

MEMORANDUM FOR THE RECORD

SUBJECT: Spillgate dogging mechanism rehabilitation in bays 1, 3 and 21 during spill season.

Narrative: FY23 funds were just made available to aide in repairing spillbay dogs which is one of the identified deficiencies for the McNary spillway (see 23MCN02MRF regarding failure of dogging devices in bay 16). With the need for urgency to address other dogging devices, the project mechanical engineer has detailed five bays in which to begin spill gate dogging mechanism rehabilitation, of these, bays 1, 3, and 21 will start during spill season, with the following estimated schedule.

Bays 1 and 3 work on downstream dogging assembly July 27 to September 12:

July 27 - Aug 3: Gates closed and hoist removal at bay 1 and 3.

Aug 7 - Aug 8: Dog removal at bay 1 and 3.

Aug 9 - Aug 30: Dog repair.

Aug 31 - Sept 5: Dog install at bay 1 and 3.

Sept 6 - Sept 12: Gate and hoist placement at bay 1 and 3.

Initially, as parts are being moved, some gates and adjacent gates may need to be closed briefly during the first day of work. Bays 1 and 3 will remain closed during for the duration. During work in the bays 1 and 3, July 27 to August 8, bay 2 will be dogged open and bay 4 will be closed with flow made up by bay 5 per the spill table at the bottom of FPP page MCN-52 with the current spill volume of ~82 kcfs. The remainder of the work in bays 1 and 3 occurs when the spill is 20 kcfs (only bays 14, 15, 18, 19 and 20 open) or outside the spill season.

Bay 21 work on upstream dogging devices August 7 to September 5:

Aug 7 - Aug 8: Dog removal at upstream bay 21.

Aug 31 - Sep 5: Dog install at bay 21.

Since this is the upstream dogging assembly, bay 21 and the adjacent bays 20 and 22, will only be closed on the day the dogging assembly is removed. At current flow volumes, bay 22 is already closed. The reinstall of the dogging devices will probably occur after the spill season and before the TSW in bay 20 is opened.

Bays 2 and 4 will be repaired next and outside the spill season. Project staff will continue working on the reaming dogging devices with intent to be completed before the spill next year.

Location: McNary spillway.

Method: Remove, repair, and reinstall dogging mechanisms in bays 1, 2, 3, 4 and 21 as described above with as little impact on the spill season as possible.

Timeline - Duration: well into next year.

A. Species: NA

B. Origin: NA

C. Length: NA

D. Marks and Tags: NA

E. Marks and Injuries Found on the Carcasses: NA

F. Future and Preventative Measures: Continue repairs on the spillway system.

G. Photos Taken: No

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