



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

June 20, 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. 12-42**

CURRENT RESERVOIR CONDITIONS

Elevation: 3634.78 Storage: 959,214 acre-feet; River Release: 1,750 cfs; Inflow: 3,930 cfs;

GENERAL COMMENTS:

Following the chemical treatment of the algae in the Bighorn Canal, the BIA has requested the maximum release to the Bighorn Canal be increased to 500 cfs instead of the previously scheduled amount of 475 cfs. In response, the following operation change is required at Yellowtail Dam, Powerplant and Afterbay Dam.

YELLOWTAIL TURBINE RELEASE:

At 0700 hour on Thursday, June 21, 2012:

Increase average daily turbine release to 2,030 cfs (\approx 1,220 MW-Hours/day using 39.9 cfs/mw).

At 1200 hour on Thursday, June 21, 2012:

Increase average daily turbine release to 2,180 cfs (\approx 1,310 MW-Hours/day using 39.9 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 0700 hour on Thursday, June 21, 2012:

Increase diversions to the Bighorn Canal to 350 cfs (gage height = 72.80 with shift of +0.65).

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

Increase total release from the Afterbay to 2,100 cfs.

At 1200 hour on Thursday, June 21, 2012:

Increase diversions to the Bighorn Canal to 500 cfs (gage height = 73.79 with shift of +0.65).

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

Increase total release from the Afterbay to 2,250 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