



# 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

September 7, 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. 11-89**

### **CURRENT RESERVOIR CONDITIONS (September 7, 2011; 11:00 a.m.)**

Elevation: 3642.37 Storage: 1,051,436 acre-feet; River Release: 4,200 cfs; Inflow: 3,711 cfs;

### **GENERAL COMMENTS:**

The BIA has made a request to reduce canal flows to 350 cfs to accommodate this request and to continue evacuating flood storage in Bighorn Lake; the following operation changes are required at Yellowtail Dam, Powerplant, and Afterbay

### **YELLOWTAIL TURBINE RELEASE:**

#### **At 1000 hour on Thursday, September 8, 2011:**

*Decrease average daily turbine release to 4,480 cfs ( $\approx 3,392$  MW-Hrs/day using 31.7 cfs/mw).*

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

#### **At 1000 hour on Thursday, September 8, 2011:**

*Decrease diversions to the Bighorn Canal at 350 cfs (gage height = 74.27 with -0.82 shift).*

*Maintain river release at 4,200 cfs (gage height = 61.80 with -0.62 shift).*

*Decrease total release from the Afterbay at 4,550 cfs.*

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

**Maintain the level of the Afterbay at or above elevation 3184.5 until further notice. It is also important to maintain the river stage within +/- 0.06 feet of the river stage set point value.**

/S/ Tim H. Felchle