

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



AUG 24 2009

Mr. Ron Adhya, P.E.
Regional Engineer
Federal Energy Regulatory Commission
901 Market Street, Suite 350
San Francisco, California 94103-1778

FERC Project No. 2100-CA
Eighth Part 12D Independent Consultant Safety Inspection

Dear Mr. Adhya:

The Department of Water Resources (DWR) sent a letter to Director Daniel Mahoney on June 11, 2009, regarding the eighth Part 12D Independent Consultant's five-year safety inspection report for Federal Energy Regulatory Commission (FERC) Project No. 2100. Included in this letter was a tentative schedule for inspection of the facilities. DWR has now confirmed that the inspection will take place the week of August 24, 2009.

Attached please find a detailed itinerary of the activities for the week. The schedule for our discussion and subsequent inspection is shown below.

August 24

DWR presentations to the Independent Consultants (DWR headquarters in Sacramento)

August 25

DWR presentation to the Independent Consultants continued (DWR headquarters in Sacramento until Noon)

Independent Consultants Field Inspection of Oroville-Thermalito Facilities (Oroville Field Division, Oroville-Thermalito Complex in the Afternoon)

August 26 – 28

Independent Consultants Field Inspection of Oroville-Thermalito Facilities (Oroville Field Division, Oroville-Thermalito Complex)



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If you have any questions or would like to discuss this further, please contact me at (916) 657-4963 or your staff may contact David Panec, Chief of DWR's Dam Safety Branch, at (916) 653-0772.

Sincerely,

A handwritten signature in black ink that reads "Henry M. Ramirez". The signature is written in a cursive style with a large, looping "z" at the end of the last name.

Henry M. Ramirez
Chief, Hydropower License Planning and Compliance
Executive Division

Enclosures



August 24-28, 2009

AGENDA

FERC PART 12D BOARD

OROVILLE COMPLEX, PROJECT 2100

August 24, 2009 to August 28, 2009

Monday, August 24, 2009

*Resources Building, O&M Headquarters, Conference Room 435
1416 Ninth Street, Sacramento*

0830 – 0840	Welcome the Board.....	Deputy Director
0840 – 0850	Welcome the Board.....	Division Chiefs
0850 – 0900	Introductions and Review Agenda (Lunch Orders and Money Collected).....	Panec (O&M)
0900 – 0915	Board's Role.....	Panec (O&M)
0915 – 0945	Status of 2005 Board Recommendations.....	Panec (O&M)
0945 – 1000	Status of River Outlet Valves.....	Panec (O&M)
1000 – 1030	Geology, Project 2100.....	Lamkin (DOE)
1030 – 1045	Break	
1045 – 1105	Seismic Update, Status and Approach.....	Tyler (DOE)
1105 – 1135	Seismicity Comments.....	Fraser (DSOD)
1135 – 1230	Break (Lunch Distributed)	
Lunch		
1230 – 1300	Thermalito Forebay Fault Study.....	Lamkin (DOE)
1300 – 1315	Monitoring Plans and Reporting, an overview.....	Walker (O&M)
1315 – 1330	Oroville Dam; Instrumentation, Performance, and Inspections.....	Dunlap (O&M)
1330 – 1345	Thermalito Diversion; Instrumentation, Performance, and Inspections.....	Dunlap (O&M)
1345 – 1400	Thermalito Forebay; Instrumentation, Performance, and Inspections.....	Dunlap (O&M)
1400 – 1415	Thermalito Afterbay; Instrumentation, Performance, and Inspections.....	Dunlap (O&M)
1415 – 1430	Fish Barrier; Instrumentation, Performance, and Inspections.....	Dunlap (O&M)
1430 – 1445	Break	
1445 – 1515	Safety of Dams Inspections and Findings.....	Pennington (DSOD)
1515 – 1530	Study Results; Oroville Emergency Spillway.....	Wehling (DOE)
1530 – 1600	Discussion.....	All



August 24-28, 2009

AGENDA

FERC PART 12D BOARD

OROVILLE COMPLEX, PROJECT 2100

Tuesday, August 25, 2009

*Resources Building, O&M Headquarters, Conference Room 435
1416 Ninth Street, Sacramento*

*Oroville Field Division, Oroville-Thermalito Complex
Butte County*

0830 – 0845	Welcome and Review Agenda.....	Panec (O&M)
0845 – 0905	Status; Testing of Oroville Spillway Gate Tendons.....	Carroll (O&M)
0915 – 0930	Oroville-Thermalito Complex; Work Completed.....	Samsam (O&M)
0930 – 0945	FMA Audit.....	Panec (O&M)
0945 – 1015	Discussion.....	All
1015 – 1030	Review Inspection Itinerary/Coordinate Travel.....	Walker (O&M)
1100 – 1400	Lunch and Travel to Fish Barrier Dam.....	Board, DWR Staff
1400 – 1430	Inspect Fish Barrier Dam	
	<u>Feather River Fish Barrier Dam, areas to inspect</u>	
	▪ Right Abutment	
	▪ Downstream Face	
1430 – 1500	Travel to Parish Camp Saddle Dam	
1500 – 1530	Inspect Parish Camp Saddle Dam	
	<u>Parish Camp Saddle Dam, areas to inspect</u>	
	▪ Embankment Crest	
	▪ Upstream Face	
	▪ Downstream Face and Toe	
	▪ Abutments	
1530	Conclusion of Inspection for the day	

Lodging in Chico

Oxford Suites



August 24-28, 2009

AGENDA FERC PART 12D BOARD OROVILLE COMPLEX, PROJECT 2100

Wednesday, August 26, 2009

*Oroville Field Division, Oroville-Thermalito Complex
Butte County*

0730 Meet at Oroville Field Division Headquarters.....Board and DWR Staff

0800 – 1200 Inspect Oroville Dam

Oroville Dam, order of inspection (morning)

- Embankment Crest
- Spillway: gate deck, gates hoists
- Emergency Spillway
- Radial Gates, Spillway Chute, Dentates
- Radial Gates: Trunions
- Intake Structure
- Downstream Face (cross to House T)
- House T
- Palermo Outlet (*Confined Space*)

1200 – 1300 Lunch

1300 – 1700 Inspect Oroville Dam

Oroville Dam, areas to inspect (afternoon)

- Right Grout Gallery (enter at d/s right abutment)
- Core Block: Station S, Sump Pumps
- Hyatt Power Plant
- Shuttle from Hyatt Power Plant to Left Grout Gallery Entrance
- Left Grout Gallery (enter at d/s left abutment, exit through Hyatt Power Plant)
- Embankment Toe

1700 – Inspection of Oroville Dam complete.



August 24-28, 2009

AGENDA FERC PART 12D BOARD OROVILLE COMPLEX, PROJECT 2100

Thursday, August 27, 2009

*Oroville Field Division, Oroville-Thermalito Complex
Butte County*

0800 Meet at Oroville Field Division Headquarters.....Board and DWR Staff

0830 – 0930 Inspect Bidwell Canyon Saddle Dam

Bidwell Canyon Saddle Dam, areas to inspect

- West Embankment; Crest, Downstream Toe, Upstream Toe
- Main Embankment; Crest, Downstream Toe, Upstream Toe

0930 – 1000 Travel to Thermalito Diversion Dam

1000 – 1200 Inspect Thermalito Diversion Dam/Power Canal

Thermalito Diversion Dam/Power Canal, order of inspection (morning)

- Crest
- Gate Hoists
- Left abutment
- Power Plant
- Grout Gallery

- Power Canal Radial Gates
- Power Canal, left embankment
- Power Canal, right embankment

1200 – 1300 Lunch

1300 – 1700 Inspect Thermalito Forebay Dam

Thermalito Forebay Dam, order of inspection (afternoon)

- Crest; Ruddy Creek, Low embankment, Main embankment
- Headworks, Intake, Radial Gate
- Grout Gallery
- Power Plant
- Toe Drain
- Embankment Toe

1700 – Conclusion of Inspection for the day



August 24-28, 2009

AGENDA FERC PART 12D BOARD OROVILLE COMPLEX, PROJECT 2100

Friday, August 28, 2009

*Oroville Field Division, Oroville-Thermalito Complex
Butte County*

0800 Meet at Oroville Field Division Headquarters.....Board and DWR Staff

0830 – 1200 Inspect Thermalito Afterbay

Thermalito Afterbay Dam, order of inspection

- River Outlet; Radial Gates
- Crest
- Turnouts
- Saddle Dam
- Toe; toe drains, groundwater wells

1200 – 1300 Lunch

1300 – Conclusion of Inspection

Adjournment