



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

June 6, 2011

FAXOGRAM: Water Order Change

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota
Attention: F-6001
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado
Attention: J-4120
Facilities Manager, Hardin, Montana
Attention: MT-300: Tom Tauscher
Project Manager, Mills, Wyoming
Attention: WY-4000, WY-4100, WY-6400
Assistant Superintendent, National Park Service, Lovell, Wyoming
Attention: Valerie Newman

From: Reservoir and River Operations, Billings, Montana

Subject: **Yellowtail Water Release Order - BHR No. 11-54**

CURRENT RESERVOIR CONDITIONS (June 6, 2011; 2:00 p.m.)

Elevation: 3631.46 Storage: 925,055 acre-feet; River Release: 15,000 cfs; Inflow: 14,100 cfs;

GENERAL COMMENTS:

Western Area Power Administration has requested a reduction in power generation to comply with transmission restrictions on the Yellowtail South transmission system cut plane. In response, the following operation change is required at Yellowtail Dam and Powerplant to control reservoir storage and continue preparing for the anticipated snowmelt runoff.

YELLOWTAIL TURBINE RELEASE:

At 0600 hour on Friday, June 10, 2011:

Decrease average daily turbine release to 3,140 cfs (\approx 2,400 MW-Hrs/day using 31.4 cfs/mw).

At 2000 hour on Friday, June 10, 2011:

Increase average daily turbine release to 5,750 cfs (\approx 4,395 MW-Hrs/day using 31.4 cfs/mw).

YELLOWTAIL BYPASS RELEASE:

At 0600 hour on Friday, June 10, 2011:

Increase releases through the spillway gates to 11,790 cfs.

At 2000 hour on Friday, June 10, 2011:

Decrease releases through the spillway gates to 9,180 cfs.

AFTERBAY RELEASE AND OPERATION:

At 0600 hour on Friday, June 10, 2011:

Maintain diversions to the bighorn Canal at 0 cfs.

Maintain river release at 15,000 cfs (gage height = 65.39 with 0.0 shift).

Maintain total release from the Afterbay at 15,000 cfs.

At 2000 hour on Friday, June 10, 2011:

Maintain diversions to the bighorn Canal at 0 cfs.

Maintain river release at 15,000 cfs (gage height = 65.39 with 0.0 shift).

Maintain total release from the Afterbay at 15,000 cfs.

SPECIAL AFTERBAY OPERATION REQUIREMENT:

Maintain the level of the Afterbay at or above elevation 3187.4 until further notice.

/S/ Tim H. Felchle