

FPP Change Request Form

Change Form# & Title: 15TDA003 – Fish Lock
Date Submitted: October 30, 2014
Project: TDA
Requester Name, Agency: TDA Fisheries Section
Final Action: APPROVED – [January 22, 2015](#)

FPP Section: TDA 4.3.2.1.b. Adult Passage Facilities – Non-Routine Maintenance – Fishway Auxiliary Water Systems.

Justification for Change: This has been tested with one of the valves. It provided several hundred cfs to the east fishway entrance. This procedure should be in place until we have 1400 cfs backup system installed and possibly in conjunction with the 1400 cfs system after it's installed.

Proposed Change: Add new paragraph **b.4.**

4.3.2.1.b. If both of the fishway auxiliary water turbines fail or malfunction, regardless of fish passage season, the adult fish passage facility will be operated as follows:

b.1. Raise the south entrance weirs to elevation 81' msl (closed position).

b.2. Close west entrance.

b.3. Close entrance weir E1 and E2 and keep E3 at 6' depth.

[b.4. Open two available fish lock valves and associated four diffusers to provide most possible water to the east auxiliary water system.](#)

Comments from others:

16-Jan-2015 NOAA memo: “Generally, this looks like a good change, however it does need a little more detail. What is the additional flow per valve (what does several hundred cfs mean)? Does this additional flow change the gate closures listed above it (b.1-3)? Have both valves been tested at the same time? How does the addition of this flow change the hydraulics in the junction pool diffuser area (if at all)?”

22-Jan-2015 FPOM: Fredricks would like to know more about the hydraulics of the fish lock. **ACTION:** Cordie will provide more information about the hydraulics of the fish lock (see questions in NOAA memo). Also, Lorz and Fredricks recommended including the repair of the 36” valve in the Back-up AWS work. They will bring it to the NWP FFDRWG on 5 February.

Record of Final Action:

22-Jan-2015 FPOM – APPROVED.