



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

May 31, 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. 12-40**

CURRENT RESERVOIR CONDITIONS

Elevation: 3622.75 Storage: 850,112 acre-feet; River Release: 1,750 cfs; Inflow: 4,165 cfs;

GENERAL COMMENTS:

The chemical treatment for the heavy algae growth in the Bighorn Canal has been completed. Due to the recent rains, the BIA requested diversions to the Bighorn Canal be maintained at 475 cfs. In response, the following operations are required at Yellowtail Dam, Powerplant and Afterbay Dam.

YELLOWTAIL TURBINE RELEASE:

At 1330 hour on Thursday, May 31, 2012:

Maintain average daily turbine release at 2,155 cfs (\approx 1,260 MW-Hours/day using 41.0 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1330 hour on Thursday, May 31, 2012:

Maintain diversions to the Bighorn Canal at 475 cfs (gage height = 73.64 with shift of +0.65).

Maintain river release at 1,750 cfs (gage height = 59.61 with shift of -0.27).

Maintain total release from the Afterbay at 2,225 cfs.

Special Note: To accommodate 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