



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



January 8, 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. 07-01**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3786.13; Storage: 1,541,591 acre-feet; River Release: 3,435 cfs; Inflow: 2,970 cfs;

GENERAL COMMENTS:

The National Weather Service is forecasting a cold front to move into Montana. PPL-MT has requested an increase in releases from Canyon Ferry to prepare for the colder weather. Higher releases are requested in an effort to enable the river to freeze over at a higher level and prevent ice jam flooding from occurring. 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 2300 hour on Tuesday, January 09, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 3,935 cfs (\approx 944 MW-Hrs/day using 100.0 cfs/mw)..
Maintain release for Helena Valley Project at 0 cfs.
Increase average total release to the Missouri River to about 3,935 cfs.*

At 1000 hour on Wednesday, January 10, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 4,435 cfs (\approx 1,064 MW-Hrs/day using 100.0 cfs/mw).
Maintain release for Helena Valley Project at 0 cfs.
Increase average total release from Canyon Ferry to about 4,435 cfs.*

At 1400 hour on Wednesday, January 10, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 4,935 cfs (\approx 1,184 MW-Hrs/day using 100.0 cfs/mw).
Maintain release for Helena Valley Project at 0 cfs.
Increase average total release from Canyon Ferry to about 4,935 cfs.*

At 1800 hour on Wednesday, January 10, 2007:

Maintain releases through the river outlet gates at 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Increase turbine releases to 5,435 cfs ($\approx 1,304$ MW-Hrs/day using 100.0 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Increase average total release from Canyon Ferry to about 5,435 cfs.

At 0800 hour on Friday, January 12, 2007:

Maintain releases through the river outlet gates at 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine releases to 4,935 cfs ($\approx 1,184$ MW-Hrs/day using 100.0 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Decrease average total release from Canyon Ferry to about 4,935 cfs.

At 1200 hour on Friday, January 12, 2007:

Maintain releases through the river outlet gates at 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine releases to 4,435 cfs ($\approx 1,064$ MW-Hrs/day using 100.0 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Decrease average total release from Canyon Ferry to about 4,435 cfs.

At 1600 hour on Friday, January 12, 2007:

Maintain releases through the river outlet gates at 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Decrease turbine releases to 3,935 cfs (≈ 944 MW-Hrs/day using 100.0 cfs/mw).

Maintain release for Helena Valley Project at 0 cfs.

Decrease average total release from Canyon Ferry to about 3,935 cfs.

/S/ Tim H. Felchle