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United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



September 20, 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. 11-96**

CURRENT RESERVOIR CONDITIONS (September 19, 2011; 12:00 p.m.)

Elevation: 3640.93 Storage: 1,032,441 acre-feet; River Release: 3,500 cfs; Inflow: 3,700 cfs;

GENERAL COMMENTS:

The Contractor for the refurbishment of the Afterbay Dam Sluice Gates is experiencing problems with the installation of the cofferdam and plans to delay the start of this work. Therefore, the restriction issued on the level Afterbay being maintained no lower than elevation 3184, is hereby cancelled. As a result, the following operation change is required at Yellowtail Dam and Powerplant.

YELLOWTAIL TURBINE RELEASE:

At 1300 hour on Tuesday, September 20, 2011:

Maintain average daily turbine release at 3,580 cfs (\approx 2,525 MW-Hrs/day using 34.0 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1300 hour on Tuesday, September 20, 2011:

Maintain diversions to the Bighorn Canal at 150 cfs (gage height = 72.53 with -0.82 shift).

Maintain river release at 3,500 cfs (gage height = 61.79 with -1.05 shift).

Maintain total release from the Afterbay at 3,650 cfs.

SPECIAL AFTERBAY OPERATION REQUIREMENT:

During 0700 hour, Wednesday, September 14 through 1700 hour, Wednesday, October 5, 2011:

Maintain the level of the Afterbay no higher than elevation 3190 during the inspection and maintenance work on the spillway tunnel and stilling basin.

Maintain the level of the Afterbay at or above elevation 3183.5 until further notice. It is also important to maintain the river stage within +/- 0.06 feet of the river stage set point value.

/S/ Tim H. Felchle