



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, 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. 11-86**

CURRENT RESERVOIR CONDITIONS (August 25, 2011; 8:00 a.m.)

Elevation: 3644.49 Storage: 1,080,755 acre-feet; River Release: 5,000 cfs; Inflow: 3,000 cfs;

GENERAL COMMENTS:

Inflows into Bighorn Lake continue to slowly decrease. In response, releases to the Bighorn River will also be decreased to slow the evacuation rate of flood storage in Bighorn Lake.

YELLOWTAIL TURBINE RELEASE:

At 1600 hour on Thursday, August 25, 2011:

Decrease average daily turbine release to 4,855 cfs (\approx 3,780 MW-Hrs/day using 30.8 cfs/mw).

At 1600 hour on Monday, August 29, 2011:

Decrease average daily turbine release to 4,355 cfs (\approx 3,390 MW-Hrs/day using 30.8 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1600 hour on Thursday, August 25, 2011:

Maintain diversions to the Bighorn Canal at 425 cfs (gage height = 74.60 with -0.63 shift).

Decrease river release to 4,500 cfs (gage height = 61.78 with -0.42 shift).

Maintain total release from the Afterbay at 4,925 cfs.

At 1600 hour on Monday, August 29, 2011:

Maintain diversions to the Bighorn Canal at 425 cfs (gage height = 74.60 with -0.63 shift).

Decrease river release to 4,000 cfs (gage height = 61.48 with -0.42 shift).

Decrease total release from the Afterbay to 4,425 cfs.

SPECIAL AFTERBAY OPERATION REQUIREMENT:

Maintain the level of the Afterbay at or above elevation 3184.5 until further notice. It is also important to maintain the river stage within +/- 0.06 feet of the river stage set point value.

/S/ Tim H. Felchle