



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 4, 2007

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
Area 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. 07-45**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3629.88; Storage: 958,369 acre-feet; River Release: 1,750 cfs; Inflow: 2,015 cfs;

GENERAL COMMENTS:

Recent streamflow measurements indicate river flows are actually lower than anticipated. In response, the following operation change is required at Yellowtail Dam and powerplant.

NOTE: This is the time period when fish are less affected by high levels of nitrogen gas super-saturation. Since mixing flows through the spillway gates and through the sluice gates is not required at this time, it is still desirable to provide a mixing flow of approximately 75% through the spillway gates and 25% through the sluice gates whenever the level of the Afterbay allows for the flows to be released through the spillway gates.

TURBINE RELEASES:

At 1800 hour on Thursday, October 4, 2007:

Maintain average daily turbine release at 1,680 cfs (\approx 865 MW-Hrs/day using 46.6 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1800 hour on Thursday, October 4, 2007:

Maintain diversions to Bighorn Canal at 0 cfs.

Maintain river release at 1,750 cfs (increase gage height to 59.72 & apply new shift of -0.38).

Maintain total release from the Afterbay at 1,750 cfs.

/S/ Tim H. Felchle