



# United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

September 12, 2011

## **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: Valerie Newman

From: Reservoir and River Operations, Billings, Montana

Subject: **Yellowtail Water Release Order - BHR No. 11-91**

### **CURRENT RESERVOIR CONDITIONS (September 12, 2011; 10:00 a.m.)**

Elevation: 3641.23 Storage: 1,036,337 acre-feet; River Release: 4,000 cfs; Inflow: 3,340 cfs;

### **GENERAL COMMENTS:**

With irrigation demands gradually decreasing, the BIA called and requested that diversions to the Bighorn Canal be gradually decreased. To continue evacuating flood storage in Bighorn Lake as planned, the following operation changes are required at Yellowtail Dam, Powerplant, and Afterbay.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1600 hour on Tuesday, September 13, 2011:**

*Decrease average daily turbine release to 4,030 cfs ( $\approx$  3,020 MW-Hrs/day using 32.0 cfs/mw).*

**At 1600 hour on Thursday, September 15, 2011:**

*Decrease average daily turbine release to 3,680 cfs ( $\approx$  2,760 MW-Hrs/day using 32.0 cfs/mw).*

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

**At 1600 hour on Tuesday, September 13, 2011:**

*Decrease diversions to the Bighorn Canal to 300 cfs (gage height = 73.89 with -0.82 shift).*

*Decrease river release to 3,800 cfs (gage height = 61.74 with -0.81 shift).*

*Decrease total release from the Afterbay to 4,100 cfs.*

**At 1600 hour on Thursday, September 15, 2011:**

*Decrease diversions to the Bighorn Canal to 250 cfs (gage height = 73.48 with -0.82 shift).*

*Decrease river release to 3,500 cfs (gage height = 61.55 with -0.81 shift).*

*Decrease total release from the Afterbay to 3,750 cfs.*

### **SPECIAL AFTERBAY OPERATION REQUIREMENT:**

**Maintain the level of the Afterbay at or above elevation 3183.5 until further notice. It is also important to maintain the river stage within +/- 0.06 feet of the river stage set point value.**

/S/ Tim H. Felchle