
Fish Passage Plan (FPP) Change Request Form

Change Form # & Title: 16TDA006 – PUD Trashing
Date Submitted: December 7, 2015; Revised January 11, 2016
Project: TDA
Requester Name, Agency: Bob Cordie, The Dalles Fisheries
Final Action: WITHDRAWN – January 28, 2016

FPP Section: TDA 4.3.1.3. Adult Facilities – Routine Maintenance

Justification for Change: In the original change form, it was thought the PUD turbine was lowered or shut off to rake the intake. However it was actually for concerns over work activity 80' from the fishway exit (within 100' limit). Therefore FPOM recommended reviewing diel graphs to determine better timing. Upon further consideration, this activity restriction is likely an unnecessary requirement considering the following analysis:

- 1) The count station window brush mechanism is frequently operated during fish passage. Observations have been made numerous times with no obvious negative fish reaction. Fish have actually been observed passing through the frame of the mechanism while the brush was rotating.
- 2) The John Day SMF primary dewatering structure often has adult salmonids holding. It was thought operating the screen brush would move them downstream. However, they would simply move out of the way while the brush passed. Cameras were installed on the brush revealing the same information. This operation is most similar to PUD trashing operation.
- 3) Tribal lamprey trapping occurs at the east count station during mid to late summer. To access traps personnel remove deck grating which creates loud noise. Several observations were made at the count station and pool immediately downstream during this work. No obvious negative fish reaction was observed.

These 3 activities would seem to have much more negative fish passage affect than raking the PUD trashrack simply due to much closer proximity and greater amount of noise. But nothing has yet to be observed through numerous observations.

Proposed Change:

4.3.1.3. Adult Fish Ladders and Counting Stations. The adult fish ladders will be dewatered once each year during the winter maintenance period. Unless specially coordinated, only one ladder will be dewatered at a time, with the other ladder capable of operating within criteria. During this time, the ladders are inspected for blocked orifices, projections into the fishway that may injure fish, stability of the weirs, damaged picket leads, exit gate problems, loose diffuser valves, ladder orifice reduction plates, malfunctioning equipment at the counting stations, and other potential problems. Problems identified throughout the passage year that do not affect fish passage, as well as those identified during the dewatered period are then repaired. Trashracks at the ladder exits and the north AWS intake will be raked when criteria are exceeded. ~~Rake trashracks between 1100 and one hour prior to sunset.~~ Fish count station windows will be cleaned when necessary, and when practicable.

Comments:

12/17/2015 FPOM Meeting: revise to clarify timing based on review of diel activity.

1/11/2016: Cordie revised Justification and resubmitted for FPOM review.

1/28/2016 FPOM FPP Meeting: NOAA, CRITFC want to leave the language as is.

Record of Final Action: WITHDRAWN – January 28, 2016