100 HP
Welder	89	Miller	402D	RDEM06587	44	60	1/23/04		<100 HP
Welder	00	Miller	402D	YE-M-247304	44	60	1/23/04		1996 or newer <100 HP
Welder	00	Miller	Big 40	KK022803	44	60	1/23/04		1996 or newer <100 HP

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CONTRACTOR: O.C. MacDonald

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Welder	00	Miller	402D	YE-M-020246	44	60	1/23/04	1996 or newer <100 HP
Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Type of mitigation implemented (e.g., CARB, CDPF)
Fusion (8)		McElroy	Various	Various	15	60	1/23/04	<100 HP
Splitter	99	Iron and Oak	BHVE349 9H	1299JB/LCP R10494	13	60	1/23/04	1996 or newer <100 HP
4Wheel cart	96	Cushman	Hawk 4x2		18	60		1996 or newer

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Comments: _____

DATE: March 2004

CONTRACTOR: PSF

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2003	Gradall	G9-43A	0130001015	100	8 months	12/29/03		1996 or newer
Forklift	2003	Gradall	G9-43A	412-09-3012	80-100	8 months	2/18/04		1996 or newer <100 HP
Forklift	2002	Gradall	G6-42A	412-06-1017	80-100	8 months	2/26/04		1996 or newer <100 HP
Generator	1999	Atlas Copco	QAS228	80941863	49	8 months	1/5/04		CARB permit number 106740
Generator	2003	Multi Quip	175 KW	549-96-1002	273	8 months	3/16/04		1996 or newer
Manlift	2002	Genie	S-125	481-93-2006	77	10 months	1/5/04		1996 or newer <100 HP
Manlift	2002	Genie	S-125	481-93-2026	77	10 months	1/12/04		1996 or newer <100 HP
Manlift	2002	Genie	S-125	481-93-2025	77	8 months	2/19/04		1996 or newer <100 HP
Manlift	2002	Genie	S-125	481-93-2003	77	8 months	2/19/04		1996 or newer <100 HP
4x4 Mule		Kawasaki		780-11-0004	<100	10 months	1/6/04		<100 HP
4x4 Mule		Kawasaki		780-11-1002	<100	8 months	3/1/04		<100 HP
Welding machine		Lincoln	Vantage 500	768-50-4011	40	5 months	1/2/04		<100 HP
Welding machine	2000	Lincoln	Comm.500	768-50-0070	40	5 months	1/2/04		1996 or newer <100 HP

CONTRACTOR: PSF

DATE: March 2004

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Air compressor	2001	Ingersoll Rand	Ingersoll 185	006-18-1439		6 months	1/2/04		1996 or newer
125' manlift	2002	Genie	S-125	481-93-2024	77	7 months	3/24/04		1996 or newer <100 HP

CMM Signature:  Date: 4/14/04

Comments: _____

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CONTRACTOR: Rosendin

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2002	Skytrak	8042 Legacy	17838	>100	90	9/11/03		1996 or newer
Generator		MQ Power	DCA-25SSIU	7104905	33		9/22/03	11/1/03	<100 HP
Compressor	2001	Atlas Copco	XAS 96	4500A06121 H613260	<100		10/10/03		1996 or newer
Forklift	1999	Spicer	SS842	142948	100	90	2/2/04		1996 or newer
Trencher	2001	Vermeer	S03550	1VRM080V7 X1000710	50	60	3/3/04		1996 or newer <100 HP

CMM Signature:  Date: 4/14/04

Comments: _____

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CONTRACTOR: Sheedy Drayage Co.

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Equipment ID	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Forklift	2000	Hyster	H280XL	YA70337	120	Periodically during construction	11/19/02	10/27/03	CARB
Crane	1975	American	8460	2021	318	Periodically during construction	2/19/04		Exempt due to low-duty cycle.
Platform trailer	2001	Goldhofer	PST	0069	420	Periodically during construction	2/05/04		1996 or newer
JLG	2003	JLG	600AJ	030005798	40	4 months	2/23/04		1996 or newer <100 HP
Red Gantry	1989	Lift Systems	48A	87818A	78	4 months	2/16/04		<100 HP
Yellow Gantry	1999	Lift Systems	48A	24035A	156	4 months	3/17/04		1996 or newer
Crane	1983	P&H	Alpha100	53112	335	3 Months	3/9/04		Exempt due to low-duty cycle.
Crane	1990	P&H	150	55786	167	3 Months	3/9/04		Exempt due to low-duty cycle.

CMM Signature: 

Date: 4/14/04

Comments: _____

DATE: March 2004

CONTRACTOR: Top Grade Construction

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Equipment Type	Year	Make	Model	Serial #	Engine HP	# of days equipment planned usage	Actual date usage started	Actual date usage stopped	Type of mitigation implemented (e.g., CARB, CDPF)
Mini Excavator	2003	Kobelco	SK80C-IE	LF02-01231	75		9/23/03		1996 or newer <100 HP
Excavator	1996	Hitachi	EX550	17HP007159	100		9/15/03		1996 or newer
Dump truck	1998	Volvo	A35C	A35CV5258	100		10/18/03		1996 or newer
Forklift	2001	Hyster	360	D019D032284	127		11/4/03		1996 or newer
Dump truck	1998	Volvo	A35C	A35CV60064	100		1/30/04	3/2/04	1996 or newer
Backhoe	2004	CAT	436B	BHNF00318	90		1/7/04		1996 or newer <100 HP
Skip loader	2003	Terrex	650TX	TX65031105	60		128/04		1996 or newer <100 HP
Backhoe	2004	CAT	430D	CAT0430DPBKNK04469	90		1/25/04		1996 or newer <100 HP
Dozer	1998	CAT	D4H	8PB6300	100		2/13/04		1996 or newer
Loader	1998	CAT	938F	KM00216	180		2/23/04		1996 or newer
Excavator	1997	CAT	330BL	8TR00707	100		3/1/04	3/31/04	1996 or newer
Blade	1998	CAT	140G	22K02757	150		3/1/04	3/2/04	1996 or newer

CONTRACTOR: Top Grade Construction

DATE: March 2004

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CMM Signature:

Date:

4/14/04

Comments:

CONDITION OF CERTIFICATION AQ-52
COPIES OF CONTRACT LANGUAGE

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

regarding a latent act or omission pertaining to structural defects may be filed within ten (10) years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Register, Contractors' State License Board, and P.O. BOX 26000, SACRAMENTO, CALIFORNIA 95826.

IN WITNESS WHEREOF, the parties hereto have executed and entered into this Agreement as of the Effective Date.

Contract Number: MECXX - 0000000085

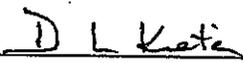
CONTRACTOR

OWNER

Morse Construction Group, Inc
dba: Morse Tank Construction, Inc.

Calpine Corporation,
a Delaware corporation
for the Metcalf Energy Center

By: 

By: 

Name: Bruce A. Fabert

Name: Douglas L. Kieta

Title: Vice President-Sales

Title: Sr. VP- Construction

Strocal, Inc
Letter of Intent and Limited Notice To Proceed
Serial Letter No. Metcalf -- L0232

December 10th, 2003
Page 2

Please signify your agreement with the foregoing by signing a copy of this letter and returning it to Saul Rapkin in our Folsom office. Please keep the second copy for your records.

Sincerely,

CALPINE CORPORATION

By: D L Kieta
Name: Douglas L. Kieta
Title: Senior Vice President - Construction

STROCAL, INC.

By: David Berrens
Name: DAVID BERRENS
Title: EXECUTIVE VP

RECEIVED

JAN 29 2004

such matters, and do not constitute a penalty. Liquidated damages are limited to the delay liquidated damages described in Sections 7.4 and 7.5.

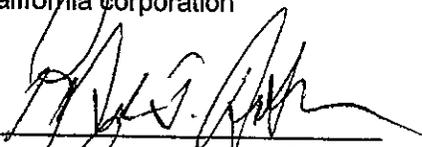
- 19.17 Contractor shall provide such documents and other technical assistance as Owner may reasonably request in connection with obtaining financing for the Project. During the performance of the Work, Contractor agrees that it will make available to Owner, Lender and their representatives, including Lender's Engineer, information relating to the status of the Work, and such other matters as Owner or Lender may reasonably request.
- 19.18 Owner has retained Calpine Construction Management Company, Inc. (the "Construction Manager") as Owner's construction manager and authorized representative during the design and construction of the Project, and Owner has delegated to the Construction Manager the authority to act for and on behalf of the Owner with respect to the ongoing administration of this Agreement. The parties agree that the continuing acts, writings and notices of the Construction Manager and its representatives with respect to matters hereunder shall be deemed to be the acts, writings and notices of Owner hereunder, binding upon Owner for all purposes of this Agreement, and Contractor agrees that, except as otherwise expressly provided herein, Contractor shall communicate and deal directly and exclusively with the Construction Manager on all matters arising under this Agreement. Claims and causes of action arising therefrom, however, shall be asserted only against Owner, and not against Construction Manager or its representatives, except in the case of fraudulent or willful misconduct by the Construction Manager or its representatives. The parties agree that the Construction Manager is intended to be a third party beneficiary of this Section 19.18.
- 19.19 Owner shall (or shall cause the Construction Manager to) designate in writing a representative (the "Owner's Representative") to represent and act for Owner and, as applicable, the Construction Manager with respect to matters arising under this Agreement and to receive communications from Contractor. All communications given to the Owner's Representative by Contractor in accordance with this Agreement shall be deemed effectively given to Owner.
- 19.20 Contractor's California contractor's State License Number is 213261. Contractors are required by law in California to be licensed and are regulated by the Contractor's State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four (4) years of the date of the alleged violation. Any complaint regarding a latent act or omission pertaining to structural defects may be filed within ten (10) years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Register, Contractors' State License Board, and P.O. BOX 26000, SACRAMENTO, CALIFORNIA 95826.

IN WITNESS WHEREOF, the parties hereto have executed and entered into this Agreement as of the Effective Date.

Contract Number: MECXX-000195

CONTRACTOR

Lloyd W. Aubry Company, Inc.,
a California corporation

By: 

Title: PRESIDENT

OWNER


Calpine Corporation,
a Delaware corporation
For the Metcalf Energy Center

By: D L Kester

Title: Sr. Vice President - Construction

PSF Industries, Inc
Letter of Intent and Limited Notice To Proceed
Serial Letter No. Metcalf -

December 9th, 2003
Page 2

Please signify your agreement with the foregoing by signing a copy of this letter and returning it to Saul Rapkin in our Folsom office. Please keep the second copy for your records.

Sincerely,

CALPINE CORPORATION

By: DL Kleta
Name: Douglas L. Kleta
Title: Senior Vice President - Construction

PSF INDUSTRIES, INC.

By: James E. McCarry
Name: James E. McCarry
Title: General Manager

EXHIBIT H-2

CALIFORNIA ENERGY COMMISSION
CONDITIONS OF CERTIFICATION

Air Quality

Comply with Fugitive Dust Control Plan included as Attachment B to the Storm Water Pollution Prevention Plan and Erosion and Sediment Control and Stormwater Management Plan attached hereto as Attachment 1.

Mitigate, to the extent practical, construction related emission impacts from off-road, diesel-fired construction equipment as stated in the Diesel Mitigation Plan, Condition of Certification AQ-52 attached hereto as Attachment 2.

All heavy equipment shall not remain running at idle for more than ten (10) minutes to the extent practical.

Use ultra low sulfur fuel in diesel burning equipment.

Hazardous Materials

Quantity and strength of any hazardous material used on-site must be approved in advance by the CPM.

Comply with the Construction Waste Management Plan, attached hereto as Attachment 3.

Noise

Comply with Noise Control Plan included in the Metcalf Energy Center Safety Manual, Exhibit J.

SocioEconomics

Recruit employees and procure materials and supplies within the City of San Jose and Santa Clara County where possible in accordance with the Construction Phase Hiring and Procurement Plan, attached hereto as attachment 4.

Traffic and Transportation

Comply with Construction Traffic Control, Parking and Staging Plan, attached hereto as attachment 5.

Waste Management

Comply with Construction Waste Management Plan attached hereto as attachment 3.

Housekeeping, Fire Prevention and Protection Plan

Comply with the Housekeeping, Fire Prevention and Protection included in the Metcalf Energy Center Safety Manual, Exhibit J.

Worker Safety and Environmental Awareness

All on-site workers will attend pre-construction orientation covering areas such as biological, cultural (archaeological) awareness and receive safety training and information regarding the site Fugitive Dust Mitigation Plan, Injury and Illness Prevention Plan, Erosion Control Plan, Waste Control Program, Construction Traffic Control Plan and delivery route for hazardous materials.

Prepare and submit Contractor Construction Injury and Illness Prevention Plan.

Summary

Attachment 1 – Storm Water Pollution Prevention Plan and Erosion and Sediment Control and Storm Water Management Plan

Attachment 2 – Diesel Mitigation Plan

Attachment 3 – Construction Waste Management Plan

Attachment 4 – Construction Phase Hiring and Procurement Plan

Attachment 5 – Construction Traffic Control, Parking and Staging Plan

Exhibit J – Requirements for Housekeeping, Fire Prevention and Protection Plan and Noise Control Plan

CONDITION OF CERTIFICATION BIO-2
SUMMARY OF BIOLOGICAL MONITORING

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

Biological Resources
Mitigation Monitoring for the
Metcalf Energy Center

MONTHLY COMPLIANCE REPORT #30

March 2004

Prepared by:

CH2M HILL

2485 Natomas Park Drive, Suite 600

Sacramento, California 95833

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

March 2004

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APPENDICES

- A) Cumulative Wildlife Species Observed in or Near the Project Area
- B) Wildlife Observation Forms
- C) WEAT Sign-ins
- D) Photographs

INTRODUCTION

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

- A 230-kilovolt (kV) switchyard and approximately 240 feet of new 230-kV transmission line that will loop into the existing Pacific Gas and Electric (PG&E) 230-kV Metcalf-Monta Vista No. 4 transmission on Tulare Hill.
- An approximately 1 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 1000-foot water pipeline from a tap into a new South Bay Water Recycling Program's (SBWR) pipeline 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 acres of agricultural land.
- Two temporary construction laydown yards totaling 24.8-acres are located in agricultural land south of the MEC site.

The project was designed to avoid significant adverse impacts to sensitive biological resources to the furthest extent feasible. Mitigation measures were developed through consultation with the U. S. Fish and Wildlife Service (USFWS), U. S. Army Corps of Engineers (Corps), National Marine Fisheries Service (NMFS), California Department of Fish and Game (CDFG), and the San Francisco Bay Regional Water Quality Control Board (Water 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 available 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 March 2004.

MONITORED MITIGATION MEASURES

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

Conditions of Certification (COC) BIO-1 through BIO-13 were in compliance during March 2004.

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

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

All activities complied with conditions described in the NMFS BO. Work near Coyote Creek, where NMFS has jurisdiction over anadromous fish (salmon and steelhead), will likely occur in the summer 2004.

The Biological Monitor was available throughout the month to respond to biological issues as needed. March activities are described in the following section.

SUMMARY OF ACTIVITIES

This report includes project activities that took place during March 2004. March activities included continued site construction and presentation of the Worker Environmental Awareness Training (WEAT) program to project personnel. The following provides a description of these activities. A cumulative wildlife species list is included in Appendix A. Wildlife Observation forms are included in Appendix B. WEAT sign-in sheets are included in Appendix C. Relevant photographs are included in Appendix D. The Biological Monitor completes daily logs summarizing activities, personal interactions, and observations. These logs are available on request.

Site Construction

March MEC main site construction included ongoing excavation for and installation of underground utilities, and continued installation of concrete foundations. In addition, aboveground infrastructure including Heat Recovery Steam Generator (HRSG) Ducts were installed. These activities will continue in April 2004.

The Biological Monitor visited the site weekly to inspect all construction activities. Monitoring visits focused on ensuring that work complied with all CEC biological COCs and to determine future monitoring needs. All construction related activity occurred in previously disturbed areas and remained outside the Fisher Creek riparian corridor.

Underground Utilities

During March, excavation continued for the installation of underground utilities on the MEC main site. Utilities included pipe for various waterlines, and electrical conduit. Utilities were installed in open trenches and excavations, of which some were back-filled with concrete and/or soil. Utility installation will continue in April 2004.

Open excavations include sloped escape ramps and conduit ends were capped to prevent wildlife entry. Site personnel are instructed to notify the Biological Monitor immediately should wildlife become trapped in any open excavation.

On March 26th, construction personnel discovered a snake in the bottom of an open concrete manhole on the MEC main site. The snake was removed from the manhole and released unharmed into the Fisher Creek riparian corridor. An associated Wildlife Observation Form is included in Appendix B.

Due to heavy rainfall, many open trenches were inundated with stormwater, necessitating dewatering. Several portable trash pumps were used to move stormwater from areas within the main site to the stormwater retention basin and other non-sensitive areas. Water was not discharged into any sensitive resources, including Fisher Creek.

Concrete Foundations

March activities included continued installation of permanent concrete foundations to support heavy structures (e.g. HRSG ducts, CTGs). Associated activities included installation of concrete forms and rebar, and pouring concrete. Concrete foundation installation will continue in April 2004.

All concrete mixer trucks were cleaned in the designated concrete washout prior to leaving the project site.

Aboveground Infrastructure

Throughout March, aboveground infrastructure (e.g. HRSG Ducts) was installed atop concrete foundations. These structures were transported onto the main site from their storage location on the north and south laydown yards. Aboveground infrastructure installation will likely continue in April 2004.

Calpine's Environmental Compliance Manager contacted the Biological Monitor on March 25th regarding potential bird nesting activity on the Steam Turbine Generator foundation. The Compliance Manager and Archaeological Monitor observed sparrow-sized birds flying into the open end of an electrical conduit installed in the foundation. The Biological Monitor checked the conduit for nesting activity. None was observed. The Biological Monitor will continue to perform periodic checks for nesting activity in all project areas throughout the bird nesting season. Active nests will be protected until eggs have hatched and young have fledged.

WORKER ENVIRONMENTAL AWARENESS TRAINING

The WEAT program was developed exclusively for the MEC project. Program materials include a handbook, video, and poster. As required by COC BIO-6 from the CEC *Commission Decision*, all new employees must attend the WEAT program.

Ninety-eight personnel received WEAT training during March for a total of 1056 employees trained at MEC. A Calpine Site Safety Officer administered the WEAT training to all new March employees. A list of March WEAT attendees is included in Appendix C. Signed affidavits are kept on file by Calpine's Compliance Manager.

GENERAL NOTES AND OBSERVATIONS

March activities were confined to previously disturbed areas. The Biological Monitor's duties were limited accordingly. These duties will likely remain limited until construction moves into previously undisturbed areas or within the vicinity of sensitive biological resources.

Compliance with the MEC Stormwater Pollution Prevention Plan (SWPPP) continues to remain critical during the rainy season. Calpine personnel continue to perform periodic SWPPP compliance inspections of project BMPs. The Biological Monitor will continue to aid the Calpine Environmental Compliance Manager in site preparation for rain events and ensure installed BMPs are in good repair and are functioning properly.

APPENDIX A

**Cumulative Wildlife Species Observed In or Near the
Project Area**

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to March 31, 2004)**

Common Name	Scientific Name	Location
INSECTS		
Bay checkerspot butterfly	<i>Euphydras editha</i> spp. <i>Bayensis</i>	TH
Cabbage white butterfly	<i>Pieris rapae</i>	EC
Anise swallowtail butterfly	<i>Papilio zelicaon</i>	TH
Buckeye butterfly	<i>Precis coenia</i>	TH
Painted lady butterfly	<i>Vanessa cardui</i>	EC
Opler's longhorn moth	<i>Adela oplerella</i>	TH
Tarantula	<i>Eurypelma californicum</i>	TH
AMPHIBIANS AND REPTILES		
Pacific tree frog	<i>Hyla regilla</i>	TH, FC, EC
Arboreal salamander	<i>Aneides lugubris</i>	TH, EC
Western fence lizard	<i>Sceloporus occidentalis</i>	EC, TH, LA, FC
Side-blotched lizard	<i>Uta stansburiana</i>	EC
Southern alligator lizard	<i>Elgaria multicarinata</i>	EC, TH
Western skink	<i>Eumeces skiltonianus</i>	TH
Gopher snake	<i>Pituophis melanoleucus</i>	EC, LA, FC
BIRDS		
Pied-billed grebe	<i>Podilymbus podiceps</i>	FC, CC
American white pelican	<i>Pelecanus erythrorhynchos</i>	EC*
Double-crested cormorant	<i>Phalacrocorax auritus</i>	CC*
Canada goose	<i>Branta canadensis</i>	EC*, CC
Mallard	<i>Anas platyrhynchos</i>	FC, CC
Gadwall	<i>Anas strepera</i>	FC
Wood duck	<i>Aix sponsa</i>	FC, CC
Common merganser	<i>Mergus merganser</i>	FC
Hooded merganser	<i>Lophodytes cucullatus</i>	FC
American coot	<i>Fulica americana</i>	FC, CC
Great blue heron	<i>Ardea herodias</i>	FC
Green heron	<i>Butorides virescens</i>	FC, CC
Great egret	<i>Casmerodius albus</i>	FC
Snowy egret	<i>Egretta thula</i>	FC
Turkey vulture	<i>Cathartes aura</i>	EC*, TH, LA
Killdeer	<i>Charadrius vociferus</i>	LA, LEA*, EC
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
CR = Coyote Ridge		TL = Transmission Line Corridor
EC = Metcalf Energy Center Plant Site		WL = Water Line Corridor
FC = Fisher Creek Riparian Corridor		LEA = Laydown expansion area
GP = Gas Pipeline Corridor		LA = Laydown Area
		CTP = Construction Trade Parking Lot
Notes:		
* Flyover or otherwise not utilizing area resources		Species in bold were recorded for the first time this month.
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to March 31, 2004) (Continued)**

Common Name	Scientific Name	Location
BIRDS (continued)		
White-tailed kite	<i>Elanus caeruleus</i>	FC
Northern harrier	<i>Circus cyaneus</i>	FC, TH
Golden eagle	<i>Aquila chrysaetos</i>	TH
Osprey	<i>Pandion heliaetus</i>	CC*, TH, EC, FC
Sharp-shinned hawk	<i>Accipiter striatus</i>	FC, TH
Cooper's hawk	<i>Accipiter cooperii</i>	CC, EC*, FC
Red-shouldered hawk	<i>Buteo lineatus</i>	EC, FC, LA, CC, LEA
Red-tailed hawk	<i>Buteo jamaicensis</i>	EC, FC, GP, TH, TL, CC
American kestrel	<i>Falco sparverius</i>	EC, TH
Prairie falcon	<i>Falco mexicanus</i>	TH
California quail	<i>Callipepla californica</i>	CC, GP
Spotted sandpiper	<i>Actitis macularia</i>	FC
Mourning dove	<i>Zenaida macroura</i>	EC, FC, TH, TL, CC
Rock dove	<i>Columba livia</i>	EC*, TH*
Anna's hummingbird	<i>Calypte anna</i>	TH, CC
Hummingbird sp.		EC, TH, FC
Belted kingfisher	<i>Ceryle alcyon</i>	FC, EC*, CC
Northern flicker	<i>Colaptes auratus</i>	EC, FC, TH
Nuttall's woodpecker	<i>Picoides nuttallii</i>	FC, FC**(nest), EC
Downy woodpecker	<i>Picoides pubescens</i>	EC, FC
Black phoebe	<i>Sayornis nigricans</i>	EC, FC, TL, LEA, CC
Say's phoebe	<i>Sayornis saya</i>	LEA
Western scrub-jay	<i>Aphelocoma californica</i>	EC, FC, LEA, CC
Common raven	<i>Corvus corax</i>	EC, TH, FC, CC
Horned lark	<i>Eremophila alpestris</i>	TH
Cliff swallow	<i>Petrochelidon pyrrhonotta</i>	FC, FC**(nest), EC, TL
Barn swallow	<i>Hirundo rustica</i>	EC, LEA
Oak titmouse	<i>Baeolophus inornatus</i>	FC, CC
Chestnut-backed chickadee	<i>Poecile rufescens</i>	FC
Bushtit	<i>Psaltriparus minimus</i>	EC, FC, FC**(nest), GP, TL, CC
White-breasted nuthatch	<i>Sitta carolinensis</i>	FC
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
CR = Coyote Ridge		TL = Transmission Line Corridor
EC = Metcalf Energy Center Plant Site		WL = Water Line Corridor
FC = Fisher Creek Riparian Corridor		LEA = Laydown expansion area
GP = Gas Pipe Line Corridor		LA = Laydown Area
		CTP = Construction Trade Parking Lot
Notes:		
* Flyover or otherwise not utilizing area resources		Species in bold were recorded for the first time this month
** Non-active sign (i.e. carcass, feather, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to March 31, 2004) (Continued)**

Common Name	Scientific Name	Location
BIRDS (CONTINUED)		
Bewick's wren	<i>Thryomanes bewickii</i>	FC, TH, CC
Rock wren	<i>Salpinctes obsoletus</i>	FC, TH
Ruby-crowned kinglet	<i>Regulus calendula</i>	TH, FC, CC
Northern mockingbird	<i>Mimus polyglottos</i>	EC, FC
Western bluebird	<i>Sialia mexicana</i>	FC, CC, EC, LEA
American robin	<i>Turdus migratorius</i>	LA, EC, CC
Loggerhead shrike	<i>Lanius ludovicianus</i>	TH, FC, EC
Western kingbird	<i>Tyrannus verticalis</i>	CC
European starling	<i>Strunus vulgaris</i>	LEA, FC, EC
Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>	EC
California towhee	<i>Pipilo crissalis</i>	EC, TH, FC, CC
Dark-eyed junco	<i>Junco hyemalis</i>	FC, TH, CC
White-crowned sparrow	<i>Zonotrichia leucophrys</i>	EC, FC, TH, CC
Song sparrow	<i>Melospiza melodia</i>	EC, LA, LEA, FC
Yellow-rumped warbler	<i>Dendroica magnolia</i>	TH, FC, CC
Western meadowlark	<i>Sturnella neglecta</i>	EC, LA, TH
Red-winged blackbird	<i>Agelaius phoeniceus</i>	FC
Brewer's blackbird	<i>Euphagus cyanocephalus</i>	FC, EC, CC
Bullock's oriole	<i>Icterus bullockii</i>	FC, FC**(nest), CC
House finch	<i>Carpodacus mexicanus</i>	EC, LA**, CC, FC
American goldfinch	<i>Carduelis tristis</i>	LEA
Lesser goldfinch	<i>Carduelis psaltria</i>	EC, FC, CC, TH
House sparrow	<i>Passer domesticus</i>	EC, FC, CC
MAMMALS		
Common raccoon	<i>Procyon lotor</i>	FC**(track)
Striped skunk	<i>Mephitis mephitis</i>	TH**(track)
Opossum	<i>Didelphis marsupialis</i>	EC
Coyote	<i>Canis latrans</i>	TH
Feral cat	<i>Felis catus</i>	EC
Bobcat	<i>Lynx rufus</i>	CC** (carcass)
California ground squirrel	<i>Spermophilus beechyi</i>	EC, FC, TH, TL
Western gray squirrel	<i>Sciurus griseus</i>	FC
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tulare Hill Ecological Preserve
CR = Coyote Ridge		TL = Transmission Line Corridor
EC = Metcalf Energy Center Plant Site		WL = Water Line Corridor
FC = Fisher Creek Riparian Corridor		LEA = Laydown expansion area
GP = Gas Pipe Line Corridor		LA = Laydown Area
		CTP = Construction Trade Parking Lot
Notes:		
* Flyover or otherwise not utilizing area resources		Species in bold were recorded for the first time this month
** Non-active sign (i.e. carcass, feathers, nest, track)		

**Cumulative Wildlife Species Observed In or Near the Metcalf Energy Center Project
and Linear Facilities Area (May 2001 to March 31, 2004) (Continued)**

Common Name	Scientific Name	Location
MAMMALS (CONTINUED)		
Valley pocket gopher	<i>Thomomys bottae</i>	LA**(carcass)
California vole	<i>Microtus californicus</i>	FC, EC
Deer mouse	<i>Peromyscus maniculatus</i>	TH, EC
Norway Rat	<i>Rattus norvegicus</i>	EC
Common muskrat	<i>Ondatra zibethicus</i>	FC
Black-tailed jackrabbit	<i>Lepus californicus</i>	EC, TH, CTP
Feral pig	<i>Sus scrofa</i>	CC**(carcass)
Tule elk	<i>Cervus nannodes</i>	CR
Black-tailed deer	<i>Odocoileus hemionus</i>	FC, GP, CC
Location:		
CC = Coyote Creek Riparian Corridor		TH = Tule Hill Ecological Preserve
CR = Coyote Ridge		TL = Transmission Line Corridor
EC = Metcalf Energy Center Plant Site		WL = Water Line Corridor
FC = Fisher Creek Riparian Corridor		B/A = Laydown expansion area
GP = Gas Pipeline Corridor		LA = Laydown Area
		CTP = Construction Trade Parking Lot
Notes:		
* Flyover or otherwise not utilizing area resources.		Species in bold were recorded for the first time this month.
** Non-active sign (i.e. carcass, feather, nest, track).		

APPENDIX B

Wildlife Observation Forms

Figure B-1. Wildlife Observation Form

WILDLIFE OBSERVATION FORM	
To Record Animals Found In Marcali Energy Center Project Areas	
To be filled out by personnel who find active nest sites and burrows, dens, and dead or injured wildlife, or other biological resources during daily construction activities.	
Name of employee:	Tom Burg
Date:	3/26/04
Location of observation:	MH-7 Bottom
Condition of wildlife:	alive <input checked="" type="checkbox"/> dead <input type="checkbox"/>
Species:	Snake
Possible cause of injury or death:	N/A
Where is the animal currently?	Released back into creek area
Is the resource in danger of project (or other) impacts?	No
Comments:	None
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 C

WEAT Sign-In Sheets

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 03.09.04

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	FOR OFFICE USE ONLY	
			BADGE NUMBER	EMPLOYEE ID NUMBER
Richard Stapleton	<i>Richard Stapleton</i>	Special Services Contract	---	00216
Michael STARKEY	<i>Michael Starkey</i>	SUPERHEAT FGH	168065	567
THOMAS BROWNE	<i>Thomas Browne</i>	SHEEDY	168066	568
John Spivak	<i>John Spivak</i>	SHEEDY	---	00217
ROBERTO J. BENARD	<i>Roberto J. Benard</i>	SHEEDY	168067	569
GREG DIGNER	<i>Greg Digner</i>	SHEEDY	---	00218
KENNETH KENNEDY	<i>Kenneth Kennedy</i>	" "	---	00219
Mike Coy	<i>Mike Coy</i>	Conco	---	00220
Dwayne Christensen	<i>Dwayne Christensen</i>	SSC	---	00221
SHANE RUTLEDGE	<i>Shane Rutledge</i>	SSC	168068	570

Instructor/s: *[Signature]*

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13

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 03.08.04

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	FOR OFFICE USE ONLY	
			BADGE NUMBER	EMPLOYEE ID NUMBER
Bill Gonzales	<i>Bill Gonzales</i>	TOP GRADE	16864	566
Robert Lanning	<i>Robert Lanning</i>	Dos, Ablesz	---	00208
Juan Vasquez	<i>Juan Vasquez</i>	CONCO	---	00209
Tony Sigala	<i>Tony Sigala</i>	LW AUBRY	---	00210
Joe Montoya	<i>Joe Montoya</i>	LW Aubry	---	00211
James Averill	<i>James Averill</i>	PSF	---	00212
James Averill	<i>James Averill</i>	PSF	---	00212
Marvin Thomas	<i>Marvin Thomas</i>	PSF	---	00213
James W. Ware	<i>James W. Ware</i>	PSF	---	00214
Daniel Clawson	<i>Daniel Clawson</i>	CMT (OC McD)	---	00215

Instructor/s: *Almonuel*

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 03.02.04

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	FOR OFFICE USE ONLY	
			BADGE NUMBER	EMPLOYEE ID NUMBER
PAUL E. FREDETTE	<i>Paul E. Fredette</i>	PSF	---	00184
Phillip Howe	<i>Phillip Howe</i>	PSF	---	00185
BENJAMIN EVANS	<i>Ben Evans</i>	PSF	---	00186
Steven (Pete) Mitchell	<i>Steven Mitchell</i>	(S.S.C.) PSF	16857	559
James K. Morgan	<i>James K. Morgan</i>	Sheedy Company	16858	560
Randy Stahl	<i>Randy Stahl</i>	Sheedy Company	---	001979
JESSE PALLAS	<i>Jesse Pallas</i>	SHEEDY	---	00198
ROD SCHULTZ	<i>E.R. Schultz</i>	PSF	16859	561
Will Evans	<i>Will Evans</i>	AUBRY	---	00199
Mike Stillman	<i>Mike Stillman</i>	Aubry	---	00200
Phil Peck	<i>Phil Peck</i>	Paleo Resource Consultants	16861	563
Noe GARZA	<i>Noe Garza</i>	SHEEDY	16860	562

Instructor/s: *[Signature]*

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 03.01.04

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	FOR OFFICE USE ONLY	
			BADGE NUMBER	EMPLOYEE ID NUMBER
LOUIS B Gonzales	<i>Louis B Gonzales</i>	PSF	—	00187
FRANK CARSON JR	<i>Frank Carson Jr</i>	PSF	—	00188
KEVIN B. O'DELL	<i>Kevin B O'Dell</i>	SUPERIOR/FGH	110855	557
JOHN LEARY	<i>John Leary</i>	PSF	—	00189
Wesley Ross	<i>Wesley Ross</i>	LW Aubry	—	00190
Sal Parisi	<i>Sal Parisi</i>	Aubry	—	00191
Rick GANZ	<i>Rick Ganz</i>	L.W.A.	—	00192
STAN ROSS	<i>Stan Ross</i>	L.W. AUBRY	—	00193
Dan Smith	<i>Dan Smith</i>	Lloyd Aubry	—	00194
JEFF KIZER	<i>Jeff Kizer</i>	LLOYD AUBRY	—	00195
MARVIN Jones	<i>Marvin Jones</i>	STEDDY/Caroline	110856	558
Michael Koch	<i>Michael Koch</i>	MORRIS TRUK	—	00196

Instructor/s: *M. M. M.*

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 03.15.04

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	FOR OFFICE USE ONLY	
			BADGE NUMBER	EMPLOYEE ID NUMBER
Gabriel Hernandez	<i>Gabriel Hernandez</i>	Alamir's steel	—	00224
STEVE L. ROSIE	<i>Steve L. Rosie</i>	L. AVOYAN	—	00225
JOHN R. SALWASSER	<i>John R. Salwasser</i>	Aubry	—	00226
Celestino Becerra	<i>Celestino Becerra</i>	Aubry	—	00227

Instructor/s: *[Signature]*

METCALF ENERGY CENTER ENVIRONMENTAL TRAINING SIGN-IN SHEET

(Biology, Archaeology, & Paleontology)

Date: 03.16.04

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	FOR OFFICE USE ONLY	
			BADGE NUMBER	EMPLOYEE ID NUMBER
ROGER IKER	<i>Roger Iker</i>	P.S.F.	—	00228
DAVID ANDREWS	<i>David Andrews</i>	P.S.F.	—	00229
JOHN GALLEGOS	<i>John Gallegos</i>	ALUMA SYSTEMS	16870	572
JERRY BELCHER	<i>Jerry Belcher</i>	AVS	16871	573
RICK FELL	<i>Rick Fell</i>	HUS	—	00230
EVERETT POWELL	<i>Everett Powell</i>	AVS	—	00231
STEPHEN DENNICH	<i>Stephen Dennich</i>	A.V.S.	—	00232
PEATON LONG	<i>Peaton Long</i>	AVS	16872	574
CIRILO CAMPOS	<i>Cirilo Campos</i>	POSED IN ELECTRICAL	—	00233
DENNIS DIMICK	<i>Dennis Dimick</i>	AUBRY	—	00234
MIKE BARNARD	<i>Mike Barnard</i>	AUBRY	—	00235
JOSIE F. MATHIAS	<i>Josie F. Mathias</i>	ALBARESE	—	00236
BRIAN FLYNN	<i>Brian Flynn</i>	MCDONALD	—	00237

Instructor/s: *[Signature]*

APPENDIX D

Photographs



Site Activity

CONDITION OF CERTIFICATION CUL-7
WEEKLY SCHEDULES

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

CONDITION OF CERTIFICATION PAL-4
PALEO MONTHLY SUMMARY REPORT

METCALF ENERGY CENTER
MONTHLY COMPLIANCE REPORT

**Metcalf Energy Center Project
Paleontological Resource Monitoring and Mitigation Program**

Monthly Report

Project Name: Metcalf Energy Center (MEC)

Project Number: 01-17

Clients: Calpine/CH2M Hill

Month: March 2004

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

Monthly Report for March 2004:

During the month of March 2004, PaleoResource Consultants (PRC) continued to work with Calpine Corporation through their environmental consultants, CH2M Hill, to mitigate potential adverse impacts to paleontological resources (fossils) which might result from construction of the Metcalf Energy Center (MEC) and associated linear facilities (including a natural gas pipeline, cooling-water supply line, and electrical transmission line) all located in south San Jose, California. In its Conditions of Certification (COCs) for MEC, the California Energy Commission (CEC) mandated that Calpine adopt Society of Vertebrate Paleontology (SVP) standard guidelines for the mitigation of construction-related adverse impacts on paleontological resources. In compliance with SVP standard guidelines, in November 2002 we recommended reducing paleontological monitoring at the MEC plant site to only deep excavations that would impact previously undisturbed sediment. The CEC Compliance Project Manager approved this reduced monitoring plan.

During March 2004, deep ground disturbance at the MEC plant site needing to be monitored included excavations for foundations of the steam generating turbine, demineralized water tank, gas compressor pump station, electrical conduit duct banks, and several deep manholes. These excavations were monitored by PRC paleontological resource monitors Phillip R. Peck or Brent J. Butler. Excavations were up to twelve (12) feet deep and disturbed engineered fill overlying up to eight (8) feet of interbedded alluvial sediments. Alluvial sediments consisted of dark brown clay overlying light brown to tan silty clay, sandy silt, silty sand, or well-sorted, cross-bedded, sandy to pebbly gravel. Occasional erratic cobbles of serpentine, red sandstone, and chert were found in these fine-grained alluvial sediments. No paleontological resources were discovered during monitoring. However, the depositional environment appears to be conducive to fossil accumulation and preservation.

No ground-disturbing activities occurred during March 2004 along the right-of-way of any of the off-site linear facilities. Excavations for the natural-gas pipeline, cooling-water pipeline, and electrical transmission line are not scheduled to start until next month. Full-time paleontological monitoring will be done at the beginning of excavations for each of these linear facilities. Then, in compliance with SVP standard guidelines, once one-half the excavations for each of these facilities is completed, if no significant fossils have been discovered, monitoring will be reduced to half-time, quarter-time, spot-checking, or suspended entirely. As startup of construction for these portions of the project nears, Calpine will contact PRC with specific dates.

Calpine Environmental Compliance Manager Kristen O'Kane continues to notify us regarding any scheduled excavations that would impact previously undisturbed sediments, asking if we think that paleontological monitoring is necessary. In most cases, since these excavations would only impact a few feet of undisturbed sediments and since paleontological resources have not previously been discovered at such shallow depths at MEC, we have responded that, in our professional opinion, no monitoring is necessary. However, PRC paleontological monitors are available and "on-call" to monitor or spot check deeper excavations at the MEC plant site or other earth-moving activities related to the MEC project.