



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



July 7, 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. 11-69**

### **CURRENT RESERVOIR CONDITIONS (July 7, 2011; 10:00 a.m.)**

Elevation: 3648.40 Storage: 1,138,535 acre-feet; River Release: 8,500 cfs; Inflow: 12,500 cfs;

### **GENERAL COMMENTS:**

WAPA has agreed to increase generation at Yellowtail Powerplant beginning Monday, July 11, 2011. To control storage and assist the USACE with Flood Operations on the Missouri River Mainstem, the following operation change is required at Yellowtail Dam and Afterbay.

### **YELLOWTAIL TURBINE RELEASE:**

**At 0800 hour on Monday, July 11, 2011:**

*Increase average daily turbine release to 6,910 cfs ( $\approx$  5,880 MW-Hrs/day using 28.2 cfs/mw).*

### **YELLOWTAIL BYPASS RELEASE:**

**At 0800 hour on Monday, July 11, 2011:**

*Decrease releases through the river outlet gates to  $\approx$  1,920 cfs*

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

**At 0800 hour on Monday, July 11, 2011:**

*Maintain diversions to the Bighorn Canal at 400 cfs (gage height = 75.21 with -1.41 shift).*

*Maintain river release at 8,500 cfs (gage height = 63.22 with 0.0 shift).*

*Maintain total release from the Afterbay at 8,900 cfs.*

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

**Maintain the level of the Afterbay at or above elevation 3185.0 until further notice. It is also extremely important to maintain the river stage within +/- 0.06 feet of the river stage set point value.**

/S/ Tim H. Felchle