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United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



June 6, 2012

FAXOGRAM: Water Order Change

To: Chief, Power Supply and Billing Division, WAPA, Watertown, South Dakota
Attention: F-6300
Chief, Power Dispatching Branch, WAPA, Loveland, Colorado
Attention: J-4120
Facilities Manager, Helena, Montana
Attention: MT-800, MT-810, MT-831
Project Manager, Mills, Wyoming
Attention: WY-4000, WY-4100, WY-6400
PPL Energy Plus, LLC, Butte, Montana
Attention: Resource Coordinator, Lance Elias

From: Reservoir and River Operations, Billings, Montana

Subject: **Canyon Ferry Water Release Order - CFR No. 12-27**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3795.48; Storage: 1,841,474 acre-feet; River Release: 5,350 cfs; Inflow: 13,200 cfs;

GENERAL COMMENTS:

Inflows into Canyon Ferry are over 13,000 cfs and forecast to slowly increase. Based on the preliminary June 1 forecast and the anticipated increase in inflows, releases from Canyon Ferry will be increased to control the rate of fill of storage in Canyon Ferry Lake. With the ongoing maintenance and replacement of the excitation system on Unit No. 2, turbine releases are still being restricted and limited to 2-unit capacity. In response, the following operation changes are required at Canyon Ferry Dam & Powerplant.

CANYON FERRY RELEASES AND OPERATIONS: All times are Mountain Daylight Savings Time (MDST)

At 0800 hour on Wednesday, June 6, 2012:

*Decrease releases through the river outlet gates to 0 cfs.
Initiate releases through the spillway gates at 2,855 cfs.
Maintain turbine releases at $\approx 3,400$ cfs (≈ 880 MW-Hrs/day using 92.7 cfs/mw).
Maintain releases for Helena Valley Project at 745 cfs (370 cfs pumped to Helena Valley and 375 cfs discharged to the Missouri River).
Increase release to the Missouri River to 6,630 cfs.
Increase total release from Canyon Ferry to 7,000 cfs.*

At 1600 hour on Wednesday, June 6, 2012:

*Maintain releases through the river outlet gates at 0 cfs.
Increase releases through the spillway gates to 3,855 cfs.
Maintain turbine releases at $\approx 3,400$ cfs (≈ 880 MW-Hrs/day using 92.7 cfs/mw).
Maintain releases for Helena Valley Project at 745 cfs (370 cfs pumped to Helena Valley and 375 cfs discharged to the Missouri River).
Increase release to the Missouri River to 7,630 cfs.
Increase total release from Canyon Ferry to 8,000 cfs.*

At 0800 hour on Thursday, June 7, 2012:

*Maintain releases through the river outlet gates at 0 cfs.
Increase releases through the spillway gates to 4,855 cfs.
Maintain turbine releases at $\approx 3,400$ cfs (≈ 880 MW-Hrs/day using 92.7 cfs/mw).
Maintain releases for Helena Valley Project at 745 cfs (370 cfs pumped to Helena Valley and 375 cfs discharged to the Missouri River).
Increase release to the Missouri River to 8,630 cfs.
Increase total release from Canyon Ferry to 9,000 cfs.*

/S/ Tim H. Felchle