

Fish Passage Plan (FPP) Change Form

Change Form # & Title: 24MCN002 – TSWs Summer Operation
Date Submitted: 10-JAN-2024
Project: McNary
Requester Name, Agency: Chris Peery, Corps NWW, and FPAC
Final Action: **FINALIZED 1-FEB-2024**

FPP SECTION: Chapter 5 (MCN), section 2.3.2.6. TSWs

JUSTIFICATION FOR CHANGE: Leaves both TSWs in through summer spill per FPAC recommendation.

PROPOSED CHANGES: *edits to existing FPP text in “Track changes”*

2.3.2.6. Temporary Spillway Weirs (TSW).

- i. McNary Dam has two temporary, or top, spillway weirs (TSWs) in spillbays 19 and 20 that provide surface routes for fish passage.
- ii. The TSWs can be opened and closed from the control room (unless they are attached to a crane, then a crane operator is required).
- iii. The process to remove the TSWs and re-install standard spill gate sections may take up to 5 workdays, ~~as described below.~~
- iv. The spill rate through each TSW is approximately 9.6 kcfs (19.2 kcfs total).
- v. Spring ~~and summer~~ spill for juvenile fish passage will ~~begin-occur~~ with both TSWs open per spill patterns in **Table MCN-7**, or the relevant Manual/Auto spill patterns in **Table MCN-11** (see **section 2.2.3**).
- vi. Both TSWs will be in service April 10 through August 31. The TSW in spillbay 20 will be operated for adult steelhead during the dates and times defined in the FOP (see section 6 of Appendix E) and summarized above in section 2.2. ~~June 7, then closed and removed starting on June 8 or the next workday (unless coordinated differently via FPOM). The process to remove the TSWs and install standard spill gate sections may take up to 5 workdays, depending on weather conditions and crane status. During this time, spill will be maintained at the FOP target level and distributed in patterns in **Table MCN-10**. To ensure worker safety, all bays being worked in and adjacent bays will be closed, including bays where gate sections are stored. Therefore, daily from about 0630–1700 hours, Bays 14–21 will be closed so gate sections can be retrieved and installed safely in Bays 19 and 20. During this time, spill will be averaged across Bays 1–13 and 22. At 1700 hours, Bays 14–18 and 21 will be re-opened.~~
- vii. ~~After both TSWs are removed and standard spill gate sections are installed, Bays 19 and 20 will be operated as conventional (deep) spillbays for the~~

~~remainder of juvenile fish passage spill season per patterns with no TSWs in Table MCN-9, or the Manual/Auto patterns w/ NO TSWs in Table MCN-11.~~

COMMENTS:

21-NOV-2023, Chris Peery, Corps NWW:

The question of the date TSW's are removed in summer has come up several times at FPOM. Attached is a summary of summer passage evaluations for subyearling Chinook salmon with TSW's at McNary Dam that Eric Hockersmith put together a few years ago. I also attached the report on tracking adult steelhead through the TSW related to overshoot spill operations.

NOTE: Both reports are posted on the FPP [website](#) with this change form as Attachment 1 (Hockersmith) and Attachment 2 (PNNL).

10-JAN-2024, Trevor Conder, NOAA:

At FPOM, we are going to recommend keeping both TSW's in for 2024. This is consistent with the FPAC recommendation. The future op decision can be prolonged until after modeling and eval.

11-JAN-2024, FPOM Task Group:

Lorz: Consensus from FPAC is to leave 'em in. Because of the condition of the MCN spillway and the fact that those bays would have to be split leaf after the TSWs come out. Ideally, we'll get some information from this summer's operation to evaluate.

RECORD OF FINAL ACTION: Finalized at the FPOM FPP meeting 1-FEB-2024.