



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

July 25, 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. 12-46**

CURRENT RESERVOIR CONDITIONS

Elevation: 3632.51 Storage: 935,417 acre-feet; River Release: 1,750 cfs; Inflow: 1,550 cfs;

GENERAL COMMENTS:

To conduct special water quality tests on releases out of Yellowtail Dam, the following operation changes are required at Yellowtail Dam, Powerplant and Afterbay Dam.

YELLOWTAIL TURBINE RELEASE:

During 0800-1800 hour on Friday, July 27, 2012:

Decrease average daily turbine release to 0 cfs (≈ 0 MW-Hours/day using 39.9 cfs/mw).

At 1800 hour on Friday, July 27, 2012:

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

YELLOWTAIL BYPASS RELEASE:

At 0800 hour on Friday, July 27, 2012:

Increase average daily release through spillway gates to 2,180 cfs.

Maintain average daily release through river evacuation outlet gates at 0 cfs.

At 1300 hour on Friday, July 27, 2012:

Decrease average daily release through spillway gates to 0 cfs.

Increase average daily release through river evacuation outlet gates to 2,180 cfs.

AFTERBAY RELEASE AND OPERATION:

During 0800-1800 hour on Friday, July 27, 2012:

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

Maintain river release at 1,750 cfs (gage height = 59.39 with shift of -0.05).

Maintain total release from the Afterbay at 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