



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 7, 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. 11-68**

CURRENT RESERVOIR CONDITIONS (July 7, 2011; 10:00 a.m.)

Elevation: 3648.40 Storage: 1,138,535 acre-feet; River Release: 8,500 cfs; Inflow: 12,500 cfs;

GENERAL COMMENTS:

The BIA has requested an additional increase in diversions to the Bighorn Canal. To control storage and assist the USACE with Flood Operations on the Missouri River Mainstem, the following operation changes are required at Yellowtail Dam and Afterbay.

YELLOWTAIL TURBINE RELEASE:

At 1030 hour on Thursday, July 7, 2011:

Maintain average daily turbine release at 6,200 cfs (\approx 5,280 MW-Hrs/day using 28.2 cfs/mw).

YELLOWTAIL BYPASS RELEASE:

At 1030 hour on Thursday, July 7, 2011:

Increase releases through the river outlet gates to \approx 2,630 cfs

AFTERBAY RELEASE AND OPERATION:

At 1030 hour on Thursday, July 7, 2011:

Increase diversions to the Bighorn Canal to 400 cfs (gage height = 75.21 with -1.41 shift).

Maintain river release at 8,500 cfs (gage height = 63.22 with 0.0 shift).

Increase total release from the Afterbay to 8,900 cfs.

SPECIAL AFTERBAY OPERATION REQUIREMENT:

Maintain the level of the Afterbay at or above elevation 3185.0 until further notice. It is also extremely important to maintain the river stage within +/- 0.06 feet of the river stage set point value.

/S/ Tim H. Felchle