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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



April 25, 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. 12-19**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3786.76; Storage: 1,561,187 acre-feet; River Release: 6,500 cfs; Inflow: 7,170 cfs;

GENERAL COMMENTS:

Helena Valley Irrigation District has requested for diversions to Helena Valley Reservoir to begin and increased to 340 cfs. Also, due to the unseasonably warm weather, snowmelt is occurring about 3-4 weeks earlier than normal. Inflows into Canyon Ferry have increased to over 7,000 cfs. To control the rate of fill of storage in Canyon Ferry and meet the irrigation demands for Helena Valley Irrigation Project, the following operation changes are required at Canyon Ferry Dam and Powerplant. With the ongoing maintenance and replacement of the excitation system on Unit No. 3, turbine releases are still being restricted and limited to 2-unit capacity through May 3. Immediately following the completion of maintenance on Unit No. 3, similar maintenance will be required on Unit No. 2, further restricting and limiting turbine releases to 2-unit capacity.

CANYON FERRY RELEASES AND OPERATIONS: All times are Mountain Standard Time (MST)

At 0900 hour on Thursday, April 26, 2012:

*Maintain releases through the river outlet gates at ≈ 0 cfs.
Decrease releases through the spillway gates to 2,690 cfs.
Maintain turbine releases at $\approx 3,400$ cfs (≈ 825 MW-Hrs/day using 99.1 cfs/mw).
Initiate and increase releases for Helena Valley Project to 410 cfs (200 cfs pumped to Helena Valley and 210 cfs discharged to the Missouri River).
Decrease release to the Missouri River to 6,300 cfs.
Maintain total release from Canyon Ferry at 6,500 cfs.*

At 0900 hour on Friday, April 27, 2012:

*Maintain releases through the river outlet gates at ≈ 0 cfs.
Decrease releases through the spillway gates to 2,405 cfs.
Maintain turbine releases at $\approx 3,400$ cfs (≈ 825 MW-Hrs/day using 99.1 cfs/mw).
Increase releases for Helena Valley Project to 695 cfs (340 cfs pumped to Helena Valley and 355 cfs discharged to the Missouri River).
Decrease release to the Missouri River to 6,160 cfs.
Maintain total release from Canyon Ferry at 6,500 cfs.*

Special Note: Pump unit #2 for Helena Valley Pumping plant has been reconditioned and will be temporarily tested on Thursday, April 26. If there are no problems encountered, operations scheduled for Friday, April 27 will resume. If problems are encountered, operations will remain as scheduled on Thursday, April 26.

/S/ Tim H. Felchle