

**MEMORANDUM FOR THE RECORD**

**SUBJECT: South shore ladder set to one fish pump operation per FPP for season start.**

**Narrative:** Fish pump 3: Remains out of service and is disassembled. Currently, there are electrical parts on order. These parts will need to be installed, the stator will need to be repaired, and the pump needs to be reassembled. Current return to service date is mid to late April.

Fish Pump 2: During the current winter outage, a faulty electrical pole was found on the rotor. No parts are required. The pump is currently out of service. The pump will need to be disassembled, the pole repaired, and then the pump must be reassembled. Current return to service estimate is mid-July if no issues are found when disassembled.

The best path forward, in order to get two pumps in service, is to repair pump 3, return it to service and then begin repairs on pump 2.

To start the fish passage season, by February 28, the south shore ladder will be set to operate per the FPP, page MCN-25, 3.3.2.4. v.

v. If two pumps are expected to be out of service six days or longer, then the middle eight of twelve open floating orifices (4, 8, 14, 21, 26, 32, 37, 41) should be closed and monitored before closing main entrances. If extra water is still needed, NFE3 will be closed and SFE1, SFE2, NFE2 will be operated as deep as possible to maintain head differential at 1–2' at both north and south PH entrances.

**Location:** South shore ladder.

**Method:** The ladder will be adjusted per the FPP to operation with one functional fish pump, which is Fish Water Attraction Pump 1.

**Timeline - Duration:** Fish pump 3 is estimated to be down for 1.5 to 2 months. Fish pump 2 is estimated to be down 4.5 months. Operating the south shore ladder with one fish pump will occur for approximately 1.5 to two months.

**A. Species:** Adult Chinook salmon and steelhead will be passing McNary Dam during affected period March, April 2022.

**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 to strive to get ladder systems upgraded.

**G. Photos Taken:** None.

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