

**MEMORANDUM FOR THE RECORD****SUBJECT: 24JDA18 Submersible Traveling Screen (STS) Motor Failure in MU1C**

On 1 October 2024, at 0600 John Day Fisheries (JDF) noticed the amps for the STS screen in MU1C was not reading on the PLC. JDF immediately called the control room and they sent an electrician (JDE) to investigate the problem. They discovered that the indication readout for the amps had failed. The camera train was then used to verify that the screen was still running, and it was. JDE switched out a transformer to fix the indicator and at that time the STS motor failed.

Per FPP **3.1.2. Submersible Traveling Screen (STS)** “From April 1 through December 15, a turbine unit cannot operate without a full complement of functioning STSs”. MU1 was forced out of service at 1127 and was returned to service at 1355 after swapping out the STS with the failed motor (#43) with a working STS (#42). MU2 is currently down for its scheduled 5-year maintenance, but MU3-5 were running to provide attraction flow to the South fish ladder.

- A. Origin – Unknown
- B. Length – Unknown
- C. Marks and tags – Unknown
- D. Marks and Injuries found on carcass –N/A
- E. Cause and Time of Death – N/A
- F. Future and Preventative Measures- Continue to monitor the JDF PLC upon arrival at work to catch any issues early, and ensure sufficient spare sparts for STSs

Sincerely,

Project Fisheries