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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



July 11, 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, Helena, Montana
Attention: MT-682, MT669
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. 11-38**

CURRENT RESERVOIR CONDITIONS: (July 11, 2011; 6:00a.m.)

Elevation: 3798.74; Storage: 1,950,263 acre-feet; River Release: 23,100 cfs; Inflow: 17,600 cfs;

GENERAL COMMENTS:

With the high elevation snowmelt essentially over, streamflows upstream of Canyon Ferry Reservoir are gradually decreasing. In addition, Helena Valley also plans to increase irrigation deliveries to Helena Valley Reservoir. To slow the evacuation rate of storage from the exclusive flood pool and gradually decrease releases to the Missouri River, the following operation change is required at Canyon Ferry Dam and Powerplant.

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

At 0900 hour on Monday, July 11, 2011:

Maintain releases through the river outlet gates at 0 cfs.

Decrease releases through the spillway gates to 16,000 cfs.

Maintain turbine releases at $\approx 5,000$ cfs ($\approx 1,320$ MW-Hrs/day using 90.8 cfs/mw).

Increase releases for Helena Valley Project to 800 cfs (360 cfs pumped to Helena Valley and 440 cfs discharged to the Missouri River).

Decrease average daily release to the Missouri River to 21,440 cfs.

Decrease average total release from Canyon Ferry to 21,800 cfs.

At 1600 hour on Monday, July 11, 2011:

Maintain releases through the river outlet gates at 0 cfs.

Decrease releases through the spillway gates to 14,000 cfs.

Maintain turbine releases at $\approx 5,000$ cfs ($\approx 1,320$ MW-Hrs/day using 90.8 cfs/mw).

Maintain releases for Helena Valley Project at 800 cfs (360 cfs pumped to Helena Valley and 440 cfs discharged to the Missouri River).

Decrease average daily release to the Missouri River to 19,440 cfs.

Decrease average total release from Canyon Ferry to 19,800 cfs.

/S/ Tim H. Felchle