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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 18, 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. 11-13**

### **CURRENT RESERVOIR CONDITIONS:**

Elevation: 3780.78; Storage: 1,381,304 acre-feet; River Release: 5,330 cfs; Inflow: 5,340 cfs;

### **GENERAL COMMENTS:**

Snowpack in the Missouri River Basin has increased to 123% of average. In preparation for the anticipated spring snowmelt runoff, releases out of Canyon Ferry Dam will be increased as follows. In addition, the exciter brushes on G1 & G2 are scheduled to be replaced on April 21. During this time, the turbine releases will be reduced to 2-unit load. While this work is being done, the releases through the river outlet gates will be increased to maintain a total release as shown below.

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

#### **At 0100 hour on Tuesday, April 19, 2011:**

*Maintain releases through the river outlet gates at 0 cfs.*

*Maintain releases through the spillway gates at 0 cfs.*

*Increase turbine releases to  $\approx 5,700$  cfs ( $\approx 1,310$  MW-Hrs/day using 104.4 cfs/mw).*

*Maintain releases for Helena Valley Project at 315 cfs (150 cfs pumped to Helena Valley and 165 cfs discharged to the Missouri River).*

*Increase average daily release to the Missouri River to 5,865 cfs.*

*Increase average total release from Canyon Ferry to 6,015 cfs.*

#### **During 1000-1200 hour on Thursday, April 21, 2011:**

*Initiate and maintain releases through the river outlet gates at 1,900 cfs.*

*Maintain releases through the spillway gates at 0 cfs.*

*Decrease turbine releases to  $\approx 3,800$  cfs ( $\approx 874$  MW-Hrs/day using 104.4 cfs/mw).*

*Maintain releases for Helena Valley Project at 315 cfs (150 cfs pumped to Helena Valley and 165 cfs discharged to the Missouri River).*

*Maintain average daily release to the Missouri River at 5,865 cfs.*

*Maintain average total release from Canyon Ferry at 6,015 cfs.*

/S/ Tim H. Felchle