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

October 25, 2010

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: Jim Staebler

From: Reservoir and River Operations, Billings, Montana

Subject: **Yellowtail Water Release Order - BHR No. 11-09**

CURRENT RESERVOIR CONDITIONS:
Elevation: 3628.04 Storage: 941,099 acre-feet; River Release: 2,370 cfs; Inflow: 2,215 cfs;

GENERAL COMMENTS:
The algae growth in the Bighorn River continues to rapidly decrease. To more accurately account for maintaining river flows at 2,370 cfs, new river shifts should be applied to the river stage and the following operation changes made at Yellowtail Dam, Powerplant, and Afterbay.

YELLOWTAIL TURBINE RELEASE:
At 0800 hour on Tuesday, October 26, 2010:
Maintain average daily turbine release at 2,300 cfs (≈ 1,510 MW-Hrs/day using 36.5 cfs/mw).
At 0800 hour on Wednesday, October 27, 2010:
Maintain average daily turbine release at 2,300 cfs (≈ 1,510 MW-Hrs/day using 36.5 cfs/mw).

AFTERBAY RELEASE AND OPERATION:
At 0800 hour on Tuesday, October 26, 2010:
Maintain diversions to the Bighorn Canal at 0 cfs.
Maintain river release at 2,370 cfs (decrease gage height to 61.05 & apply new shift of -1.15).
Maintain total release from the Afterbay at 2,370 cfs.
At 0800 hour on Wednesday, October 27, 2010:
Maintain diversions to the Bighorn Canal at 0 cfs.
Maintain river release at 2,370 cfs (decrease gage height to 61.01 & apply new shift of -1.11).
Maintain total release from the Afterbay at 2,370 cfs.

/S/ Tim H. Felchle