

**MEMORANDUM FOR THE RECORD**

**SUBJECT: Further Delayed Start-up**

**Narrative:** As mention in 21 MCN 01, early start up was already delayed for separator rehabilitation. The separator perforated floor plates arrived on March 8. The plates are quite large but with the help of the General Maintenance staff, they were laid in place March 10 at 1030 hours. Installation should be completed on or before March 18. However, another issue has arisen.

During winter maintenance, the mechanics found the rectangular screen brush required a new drive clutch bearing. This item was special ordered and took several weeks to arrive on March 8. The installation of the part would have only taken one day. Unfortunately, the part came with a keyway slot missing. The outside mechanical crew leader estimates 2 to 5 weeks for the contractor to resolve the issue. Considering the part comes from Missouri and took several weeks to get here last time, the 5-week estimate is probably realistic.

Any form of early start up for 2021 is very unlikely to occur. Until the rectangular brush can be returned to service, the juvenile system will remain in emergency bypass, which was started on February 11 for the adult steelhead TSW passage efficiency study. With a 5-week delay, the estimated date for the first sample collection could occur would be April 20.

**Location:** Juvenile fish channel and facility.

**Method:** The rectangular screen cleaning brush needs to be repaired before the system can be switched out of emergency bypass.

**Timeline - Duration:** Sampling will be delayed into Mid-April.

**A. Species:** There were no known fish losses. No sampling and no fallback counts will occur until Mid-April.

**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:** The problem described above was not preventable. A properly built part would have been installed on March 9. Ordering a spare part for the future is prudent.

**G. Photos Taken:** None.

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