



# 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 19, 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. 11-95**

### **CURRENT RESERVOIR CONDITIONS (September 19, 2011; 10:00 a.m.)**

Elevation: 3641.06 Storage: 1,034,126 acre-feet; River Release: 3,500 cfs; Inflow: 3,700 cfs;

### **GENERAL COMMENTS:**

Power generation indicates the actual river flows are lower than anticipated. To adjust for the variation in flows, the following operation change is required at Yellowtail Dam and Powerplant applying a new shift of -1.05 to the river gage height.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1600 hour on Monday, September 19, 2011:**

*Maintain average daily turbine release at 3,580 cfs ( $\approx$  2,525 MW-Hrs/day using 34.0 cfs/mw).*

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

**At 1600 hour on Monday, September 19, 2011:**

*Maintain diversions to the Bighorn Canal at 150 cfs (gage height = 72.53 with -0.82 shift).  
Maintain river release at 3,500 cfs (increase gage height to 61.79 & apply new shift of -1.05).  
Maintain total release from the Afterbay at 3,650 cfs.*

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

**During 0700 hour, Wednesday, September 14 through 1700 hour, Wednesday, October 5, 2011:**

*Maintain the level of the Afterbay no lower than elevation 3184 and no higher than elevation 3190 during the inspection and maintenance work on the spillway tunnel and stilling basin..*

/S/ Tim H. Felchle