



# 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

June 23, 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. 11-60 (Revision)**

### **CURRENT RESERVOIR CONDITIONS (June 23, 2011; 08:00 a.m.)**

Elevation: 3637.79 Storage: 993,524 acre-feet; River Release: 15,500 cfs; Inflow: 17,190 cfs;

### **GENERAL COMMENTS:**

Water Release Order BHR No. 11-60 has been revised as follows. The June-July water supply outlook for Boysen Reservoir has been re-evaluated and decreased. In response, releases out of Boysen Reservoir will be gradually decreased to 4,000 cfs. As a result, the following operation change is also required at Yellowtail Dam and Powerplant to continue controlling reservoir storage and prepare for the anticipated remaining snowmelt runoff.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1300 hour on Thursday, June 23, 2011:**

*Maintain average daily turbine release at 7,690 cfs ( $\approx$  5,880 MW-Hrs/day using 31.4 cfs/mw).*

### **YELLOWTAIL BYPASS RELEASE:**

**At 1300 hour on Thursday, June 23, 2011:**

*Decrease releases through the spillway gates to  $\approx$  6,240 cfs.*

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

**At 1300 hour on Thursday, June 23, 2011:**

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

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

*Decrease total release from the Afterbay to 14,000 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. In accordance with the Yellowtail Dam DOC, it is also important to maintain the Yellowtail Dam tailwater elevation below elevation 3190 when discharges through the river outlet gates exceed 4,000 cfs.**

/S/ Tim H. Felchle