OFFICIAL COORDINATION REQUEST FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE – 23 MCN 06 Delay Removing TSW's
COORDINATION DATE – 5 June 2023
PROJECT - McNary Dam
RESPONSE DATE – 8 June 2023

Description of the problem- Per the Fish Passage Plan, TSW's at McNary Dam are to be removed starting on 8 June, unless coordinated differently via FPOM. Currently, there has been communication about a delayed closure and removal, which will be outlined below.

The process to remove the TSW's this season will require work at bays 6 and 13 initially. Stored gates need to be removed from these bays. At bay 6, the gate in use will be dogged open with bays 5 and 7 closed for approximately 45 minutes. The spare gate section will be moved to bay 17 for storage. Later, at bay 13, bays 12 through 14 will be closed for 45 minutes. The spare gate section will be moved to bay 19 for storage. This will be two brief closures in order to assemble all parts near bays 19 and 20.

The next phase requires closing bays 15-22 while the TSW's are being removed and standard spillgates are installed in bays 19 and 20, as described in the FPP. This closure will occur during working hours with only bays 19 and 20 remaining closed overnight until the work is completed.

Type of outage required- Brief closure of bays 5-7 and 12-14, about 45 minutes each.

Impact on facility operation (FPP deviations)- Delay removing TSW's. The two brief closures to move spillgate sections will occur the week of 12 June. TSW removal and standard gate installation will begin on 20 June at 0630 hours, and may take up to 5 working days.

Impact on unit priority- None.

Impact on forebay/tailwater operation- None.

Impact on spill- TSW's will continue to be used for spill operations until 20 June.

Dates of impacts/repairs- TSW removal will begin 20 June instead of 8 June.

Length of time for repairs- NA

Analysis of potential impacts to fish

1. 10-year average passage by run during the period of impact for adults and juvenile listed species, as appropriate for the proposed action and time of year;

   For the two weeks 8-20 June, average passage is 17,845 adult Chinook salmon and 203 adult steelhead at McNary Dam.

2. Statement about the current year's run (e.g., higher or lower than 10-year

average);

Currently Chinook salmon are near the 10-year average while steelhead are predicted to be below the 10-year average.

3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action);

   Counts at McNary Dam during 8-20 June makes up 4.5% of the average run for adult Chinook salmon and 0.2% for adult steelhead. In 2022, during the same dates, 14.3% of juvenile Chinook salmon and 1.1% of juvenile steelhead were observed in the smolt index.

4. Type of impact by species and age class (increased delay, exposure to predation, exposure to a route of higher injury/mortality rate, exposure to higher TDG, etc.);

   Prior biological evaluations suggest age 0 (fall Chinook salmon) juveniles may have lower survival passing through the TSW's than through standard spill.

Summary statement - expected impacts:

Downstream migrants: Age 0 (fall Chinook salmon) juveniles may have lower survival passing through the TSW's than through standard spill.

Upstream migrants (including Bull Trout): No impacts

Lamprey: N/A

Comments from agencies:

Final coordination results: Consensus Reached

After Action update:

During the TSW removal and install of standard gates, bays 19 and 20 remained closed (bay 16 is currently closed due to a failed hoist).

In order to retrieve gate parts from bay 6, which was dogged open, bays 5 and 7 were closed on 20 June, from 0825 to 1349 hours. Bays 14, 15, 17 and 18 were closed at 1100 hours for work in bay 19. Due to miscommunication, these bays were left closed overnight and were not reopened until work was completed on 21 June at 1545 hours. In order to retrieve gate parts from bay 13, on 22 June, bays 12 to 14 were closed from 0705 to 0805 hours. Bays 15, 17 and 18 were closed for the work in bay 19 from 0705 to 1041 hours. In preparations to work in bay 20, bay 21 was closed at about 1100 hours. Bay 19 through 21 remained closed through the weekend and into the next working day, 22 to 26 June.

For work in bay 20, in order to retrieve gate parts from bay 6, which was dogged open, bays 5 and 7 were closed on 26 June, from 0930 to 1545 hours. Bays 15, 17 and 18 were closed from 0730 to 1545 hours. Bay 21 was also opened at 1545 hours. Again, in order to retrieve gate parts from bay 6, which was dogged open, bays 5 and 7 were closed on 27 June, from 0645 to 0850 hours. Bays 18 and 21 were closed at 0654 hours. These gates and bay 20 were opened

at 1620 hours. Bay 19 was not opened as the hoist was not responding to the control program. After two days without success working on the control program, bay 19 was opened manually on 29 June at 1509 hours. Bay 16 remains closed due to failed hoist, which the project hopes to resolve in July.

Please email or call with questions or concerns.

Thank you,
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