



IN REPLY REFER TO: MT-450

United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



December 18, 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. 08-07**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3783.84; Storage: 1,471,494 acre-feet; River Release: 3,100 cfs; Inflow: 2,505 cfs;

GENERAL COMMENTS:

Another cold front is forecast to move into Montana by the weekend, causing much of the water released to the Missouri River to be lost to 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 few 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 0800 hour on Wednesday, December 19, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 3,500 cfs (\approx 833 MW-Hrs/day using 100.8 cfs/mw).
Maintain release for Helena Valley Project at 0 cfs.
Increase average daily release to the Missouri River to about 3,500 cfs.
Increase average total release from Canyon Ferry to about 3,500 cfs.*

At 0800 hour on Thursday, December 20, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 3,800 cfs (\approx 905 MW-Hrs/day using 100.8 cfs/mw).
Maintain release for Helena Valley Project at 0 cfs.
Increase average daily release to the Missouri River to about 3,800 cfs.
Increase average total release from Canyon Ferry to about 3,800 cfs.*

At 0800 hour on Sunday, December 23, 2007:

Maintain releases through the river outlet gates at 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine releases to 3,500 cfs (\approx 833 MW-Hrs/day using 100.8 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Decrease average daily release to the Missouri River to about 3,500 cfs.

Decrease average total release from Canyon Ferry to about 3,500 cfs.

At 0800 hour on Monday, December 24, 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 738 MW-Hrs/day using 100.8 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