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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



December 10, 2007

## **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. 08-04**

### **CURRENT RESERVOIR CONDITIONS:**

Elevation: 3784.31; Storage: 1,485,711 acre-feet; River Release: 3,100 cfs; Inflow: 2,820 cfs;

### **GENERAL COMMENTS:**

Another cold front has moved into Montana, causing much of the water released to the Missouri River to form into ice storage. PPL-MT has requested the releases from Canyon Ferry to the Missouri River to be increased and maintained at higher flows for a couple days to enable the river to freeze over at a higher level and reduce the potential for ice jam flooding to occur. In response, the following operation change is required at Canyon Ferry Dam and Powerplant.

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

#### **At 0100 hour on Tuesday, December 11, 2007:**

*Maintain releases through the river outlet gates at 0 cfs.  
Maintain releases through the spillway gates at 0 cfs.  
Increase turbine releases to 3,600 cfs ( $\approx$  864 MW-Hrs/day using 100.0 cfs/mw).  
Maintain release for Helena Valley Project at 0 cfs.  
Increase average daily release to the Missouri River to about 3,600 cfs.  
Increase average total release from Canyon Ferry to about 3,600 cfs.*

#### **At 0100 hour on Wednesday, December 12, 2007:**

*Maintain releases through the river outlet gates at 0 cfs.  
Maintain releases through the spillway gates at 0 cfs.  
Increase turbine releases to 4,100 cfs ( $\approx$  984 MW-Hrs/day using 100.0 cfs/mw).  
Maintain release for Helena Valley Project at 0 cfs.  
Increase average daily release to the Missouri River to about 4,100 cfs.  
Increase average total release from Canyon Ferry to about 4,100 cfs.*

**At 0100 hour on Saturday, December 15, 2007:**

*Maintain releases through the river outlet gates at 0 cfs.  
Maintain releases through the spillway gates at 0 cfs.  
Decrease turbine releases to 3,600 cfs ( $\approx$  864 MW-Hrs/day using 100.0 cfs/mw).  
Maintain release for Helena Valley Project at 0 cfs.  
Decrease average daily release to the Missouri River to about 3,600 cfs.  
Decrease average total release from Canyon Ferry to about 3,600 cfs.*

**At 0100 hour on Sunday, December 16, 2007:**

*Maintain releases through the river outlet gates at 0 cfs.  
Maintain releases through the spillway gates at 0 cfs.  
Decrease turbine releases to 3,100 cfs ( $\approx$  744 MW-Hrs/day using 100.0 cfs/mw).  
Maintain release for Helena Valley Project at 0 cfs.  
Decrease average daily release to the Missouri River to about 3,100 cfs.  
Decrease average total release from Canyon Ferry to about 3,100 cfs.*

/S/ Tim H. Felchle