



# United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office



IN REPLY REFER TO:

MT-450

P.O. Box 30137

Billings, Montana 59107-0137

June 10, 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. 11-56**

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

Elevation: 3632.43 Storage: 934,612 acre-feet; River Release: 15,000 cfs; Inflow: 18,000 cfs;

### **GENERAL COMMENTS:**

WAPA called and reported the scheduled outage ended early. In addition, inflows into Bighorn Lake has increased to near 18,000 cfs. In response to the outage ending early and continue controlling reservoir storage and preparing for the anticipated snowmelt runoff, the following operation changes are required at Yellowtail Dam and Powerplant.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1500 hour on Friday, June 10, 2011:**

*Increase average daily turbine release to 5,750 cfs ( $\approx$  4,395 MW-Hrs/day using 31.4 cfs/mw).*

**At 1900 hour on Friday, June 10, 2011:**

*Maintain average daily turbine release at 5,750 cfs ( $\approx$  4,395 MW-Hrs/day using 31.4 cfs/mw).*

### **YELLOWTAIL BYPASS RELEASE:**

**At 1500 hour on Friday, June 10, 2011:**

*Decrease releases through the spillway gates to 9,180 cfs.*

**At 1900 hour on Friday, June 10, 2011:**

*Increase releases through the spillway gates to 9,680 cfs.*

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

**At 1500 hour on Friday, June 10, 2011:**

*Maintain diversions to the bighorn Canal at 0 cfs.*

*Maintain river release at 15,000 cfs (gage height = 65.39 with 0.0 shift).*

*Maintain total release from the Afterbay at 15,000 cfs.*

**At 1900 hour on Friday, June 10, 2011:**

*Maintain diversions to the bighorn Canal at 0 cfs.*

*Increase river release to 15,500 cfs (gage height = 65.53 with 0.0 shift).*

*Increase total release from the Afterbay to 15,500 cfs.*

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

**Maintain the level of the Afterbay at or above elevation 3187.5 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