



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

April 7, 2014

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-6040
Assistant Superintendent, National Park Service, Lovell, Wyoming
Attention: Valerie Newman

From: Reservoir and River Operations, Billings, Montana /s/ Clayton R. Jordan

Subject: **Yellowtail Water Release Order - BHR No. 14-34**

CURRENT RESERVOIR CONDITIONS

Elevation: 3615.32; Storage: 796,694 acre-feet; River Release: 6,500 cfs; Inflow: 4,760 cfs;

GENERAL COMMENTS

An inspection and flushing of the Yellowtail Dam spillway tunnel will be conducted on Wednesday, April 9, 2014. A maximum tailrace elevation of 3181.0 feet is required during the inspection.

Annual maintenance of the Yellowtail Afterbay Dam sluiceway gates is scheduled for April 14 through April 25, 2014. The Yellowtail Afterbay Reservoir level must be maintained above elevation 3186.0 feet during 0800 hour on Monday, April 14 through 1700 hour on Friday, April 25, 2014, to maintain all river flows through the radial gates.

In response, the following operations are required at Yellowtail Dam and Powerplant and Yellowtail Afterbay Dam.

SPECIAL NOTE: As described in Yellowtail Water Release Order BHR No. 13-29, the Yellowtail Dam tailrace elevation must be maintained no higher than elevation 3190.0 feet.

YELLOWTAIL BYPASS RELEASE

At approximately 1200 hour on Wednesday, April 9, 2014:

Initiate a release through the spillway to 3,000 cfs then gradually close the spillway gates. Releases will be increased and decreased in 500 cfs increments.

YELLOWTAIL TURBINE RELEASE

At 1200 hour on Wednesday, April 9, 2014:

Maintain average daily turbine release at 6,430 cfs (\approx 4,650 MW-Hours/day using 33.2 cfs/mw).

AFTERBAY RELEASE AND OPERATION

At 1200 hour on Wednesday, April 9, 2014:

Maintain diversions to the Bighorn Canal at 0 cfs.

Maintain river release at 6,500 cfs (maintain the gage height at 62.16 and with a +0.22 shift).

Maintain total release from the Afterbay at 6,500 cfs.

SPECIAL OPERATIONS

During 0800 hour through 1200 hour on Wednesday, April 9, 2014:

Maintain the Yellowtail Afterbay Reservoir at or below 3181.0 feet.

During 0800 hour on Monday, April 14, 2014 through 1700 hour on Friday, April 25, 2014:

Maintain the Yellowtail Afterbay Reservoir between elevation 3186.0 and 3190.0 feet.