



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 26, 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. 14-59**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3632.21; Storage: 932,414 acre-feet; River Release: 2,540 cfs; Inflow: 6,700 cfs;

GENERAL COMMENTS:

The BIA has requested a shutdown of the Bighorn Canal for repairs. The total release from the Yellowtail Afterbay will be maintained with an increase in releases to the Bighorn River. In response, the following operations are required at Yellowtail Dam and Powerplant and Yellowtail Afterbay Dam.

SPECIAL NOTE: To provide the proper mixing of water releases to the Bighorn River in attempt to minimize PSAT levels, it is desirable to maintain the Yellowtail Afterbay Reservoir between a maximum elevation of 3192.0 feet and a minimum elevation of 3183.6 feet and provide a mixing flow of approximately 75% through the spillway gates and 25% through the sluice gates, plus or minus 10%.

YELLOWTAIL TURBINE RELEASE:

At 1430 hour on Thursday, June 26, 2014:

Maintain average daily turbine release at 2,795 cfs (\approx 1,990 MW-Hours/day using 33.7 cfs/mw).

Restrict and limit turbine release to 3-unit capacity.

AFTERBAY RELEASE AND OPERATION:

At 1430 hour on Thursday, June 26, 2014:

Decrease diversions to the Bighorn Canal to 0 cfs.

Increase river release to 2,865 cfs (gage height = 60.94 with a -0.65 shift).

Maintain total release from the Afterbay at 2,865 cfs.