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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



June 7, 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. 07-18**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3794.18; Storage: 1,798,769 acre-feet; River Release: 3,560 cfs; Inflow: 5,830 cfs;

GENERAL COMMENTS:

A recent spring storm system moved across much of Wyoming and southern Montana, bringing with it heavy precipitation to these areas. With rapid increases in streamflows, releases at Canyon Ferry will be gradually increased to control the rate of fill of Canyon Ferry Lake. As a result, the following operation changes are required at Canyon Ferry Dam and Powerplant.

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

At 0100 hour on Friday, June 8, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 3,250 cfs (\approx 827 MW-Hrs/day using 94.3 cfs/mw).
Maintain releases for Helena Vally Project at 600 cfs (300 cfs pumped to Helena Valley and 300 cfs discharged to the Missouri River).
Increase average daily release to the Missouri River to about 3,550 cfs.
Increase average total release from Canyon Ferry to about 3,850 cfs.*

At 0100 hour on Saturday, June 9, 2007:

*Maintain releases through the river outlet gates at 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Increase turbine releases to 3,750 cfs (\approx 955 MW-Hrs/day using 94.3 cfs/mw).
Maintain releases for Helena Vally Project at 600 cfs (300 cfs pumped to Helena Valley and 300 cfs discharged to the Missouri River).
Increase average daily release to the Missouri River to about 4,050 cfs.
Increase average total release from Canyon Ferry to about 4,350 cfs.*

At 0100 hour on Sunday, June 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 4,250 cfs (≈ 1080 MW-Hrs/day using 94.3 cfs/mw).

Maintain releases for Helena Vally Project at 600 cfs (300 cfs pumped to Helena Valley and 300 cfs discharged to the Missouri River).

Increase average daily release to the Missouri River to about 4,550 cfs.

Increase average total release from Canyon Ferry to about 4,850 cfs.

At 0100 hour on Monday, June 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 4,750 cfs ($\approx 1,210$ MW-Hrs/day using 94.3 cfs/mw).

Maintain releases for Helena Vally Project at 600 cfs (300 cfs pumped to Helena Valley and 300 cfs discharged to the Missouri River).

Increase average daily release to the Missouri River to about 5,050 cfs.

Increase average total release from Canyon Ferry to about 5,350 cfs.

At 0100 hour on Tuesday, June 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 5,250 cfs ($\approx 1,335$ MW-Hrs/day using 94.3 cfs/mw).

Maintain releases for Helena Vally Project at 600 cfs (300 cfs pumped to Helena Valley and 300 cfs discharged to the Missouri River).

Increase average daily release to the Missouri River to about 5,550 cfs.

Increase average total release from Canyon Ferry to about 5,850 cfs.

/S/ Tim H. Felchle