



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



December 1, 2006

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. 06-50**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3611.56; Storage: 813,259 acre-feet; River Release: 1,500 cfs; Inflow: 1,100 cfs;

GENERAL COMMENTS:

The annual maintenance on the government sewage lagoon that was previously scheduled for November 28-29 has been rescheduled for December 4-5 and will require the level of the Afterbay to be maintained no higher than elevation 3187.5. As a result, the following operation change is required.

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:

During 0800 hour on December 4, 2006 through 0900 hour on December 5, 2006:

Maintain average daily turbine release at 1,430 cfs (\approx 725 MW-Hrs/day using 47.3 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

During 0800 hour on December 4, 2006 through 0900 hour on December 5, 2006:

Maintain diversions to the Bighorn Canal at 0 cfs.

Maintain river release at 1,500 cfs (maintain gage height at 60.27 using shift of -1.20).

Maintain total release from the Afterbay at 1,500 cfs.

Note: *Maintain level of Afterbay no higher than elevation 3187.5 for maintenance of sewage lagoon.*

/S/ Tim H. Felchle