



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 25, 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/ Tim H. Felchle

Subject: **Yellowtail Water Release Order - BHR No. 14-82**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3640.31; Storage: 1,004,495 acre-feet; River Release: 2,625 cfs; Inflow: 4,230 cfs;

GENERAL COMMENTS:

Recent rains have caused steamflows to increase and fill Yellowtail Dam into the exclusive flood pool. Therefore releases from Yellowtail Dam will be increased to evacuate storage out of the exclusive flood pool. The BIA has also requested a decrease in diversions to the Bighorn Canal. In addition, due to algae growth streamflow measurements indicate actual river flows are lower than anticipated. In response, following operations are required at Yellowtail Dam and Powerplant and Yellowtail Afterbay Dam.

YELLOWTAIL TURBINE RELEASE:

At 1600 hour on Monday, August 25, 2014:

Increase average daily turbine release to 3,255 cfs (\approx 2,230 MW-Hours/day using 35.0 cfs/mw).

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

AFTERBAY RELEASE AND OPERATION:

At 1600 hour on Monday, August 25, 2014:

Decrease diversion to the Bighorn Canal to 325 cfs (gauge height = 73.89 with -1.23 shift).

Increase river release to 3,000 cfs (increase gauge height to 61.32 and apply a new shift of -0.93).

Increase total release from the Afterbay to 3,325 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.