



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

December 21, 2010

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. 11-20**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3625.13 Storage: 915,274 acre-feet; River Release: 2,370 cfs; Inflow: 1,570 cfs;

GENERAL COMMENTS:

Recent flow measurements conducted by the US Geological Survey, indicates actual river flows are higher 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 -0.01 to the river gage height.

YELLOWTAIL TURBINE RELEASE:

At 1000 hour on Tuesday, December 21, 2010:

Maintain average daily turbine release at 2,300 cfs ($\approx 1,430$ MW-Hrs/day using 38.6 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1000 hour on Tuesday, December 21, 2010:

Maintain diversions to the Bighorn Canal at 0 cfs.

Maintain river release at 2,370 cfs (decrease gage height to 59.91 & apply new shift of -0.01).

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

/S/ Tim H. Felchle