



IN REPLY REFER TO: MT-450

United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



June 15, 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. 12-41**

CURRENT RESERVOIR CONDITIONS

Elevation: 3632.57 Storage: 936,022 acre-feet; River Release: 1,750 cfs; Inflow: 4,275 cfs;

GENERAL COMMENTS:

The BIA called and requested another special operation to allow them to chemically treat the heavy algae growth in the Bighorn Canal. In response, the following operations are required at Yellowtail Dam, Powerplant and Afterbay Dam.

YELLOWTAIL TURBINE RELEASE:

At 1100 hour on Tuesday, June 19, 2012:

Decrease average daily turbine release to 2,030 cfs (\approx 1,200 MW-Hours/day using 39.9 cfs/mw).

At 1600 hour on Tuesday, June 19, 2012:

Decrease average daily turbine release to 1,930 cfs (\approx 1,160 MW-Hours/day using 39.9 cfs/mw).

At 0700 hour on Wednesday, June 20, 2012:

Decrease average daily turbine release to 1,830 cfs (\approx 1,100 MW-Hours/day using 39.9 cfs/mw).

At 1300 hour on Wednesday, June 20, 2012:

Increase average daily turbine release to 1,930 cfs (\approx 1,160 MW-Hours/day using 39.9 cfs/mw).

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 2,155 cfs (\approx 1,295 MW-Hours/day using 39.9 cfs/mw).

AFTERBAY RELEASE AND OPERATION:

At 1100 hour on Tuesday, June 19, 2012:

Decrease 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).

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

At 1600 hour on Tuesday, June 19, 2012:

Decrease diversions to the Bighorn Canal to 250 cfs (gage height = 72.01 with shift of +0.65).

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

Decrease total release from the Afterbay to 2,000 cfs.

At 0700 hour on Wednesday, June 20, 2012:

Decrease diversions to the Bighorn Canal to 150 cfs (gage height = 71.06 with shift of +0.65).

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

Decrease total release from the Afterbay to 1,900 cfs.

At 1300 hour on Wednesday, June 20, 2012:

Increase diversions to the Bighorn Canal to 250 cfs (gage height = 72.01 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 2,000 cfs.

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 475 cfs (gage height = 73.64 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 2,225 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