

**MEMORANDUM FOR THE RECORD: 21 LWG 13**

**SUBJECT: Lower Granite AWS Pump 1 Failure**

AWS pump 1 tripped offline at 1545 hours October 25. Powerhouse operators found the AWS pump 1 disconnect had blown fuses and the coil was on fire. The electricians replaced the fuses and coil the next day. After trying to start the pump several times and several hours of troubleshooting it was determined there was an additional issue with pumps stater motor on the same circuit and AWS pump 1 would remain out of service. AWS pump 2 was taken offline to support swapping stoplogs to bring AWS pump 3 online at 0720 hours October 27. AWS pumps 2 & 3 were returned to service at 0810 hours October 27.

Fishway channel tailwater differentials were not met during AWS pump 1 outage. A fishway inspection was conducted after AWS pumps 2 & 3 were returned to service and the fishway has been returned to criteria. The project will continue to troubleshoot source of failure for AWS pump 1.

- A. Species – N/A
- B. Origin – Unknown
- C. Length – N/A
- D. Marks and tags – N/A
- E. Marks and Injuries found on carcass – N/A
- F. Cause and Time of Death – N/A
- G. Future and Preventative Measures – N/A

Sincerely,  
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