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

October 24, 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. 12-04**

CURRENT RESERVOIR CONDITIONS

Elevation: 3640.86 Storage: 1,031,539 acre-feet; River Release: 4,000 cfs; Inflow: 1,700 cfs;

GENERAL COMMENTS:

Based on streamflow measurements conducted by the U. S. Geological Survey earlier today, actual releases from the Yellowtail Afterbay to the Bighorn River are higher than planned (4,840 cfs compared to 4,000 cfs). To adjust for this variation in flows and continue evacuating flood storage in Bighorn Lake, the following operation change is required at Yellowtail Dam and Powerplant.

YELLOWTAIL TURBINE RELEASE:

At 1600 hour on Monday, October 24, 2011:
Decrease average daily turbine release to 4,270 cfs (≈ 3,416 MW-Hrs/day using 30.0 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1600 hour on Monday, October 24, 2011:
Maintain diversions to the Bighorn Canal to 0 cfs (gage height = 69.32 with -0.82 shift).
Decrease river release to 4,340 cfs (gage height = 61.74 with -0.48 shift).
Decrease total release from the Afterbay to 4,340 cfs.

/S/ Tim H. Felchle