



# 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

February 8, 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: Jim Staebler

From: Reservoir and River Operations, Billings, Montana

Subject: **Yellowtail Water Release Order - BHR No. 11-21**

### **CURRENT RESERVOIR CONDITIONS:**

Elevation: 3620.67 Storage: 834,209 acre-feet; River Release: 2,380 cfs; Inflow: 2,110 cfs;

### **GENERAL COMMENTS:**

Recent flow measurements conducted by the US Geological Survey, indicates 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 -0.06 to the river gage height.

### **YELLOWTAIL TURBINE RELEASE:**

**At 1600 hour on Tuesday, February 8, 2011:**

*Maintain average daily turbine release at 2,300 cfs ( $\approx 1,315$  MW-Hrs/day using 42.0 cfs/mw).*

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

**At 1600 hour on Tuesday, February 8, 2011:**

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

*Maintain river release at 2,370 cfs (increase gage height to 59.96 & apply new shift of -0.06).*

*Maintain total release from the Afterbay at 2,370 cfs.*

/S/ Tim H. Felchle