



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

August 28, 2012

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. 12-49**

CURRENT RESERVOIR CONDITIONS

Elevation: 3628.79 Storage: 900,421 acre-feet; River Release: 1,750 cfs; Inflow: 1,610 cfs;

GENERAL COMMENTS:

Recent streamflow measurements conducted by the USGS indicate actual flows in the Bighorn Canal vary from that previously scheduled. To adjust for the variation in flows, the following operation is required at Yellowtail Dam, Powerplant and Afterbay Dam.

YELLOWTAIL TURBINE RELEASE:

At 1600 hour on Tuesday, August 28, 2012:

Average daily turbine release \approx 2,145 cfs (\approx 1,298 MW-Hours/day using 39.7 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1600 hour on Tuesday, August 28, 2012:

Diversions to the Bighorn Canal \approx 465 cfs (maintain gage height @ 74.09 & apply new shift of +0.15).

Maintain river release at 1,750 cfs (gage height = 59.49 with shift of -0.15).

Total release from the Afterbay = 2,215 cfs.

Special Note: To accomplish ongoing contract work on the Afterbay Dam sluice gates and sluice gate water way, the level of the Afterbay must be maintained between the elevations 3186-3190 at all times.

/S/ Tim H. Felchle