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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 4, 2009

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. 09-21**

CURRENT RESERVOIR CONDITIONS:

Elevation: 3791.28; Storage: 1,704,660 acre-feet; River Release: 10,985 cfs; Inflow: 17,200 cfs;

GENERAL COMMENTS:

Due to cooler temperatures, the high elevation snowmelt has decreased. To control the rate of fill of storage in Canyon Ferry, the following operation change is required at Canyon Ferry Dam and Powerplant.

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

At 1200 hour on Thursday, June 4, 2009:

*Maintain releases through the river outlet gates at 0 cfs.
Decrease releases through the spillway gates to 4,000 cfs.
Maintain turbine releases at 5,360 cfs (≈ 1,310 MW-Hrs/day using 98.0 cfs/mw).
Maintain releases for Helena Valley Project at 795 cfs (380 cfs pumped to Helena Valley and 415 cfs discharged to the Missouri River).
Decrease average daily release to the Missouri River to about 9,775 cfs.
Decrease average total release from Canyon Ferry to about 10,155 cfs.*

At 0800 hour on Friday, June 5, 2009:

*Maintain releases through the river outlet gates at 0 cfs.
Decrease releases through the spillway gates to 3,000 cfs.
Maintain turbine releases at 5,360 cfs (≈ 1,310 MW-Hrs/day using 98.0 cfs/mw).
Maintain releases for Helena Valley Project at 795 cfs (380 cfs pumped to Helena Valley and 415 cfs discharged to the Missouri River).
Decrease average daily release to the Missouri River to about 8,775 cfs.
Decrease average total release from Canyon Ferry to about 9,155 cfs.*

At 0800 hour on Saturday, June 6, 2009:

Increase releases through the river outlet gates to 2,000 cfs.

Decrease releases through the spillway gates to 0 cfs.

Maintain turbine releases at 5,360 cfs (\approx 1,310 MW-Hrs/day using 98.0 cfs/mw).

Maintain releases for Helena Valley Project at 795 cfs (380 cfs pumped to Helena Valley and 415 cfs discharged to the Missouri River).

Decrease average daily release to the Missouri River to about 7,775 cfs.

Decrease average total release from Canyon Ferry to about 8,155 cfs.

At 0800 hour on Sunday, June 7, 2009:

Decrease releases through the river outlet gates to 1,000 cfs.

Maintain releases through the spillway gates at 0 cfs.

Maintain turbine releases at 5,360 cfs (\approx 1,310 MW-Hrs/day using 98.0 cfs/mw).

Maintain releases for Helena Valley Project at 795 cfs (380 cfs pumped to Helena Valley and 415 cfs discharged to the Missouri River).

Decrease average daily release to the Missouri River to about 6,775 cfs.

Decrease average total release from Canyon Ferry to about 7,155 cfs.

/S/ Tim H. Felchle