

United States Department of the Interior

BUREAU OF RECLAMATION

Missouri Basin Region
Wyoming Area Office
P.O. Box 1630
Mills, Wyoming 82644-1630

DATE: March 4, 2024

REPLY TO
WY-4104
2.2.4.22

FAX/ELECTRONIC

MEMORANDUM

To: WY-6040, Casper Control Center

From: WY-4104, Water Scheduler, Water and Civil Works Branch, Mills WY /s/ George Finnegan

SUBJECT:

WATER RELEASE ORDER

NPR 08-24gr flush (Reservoir releases)

GENERAL

At the request of the Wyoming Game and Fish Department, a series of fluctuating flows will be provided in the North Platte River below Gray Reef Reservoir during the period of March 25 through April 03. The fluctuating flows are designed to flush fine sediments from the spawning gravels in the North Platte River below Gray Reef Dam.

FREMONT CANYON POWERPLANT

Continue operation of Fremont Canyon Powerplant as necessary to maintain Alcova Reservoir within the winter operating range of 5488.00 \pm 1 foot.

ALCOVA RESERVOIR

Operate Alcova Powerplant as necessary to accommodate the Gray Reef releases as stated below.

GRAY REEF DAM

March 24, 2024

0001 hours - Maintain Gray Reef Reservoir releases at 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 25, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 1,000 cfs.

0300 hours - Increase the release to the river from approximately 1,000 cfs to 2,000 cfs.

0700 hours - Decrease the release to the river from approximately 2,000 cfs to 1,500 cfs.

0800 hours - Decrease the release to the river from approximately 1,500 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 26, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 27, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 28, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 29, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 30, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

March 31, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

April 01, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

April 02, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs and have Gray Reef Reservoir at a capacity of approximately 1,800 acre-feet (Elevation 5332.0 ft) by midnight.

April 03, 2024

0100 hours - Increase the release to the river from approximately 500 cfs to 2,000 cfs.

0300 hours - Increase the release to the river from approximately 2,000 cfs to 4,000 cfs.

0700 hours - Decrease the release to the river from approximately 4,000 cfs to 3,000 cfs.

0800 hours - Decrease the release to the river from approximately 3,000 cfs to 2,000 cfs.

0900 hours - Decrease the release to the river from approximately 2,000 cfs to 1,000 cfs.

1000 hours - Decrease the release to the river from approximately 1,000 cfs to 500 cfs.

Maintain this release until further notice.

cc: WY-6040
cc: E-Mail to: External

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(Goshen Irrigation District)
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(NE Dept. of Natural Resources.)
(Jim Ostdiek NE Dept. of Natural Resources)
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Western Area Power Admin, Rachelle Grubbs
Western Area Power Admin, ATTN: (J-4120) (Phone # 970-461-7247)

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Internal

WY-1000, WY-1100, WY-4000, WY-4100 (all), WY-4202, WY-4300 (all), WY-6000, WY-6040, WY-6100
WY-6300, WY-6310, WY-6330, WY-6350

GSFinnegan\DM\KJ\CS: March 4, 2024:(307)261-5626
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