

**MEMORANDUM FOR THE RECORD 19 MCN 15**

**SUBJECT: Loss of Fish Pump 3**

On August 6, at 2224 hours, fish pump 3 tripped off line due to an alarm. The pump temperature monitoring device was displaying a wide range of pump temperatures. It was suspect the monitoring device was faulty but as a precaution, the pump was removed from service so all systems could be examined. This left one fish pump in operation as fish pump 1 is still down for major overhaul. For one fish pump operation, NFEW3 was raised per FPP 3.3.2.4. iv. The ladder criteria was monitored and maintained as best as possible.

On August 7, fish pump 3 was thoroughly inspected. The temperature monitoring device was replaced. At 1525 hours, the pump was tested. From 1529 to 1558 hours, both pumps 2 and 3 had their blade angles set to zero so NFEW3 could be lowered. By 1605 hours, the ladder was back in criteria. The ladder inspection that day showed NFEW3 raised with SFEW1 and SFEW2 at 5.7 feet. These were the only points out of criteria.

Species – no fish mortality occurred. With 17.5 hours of the Oregon ladder operating with one fish pump (approximately 11 hours of day light) and partially out of criteria, some delay in adult fish passage could have occurred.

- A. Origin – NA
- B. Length – NA
- C. Marks and tags – NA
- D. Marks and Injuries found on carcass – NA
- E. Cause and Time of Death – NA
- F. Future and Preventative Measures – Continue to upgrade the Oregon ladder auxiliary water system.

No photo available.

Sincerely,

Bobby Johnson/Denise Griffith  
Project Fisheries Biologists  
McNary Lock and Dam