



# 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

October 31, 2013

## **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 /S/ Clayton R. Jordan

Subject: **Yellowtail Water Release Order - BHR No. 14-07**

### **CURRENT RESERVOIR CONDITIONS**

Elevation: 3640.37 feet; Storage: 1,025,259 acre-feet; River Release: 2,250 cfs; Inflow: 2,540 cfs;

### **GENERAL COMMENTS:**

Inflows into Bighorn Lake are averaging over 2,500 cfs and storage continues to increase. To slow and control the rate of fill of storage in Bighorn Lake, releases out of Yellowtail Dam will be increased. Recent streamflow data also indicate actual river flows are lower than anticipated. The following operation changes are required at Yellowtail Dam, Powerplant and Afterbay Dam.

**SPECIAL NOTE: To accommodate the maintenance of the Yellowtail Afterbay sluice gates, the Yellowtail Afterbay Reservoir level must be maintained between elevations 3186.0 and 3190.0 feet as indicated in Yellowtail Water Release Order BHR No. 14-05.**

### **YELLOWTAIL TURBINE RELEASE:**

**At 1600 hour on Thursday, October 31, 2013:**

*Increase average daily turbine release to 2,230 cfs ( $\approx$  1,290 MW-Hours/day using 41.5 cfs/mw).*

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

**At 1600 hour on Thursday, October 31, 2013:**

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

*Increase river release to 2,300 cfs (gage height = 60.42 and apply a new shift of -0.58).*

*Increase total release from the Afterbay to 2,300 cfs.*