



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 29, 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. 11-64**

CURRENT RESERVOIR CONDITIONS (June 29, 2011; 5:00 p.m.)

Elevation: 3642.63 Storage: 1,054,941 acre-feet; River Release: 12,000 cfs; Inflow: 16,918 cfs;

GENERAL COMMENTS:

To continue the BIA request for increases in diversions to the Bighorn Canal, and to support the USACE Flood Operations on the Missouri River Mainstem the following adjustments are being made at Yellowtail Dam and Afterbay.

YELLOWTAIL TURBINE RELEASE:

At 0800 hour on Thursday, June 30, 2011:

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

At 1100 hour on Thursday, June 30, 2011:

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

At 1600 hour on Thursday, June 30, 2011:

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

At 1600 hour on Friday, July 1, 2011:

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

At 1600 hour on Saturday, July 2, 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 0800 hour on Thursday, June 30, 2011:

Decrease releases through the spillway gates to \approx 5,450 cfs.

At 1100 hour on Thursday, June 30, 2011:

Maintain releases through the spillway gates at \approx 5,450 cfs.

At 1600 hour on Thursday, June 30, 2011:

Decrease releases through the spillway gates to \approx 4,580 cfs..

At 1600 hour on Friday, July 1, 2011:

Decrease releases through the spillway gates to \approx 3,580 cfs.

At 1600 hour on Saturday, July 2, 2011:

Decrease releases through the spillway gates to 0 cfs.

Increase releases through the River Outlet Works to \approx 2,580 cfs

AFTERBAY RELEASE AND OPERATION:

At 0800 hour on Thursday, June 30, 2011:

Increase diversions to the Bighorn Canal to 220 cfs (gage height = 72.22 with 0.0 shift).

Decrease river release to 11,500 cfs (gage height = 64.28 with 0.0 shift).

Decrease total release from the Afterbay to 11,720 cfs.

At 1100 hour on Thursday, June 30, 2011:

Increase diversions to the Bighorn Canal to 280 cfs (gage height = 72.91 with 0.0 shift).

Decrease river release to 11,440cfs (gage height = 64.26 with 0.0 shift).

Maintain total release from the Afterbay at 11,720 cfs.

At 1600 hour on Thursday, June 30, 2011:

Increase diversions to the Bighorn Canal to 350 cfs (gage height = 73.45 with 0.0 shift).

Decrease river release to 10,500 cfs (gage height = 63.93 with 0.0 shift).

Decrease total release from the Afterbay to 10,850 cfs.

At 1600 hour on Friday, July 1, 2011:

Maintain diversions to the Bighorn Canal at 350 cfs (gage height = 73.45with 0.0 shift).

Decrease river release to 9,500 cfs (gage height = 63.59 with 0.0 shift).

Decrease total release from the Afterbay to 9,850 cfs.

At 1600 hour on Saturday, July 2, 2011:

Maintain diversions to the Bighorn Canal at 350 cfs (gage height = 73.45 with 0.0 shift).

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

Decrease total release from the Afterbay to 8,850 cfs.

SPECIAL AFTERBAY OPERATION REQUIREMENT:

Maintain the level of the Afterbay at or above elevation 3187.0 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