



IN REPLY REFER TO: MT-450

United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



October 14, 2010

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: Jim Staebler

From: Reservoir and River Operations, Billings, Montana

Subject: **Yellowtail Water Release Order - BHR No. 11-06**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3628.35 Storage: 943,958 acre-feet; River Release: 2,370 cfs; Inflow: 2,560 cfs;

GENERAL COMMENTS:

Reclamation has observed some inconsistencies in the river stage and discharge relationships. Until such time the cause of these discrepancies are identified, the automated gate control system will be discontinued and the releases to the Bighorn River will be maintained at the desired rates using the previous float control system. In response the following operations are required at Yellowtail Dam and Afterbay.

YELLOWTAIL TURBINE RELEASE:

At 1315 hour on Thursday, October 14, 2010:

Maintain average daily turbine release at 2,300 cfs (\approx 1,865 MW-Hrs/day using 29.6 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1315 hour on Thursday, October 14, 2010:

Maintain diversions to the Bighorn Canal at 0 cfs.

Maintain river release at 2,370 cfs (gage height = 61.70 with a -1.80 shift).

Maintain total release from the Afterbay at 2,370 cfs.

SPECIAL AFTERBAY OPERATION REQUIREMENT:

During 1315-1900 hour on Thursday, October 14, 2010:

Make every effort to maintain the level of the Afterbay between elevations 3173 and 3175 during the above installation of the water intake structure in the Afterbay.

Special Note of Attention:

At 1315 hour on October 14, all releases to the Bighorn River shall be released through the Afterbay sluiceway gates and shall continue through 0800 hour on Friday, October 15. No water will be released through the Afterbay Dam radial gates during this time.

/S/ Tim H. Felchle