



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



September 12, 2011

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. 11-48**

CURRENT RESERVOIR CONDITIONS: (September 12, 2011; 11:00a.m.)

Elevation: 3792.91; Storage: 1,757,361 acre-feet; River Release: 4,860 cfs; Inflow: 3,000 cfs;

GENERAL COMMENTS:

Due to an unscheduled maintenance outage on Unit #3 of the Canyon Ferry Powerplant, releases out of Canyon Ferry will vary, to facilitate an ongoing maintenance contract. To also slow the evacuation rate of storage in Canyon Ferry, releases out of Canyon Ferry to the Missouri River will be decreased and maintained at about 4,400 cfs:

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

During 0700-1700 hour each day from Monday through Saturday beginning September 13, 2011:

Decrease and maintain releases through the river outlet gates at ≈ 0 cfs.

Maintain releases through the spillway gates at 0 cfs.

Maintain turbine releases at 2-unit load of $\approx 3,250$ cfs (≈ 835 MW-Hrs/day using 93.5 cfs/mw).

Maintain releases for Helena Valley Project at 655 cfs (330 cfs pumped to Helena Valley and 325 cfs discharged to the Missouri River).

Decrease release to the Missouri River to 3,575 cfs. (average daily river release = 4,400 cfs)

Decrease total release from Canyon Ferry to 3,905 cfs. (average daily total release = 4,730 cfs)

During 1700-0700 hour each day from Monday through Saturday beginning September 13, 2011:

Initiate and maintain releases through the river outlet gates at $\approx 1,415$ cfs.

Maintain releases through the spillway gates at 0 cfs.

Maintain turbine releases at 2-unit load of $\approx 3,250$ cfs (≈ 835 MW-Hrs/day using 93.5 cfs/mw).

Maintain releases for Helena Valley Project at 655 cfs (330 cfs pumped to Helena Valley and 325 cfs discharged to the Missouri River).

Increase release to the Missouri River to 4,990 cfs. (average daily river release = 4,400 cfs)

Increase total release from Canyon Ferry to 5,320 cfs. (average daily total release = 4,730 cfs)

Every Sunday during 0000-2400 hour beginning September 18, 2011:

Decrease releases through the river outlet gates to ≈ 825 cfs.

Maintain releases through the spillway gates at 0 cfs.

Maintain turbine releases at 2-unit load of $\approx 3,250$ cfs (≈ 835 MW-Hrs/day using 93.5 cfs/mw).

Maintain releases for Helena Valley Project at 655 cfs (330 cfs pumped to Helena Valley and 325 cfs discharged to the Missouri River).

Maintain release to the Missouri River at 4,400 cfs.

Maintain total release from Canyon Ferry at 4,730 cfs.

/S/ Tim H. Felchle