# Fish Passage Plan (FPP) Change Form

**Change Form # & Title**: 23LMN003 - Drawdowns

**Date Submitted**: 18-DEC-2022; REVISED 3-FEB-2023

**Project**: Lower Monumental Dan

**Requester Name, Agency**: Denise Griffith, USACE NWW

**Final Action: APPROVED 9-FEB-2023**

**FPP Section**: Chapter 7. Lower Monumental Dam, section 2.3.2.1, iv.

**Justification for Change**: At Lower Monumental, the drawdowns are checked once a week as stated in the FPP. The differential is compared to the clean trash rack value from the beginning of the season, usually March. To get the most accurate reading to compare the current differential to, the MW load should be as close to the load running the day the clean trash rack differential was. Otherwise, the differential is not accurate and trash racks cleaning is performed when it is not necessary for the cleaning to take place.

This season, Lower Monumental staff was able to schedule one day each week to run the units at the same MW load as the clean track rack value to accurately check the trash measurement. From that measurement, it can be determined if the trash racks need to be cleaned. The drawdowns were also checked the remaining weeks without the comparison load. There was a difference in the drawdown measurements.

By checking the drawdowns at a measured MW load and then compared to the clean trash rack value, the most accurate measurement can be obtained. Therefore, the other measurements taken have no purpose.

**Proposed Change**: *[edits to existing FPP in track changes]*

**2.3.2. Juvenile Facilities - Fish Passage Season (March 25\* - 3rd week of December)**

*\*In 2023, the bypass system will begin operation March 1 with screens installed in at least the first three priority units. Condition sampling will occur as described in Appendix J.*

 **2.3.2.1. Forebay Area and Intakes.**

**iv.** Log gatewell drawdown differentials in bulkhead slots at least once a week April 1\* through June 30 *(except in 2023 when bypass operations begin March 1)* and once every two weeks (bi-weekly) for the remainder of the operating season. At least one measurement each month will be at the measured MW load compared to the clean trash rack differential.

**Comments**:

3-FEB-2023 FPOM FPP Meeting:

Van Dyke – is this reduction because of staffing issues?

Griffith – no. The data aren’t comparative because if you’re not measuring differentials at the same MW load than it doesn’t mean anything. So they are proposing to set MW load to compare. They look at it every day but don’t do measurements every day. Proposing to measure in a way that’s actually useful.

Conder - understand it should be comparable but concerned with reduced frequency. Weekly during main portion of fish passage season. As debris load drops, it’s ok to do what other projects are doing. Really appreciate intent to improve accuracy.

Ebel – prefers “bi-weekly” rather than “twice per month” so it clarifies frequency. Otherwise they could measure on two consecutive days and be good for the month.

Griffith – yes, the intent is bi-weekly so we can change that.

St. John and Griffith will re-word based on feedback and add to FPOM agenda next week.

PENDING

6-FEB-2023 – Scott St. John via email: “Modified language for drawdowns to align with verbiage similar to LGS.  This does not reduce frequency of drawdowns during spring, which FPOM was concerned about.”

**Record of Final Action**: Approved at FPOM Feb 9, 2023