



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

August 21, 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. 14-81**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3639.73; Storage: 1,017,183 acre-feet; River Release: 2,625 cfs; Inflow: 2,865 cfs;

GENERAL COMMENTS:

Recent streamflow measurements indicate actual river flows are lower than anticipated. To adjust for the variation in river flow, the following operations are required at Yellowtail Dam and Powerplant and Yellowtail Afterbay Dam, applying a new shift as shown below.

YELLOWTAIL TURBINE RELEASE:

At 1000 hour on Thursday, August 21, 2014:

Maintain average daily turbine release at 2,930 cfs (\approx 2,100 MW-Hours/day using 33.5 cfs/mw).

Due to major unit re-wind project, restrict and limit turbine release to 3-unit capacity.

AFTERBAY RELEASE AND OPERATION:

At 1000 hour on Thursday, August 21, 2014:

Maintain diversion to the Bighorn Canal at 375 cfs (gage height = 74.23 with -1.23 shift).

Maintain river release at 2,625 cfs (increase gage height to 60.85 and apply a new shift of -0.75).

Maintain total release from the Afterbay at 3,000 cfs.

Special Note: To allow for all water releases from the Afterbay through the spillway radial gates to the Bighorn River, the level of the Afterbay must be maintained between elevation 3186.0 and 3190.0 at all times.