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United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



October 16, 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. 07-46**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3631.95; Storage: 978,790 acre-feet; River Release: 1,750 cfs; Inflow: 2,435 cfs;

GENERAL COMMENTS:

Annual maintenance will be performed on the government sewage lagoon during November 13-14 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 November 13, 2007 through 0900 hour on November 14, 2007:

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

AFTERBAY RELEASE AND OPERATION:

During 0800 hour on November 13, 2007 through 0900 hour on November 14, 2007:

Maintain diversions to the Bighorn Canal at 0 cfs.

Maintain river release at 1,750 cfs (maintain gage height at 59.72 using shift of -0.38).

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

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

/S/ Tim H. Felchle