

CENWW-ODL

April 7, 2021

MEMORANDUM FOR THE RECORD: 21 LWG 05

SUBJECT: AWS Pump Thrust Bearing Failure

LWG adult fish ladder collection channel AWS pump 1 tripped offline at 0206 hours April 7 due to high thrust bearing temperatures. The mechanical crew determined AWS pump 1 thrust bearing failed and would need to be replaced. Repairs will take 2-3 weeks of direct work time to complete.

AWS pump 1 was swapped with pump 3 and the ladder was returned to normal operation at 1600 hours April 7. Operation of AWS pump 3 will delay scheduled lower guide bearing rebuild until pump 1 can be returned to service. An MOC will be sent out prior to swapping back to AWS pumps 1 & 2 operation.

- A. Species – NA. The ten-year average salmonid passage for April 7 is 1 Chinook and 112 steelhead.
- B. Origin – NA
- C. Length – N/A
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – NA
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – Continue to proactively rebuild lower guide bearing and inspect/replace thrust bearing.

Sincerely,
Elizabeth Holdren
Lead Supervisory Fisheries Biologist
Walla Walla District
Lower Granite Project
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