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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 29, 2008

## **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. 09-05**

### **CURRENT RESERVOIR CONDITIONS:**

Elevation: 3639.40; Storage: 1,062,527 acre-feet; River Release: 2,500 cfs; Inflow: 2,175 cfs;

### **GENERAL COMMENTS:**

There are plans to initially reset the new radial gate position indicators installed on the Afterbay Dam radial gates. To allow for this work, the following operations and restrictions on the Afterbay 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 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 flows to be released through the spillway gates.

### **YELLOWTAIL TURBINE RELEASE:**

**Tuesday, November 4, 2008:**

*Maintain average daily turbine release at  $\approx 2,430$  cfs ( $\approx 1,780$  MW-Hrs/day using 32.8 cfs/mw).*

### **AFTERBAY RELEASE AND OPERATION:**

**Tuesday, November 4, 2008:**

*Maintain diversions to the Bighorn Canal at 0 cfs (gage height = 69.34 with -0.84 shift).*

*Maintain river release at 2,500 cfs (decrease gage height to 61.21 & apply new shift of -1.21).*

*Maintain total release from the Afterbay at 2,500 cfs.*

**Special Note:** During 0900-1700 hour on Tuesday, November 4, 2008, the level of the Afterbay must be maintained no higher than elevation 3179 to prevent any water from being released over the Afterbay spillway overflow weir. If work is completed ahead of schedule all restrictions regarding the level of the Afterbay will be removed at that time.

/S/ Tim H. Felchle