

MEMORANDUM FOR THE RECORD**SUBJECT: 20TDA05 Fish Unit 1 outage and AWS operation**

On 6/12/20 at 0706, fish unit 1 was forced out of service due to suspected top plate pump failure causing the turbine pit to flood. However, all 3 pumps were operating. A fourth pump was added, which kept up to the leakage. Suspecting shaft seal failure, headgates and taillogs were installed. No fish were found when the scroll case was fished at 1500. As of 6/15/20, maintenance is continuing investigation. The return date is to be determined.

Fish unit 2 was maximized from ~2500cfs to ~2700cfs. The emergency AWS was open 6/12/20 AM after determining the extent of the problem adding ~1500cfs. Overall discharge to east fishway is reduced by ~800cfs under this operation, however entrance weir adjustments have been able to maintain entrance criteria per Fish Passage Plan. The AWS intake differential will be monitored for debris buildup during its operation.

- A. Species – NA
- B. Origin – NA
- C. Length – NA
- 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 – NA

Sincerely,
Project Fisheries

Update 6/29/20:

Fish unit 1 was returned to service on 6/29 at 0959. AWS backup supply was closed just prior. Entrances were adjusted for an increase in auxiliary water from ~4200cfs to ~4800cfs.