



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



June 2, 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. 11-51**

### **CURRENT RESERVOIR CONDITIONS (June 2, 2011: 4:00 p.m.)**

Elevation: 3632.34 Storage: 933,712 acre-feet; River Release: 13,000 cfs; Inflow: 13,200 cfs;

### **GENERAL COMMENTS:**

Streamflows downstream of Yellowtail Dam continue to recede. To control reservoir storage and continue preparing for the anticipated snowmelt runoff, the following operation change is required at Yellowtail Dam and Powerplant. Recent streamflow measurements also indicated actual river flows were higher than anticipated. To adjust for the variation in streamflows, a new shift of 0.0 should be applied to the river gate height.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1730 hour on Thursday, June 2, 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 01730 hour on Thursday, June 2, 2011:**

*Increase releases through the spillway gates to 8,180 cfs.*

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

**At 1730 hour on Thursday, June 2, 2011:**

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

*Increase river release to 14,000 cfs (gage height = 65.09 with 0.0 shift).*

*Increase total release from the Afterbay to 14,000 cfs.*

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

**Maintain the level of the Afterbay at or above elevation 3187.0 until further notice.**

/S/ Tim H. Felchle