



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region

Montana Area Office

P.O. Box 30137

Billings, Montana 59107-0137



IN REPLY REFER TO: MT-450

September 23, 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. 11-51**

CURRENT RESERVOIR CONDITIONS: (September 23, 2011; 2:00p.m.)

Elevation: 3791.81; Storage: 1,721,744 acre-feet; River Release: 4,400 cfs; Inflow: 3,440 cfs;

GENERAL COMMENTS:

As the 2011 irrigation season comes to a close, Helena Valley Irrigation District will be discontinuing all irrigation deliveries to the Helena Valley Reservoir on September 30. To also safely accommodate a Contractor with the stoplog guide removal project, 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 0900 hour on Friday, September 30, 2011:

*Maintain releases through the river outlet gates at ≈ 0 cfs.
Maintain releases through the spillway gates at 0 cfs.
Maintain turbine releases at ≈ 0 cfs (≈ 0 MW-Hrs/day using 94.2 cfs/mw).
Decrease releases for Helena Valley Project to 0 cfs.
Maintain release to the Missouri River at 4,400 cfs.
Maintain total release from Canyon Ferry at 4,400 cfs.*

During 0700-1700 hour each day from Monday through Saturday beginning September 30, 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 (≈ 830 MW-Hrs/day using 94.2 cfs/mw).
Maintain releases for Helena Valley Project at 0 cfs.
Decrease release to the Missouri River to 3,250 cfs. (average daily river release = 4,400 cfs)
Decrease total release from Canyon Ferry to 3,250 cfs. (average daily total release = 4,400 cfs)*

During 1700-0700 hour each day from Monday through Saturday beginning September 30, 2011:

*Initiate and maintain releases through the river outlet gates at $\approx 2,000$ cfs.
Maintain releases through the spillway gates at 0 cfs.
Maintain turbine releases at 2-unit load of $\approx 3,250$ cfs (≈ 830 MW-Hrs/day using 94.2 cfs/mw).
Maintain releases for Helena Valley Project at 0 cfs.
Increase release to the Missouri River to 5,250 cfs. (average daily river release = 4,400 cfs)
Increase total release from Canyon Ferry to 5,250 cfs. (average daily total release = 4,400 cfs)*

Every Saturday beginning at 1700 hour through 0700 hour on Monday:

Initiate and maintain releases through the river outlet gates at $\approx 1,440$ cfs.

Maintain releases through the spillway gates at 0 cfs.

Maintain turbine releases at 2-unit load of $\approx 3,250$ cfs (≈ 830 MW-Hrs/day using 94.2 cfs/mw).

Maintain releases for Helena Valley Project at 0 cfs.

Increase release to the Missouri River to 4,400 cfs.

Increase total release from Canyon Ferry to 4,400 cfs.

/S/ Tim H. Felchle