



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 29, 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. 11-62**

### **CURRENT RESERVOIR CONDITIONS (June 29, 2011; 12:00 p.m.)**

Elevation: 3642.54 Storage: 1,053,726 acre-feet; River Release: 13,000 cfs; Inflow: 18,449 cfs;

### **GENERAL COMMENTS:**

The BIA has requested increases in diversions to the Bighorn Canal beginning today. To control the rate of fill of storage in Bighorn Lake and provide water for the Indian Irrigation Project, the following operations are required at Yellowtail Dam and Powerplant.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1400 hour on Wednesday, June 29, 2011:**

*Maintain average daily turbine release at 6,200 cfs ( $\approx$  5,280 MW-Hrs/day using 28.2 cfs/mw).*

**At 1530 hour on Wednesday, June 29, 2011:**

*Maintain average daily turbine release at 6,200 cfs ( $\approx$  5,280 MW-Hrs/day using 28.2 cfs/mw).*

**At 1700 hour on Wednesday, June 29, 2011:**

*Maintain average daily turbine release at 6,200 cfs ( $\approx$  5,280 MW-Hrs/day using 28.2 cfs/mw).*

### **YELLOWTAIL BYPASS RELEASE:**

**At 1400 hour on Wednesday, June 29, 2011:**

*Maintain releases through the spillway gates to  $\approx$  6,730 cfs.*

**At 1530 hour on Wednesday, June 29, 2011:**

*Maintain releases through the spillway gates to  $\approx$  6,730 cfs.*

**At 1700 hour on Wednesday, June 29, 2011:**

*Maintain releases through the spillway gates to  $\approx$  6,730 cfs.*

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

**At 1400 hour on Wednesday, June 29, 2011:**

*Increase diversions to the bighorn Canal to 50 cfs. (gage height = 70.33 with 0.0 shift).*

*Decrease river release to 12,950 cfs (gage height = 64.76 with 0.0 shift).*

*Maintain total release from the Afterbay to 13,000 cfs.*

**At 1530 hour on Wednesday, June 29, 2011:**

*Increase diversions to the bighorn Canal to 100 cfs (gage height = 71.11 with 0.0 shift).*

*Decrease river release to 12,900 cfs (gage height = 64.75 with 0.0 shift).*

*Maintain total release from the Afterbay to 13,000 cfs.*

**At 1700 hour on Wednesday, June 29, 2011:**

*Increase diversions to the bighorn Canal to 150 cfs (gage height = 71.70 with 0.0 shift).  
Decrease river release to 12,850 cfs (gage height = 64.73 with 0.0 shift).  
Maintain total release from the Afterbay to 13,000 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.**

/S/ Tim H. Felchle