



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



February 20, 2014

## **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 /S/ Clayton R. Jordan

Subject: **Yellowtail Water Release Order - BHR No. 14-25**

### **CURRENT RESERVOIR CONDITIONS**

Elevation: 3627.75; Storage: 891,272 acre-feet; River Release: 2,570 cfs; Inflow: 2,718 cfs;

### **GENERAL COMMENTS:**

A 10-day maintenance outage is scheduled on Unit 3 of the Yellowtail Powerplant for February 24 through March 5, 2014. Additionally, a 10-day maintenance outage is scheduled on Unit 4 of the Yellowtail Powerplant for March 10 through March 19, 2014.

There is also a 4-day outage of Units 1 and 2 of the Yellowtail Powerplant scheduled for March 24 through March 27, 2014, for online relay and instrument transformer testing. This is followed by a 4-day scheduled outage of Units 3 and 4 of the Yellowtail Powerplant for March 31 through April 3, 2014, for online relay and instrument transformer testing.

To allow for the scheduled maintenances and testing, the following operations are required at Yellowtail Dam, Powerplant, and Afterbay Dam.

**SPECIAL NOTE: To provide the proper mixing of water releases to the Bighorn River in attempt to minimize PSAT levels, it is desirable to maintain the Yellowtail Afterbay Reservoir at or above elevation 3183.0 feet.**

### **YELLOWTAIL TURBINE RELEASE:**

**During 0800 hour on Monday, February 24 through 1700 hour on Wednesday, March 5, 2014:**

*Maintain average daily turbine release at 2,500 cfs ( $\approx$  1,666 MW-Hrs/day using 36.0 cfs/mw).*

**Restrict and limit turbine releases to 3-unit capacity.**

**During 0800 hour on Monday, March 10 through 1700 hour on Wednesday, March 19, 2014:**

*Maintain average daily turbine release at 2,500 cfs ( $\approx$  1,666 MW-Hrs/day using 36.0 cfs/mw).*

**Restrict and limit turbine releases to 3-unit capacity.**

**During 0800 hour on Monday, March 24 through 1700 hour on Thursday, March 27, 2014:**

*Maintain average daily turbine release at 2,500 cfs ( $\approx$  1,666 MW-Hrs/day using 36.0 cfs/mw).*

**Restrict and limit turbine releases to 2-unit capacity.**

**During 0800 hour on Monday, March 31 through 1700 hour on Thursday, April 3, 2014:**

*Maintain average daily turbine release at 2,500 cfs ( $\approx$  1,666 MW-Hrs/day using 36.0 cfs/mw).*

**Restrict and limit turbine releases to 2-unit capacity.**

**AFTERBAY RELEASE AND OPERATION:**

**During 0800 hour on Monday, February 24 through 1700 hour on Wednesday, March 5, 2014:**

*Maintain diversions to the Bighorn Canal at 0 cfs.*

*Maintain river release at 2,570 cfs (gage height = 60.06 with 0.0 shift).*

*Maintain total release from the Afterbay at 2,570 cfs.*

**During 0800 hour on Monday, March 10 through 1700 hour on Wednesday, March 19, 2014:**

*Maintain diversions to the Bighorn Canal at 0 cfs.*

*Maintain river release at 2,570 cfs (gage height = 60.06 with 0.0 shift).*

*Maintain total release from the Afterbay at 2,570 cfs.*

**During 0800 hour on Monday, March 24 through 1700 hour on Thursday, March 27, 2014:**

*Maintain diversions to the Bighorn Canal at 0 cfs.*

*Maintain river release at 2,570 cfs (gage height = 60.06 with 0.0 shift).*

*Maintain total release from the Afterbay at 2,570 cfs.*

**During 0800 hour on Monday, March 31 through 1700 hour on Thursday, April 3, 2014:**

*Maintain diversions to the Bighorn Canal at 0 cfs.*

*Maintain river release at 2,570 cfs (gage height = 60.06 with 0.0 shift).*

*Maintain total release from the Afterbay at 2,570 cfs.*