

## FPF Change Form

**Change Request Number:** 10TDA008

**Date:** February 5<sup>th</sup>, 2010

**Proposed by:** David Benner, FPC

**Location of Change-** TDA 4.3.2.1.a and b

### Current Language:

**a. Powerhouse.** If one of the two fishway auxiliary water turbines fails or malfunctions for eight hours or longer, use the following sequential procedure until a fishway entrance head of 1' is achieved:

1. Increase discharge of remaining operating fish unit to maximum operating capacity.
2. Raise entrance weir E2 and E3 to 8' depth.
3. Close entrance weir S1.
4. Close entrance weir S2 in 1' increments.
5. Close entrance weir W2 in 1' increments.
6. Close entrance weir W1 in 1' increments.
7. Differentials for open entrances should be checked between each of the above steps.

**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:

1. Raise the south entrance weirs to elevation 81' msl (closed position).
2. Close west entrance.
3. Close entrance weir E1 and E2 and keep E3 at 6' depth

### Proposed Language:

**a. Powerhouse.** If one of the two fishway auxiliary water turbines fails or malfunctions for eight hours or longer, use the following sequential procedure until a fishway entrance head of 1' is achieved:

1. Increase discharge of remaining operating fish unit to maximum operating capacity.
2. Raise entrance weir E2 and E3 to 8' depth.
3. Close floating orifice gates 1,2,18,19 (if long term malfunction)
- ~~4~~3. Close entrance weir S1.
- ~~5~~4. Close entrance weir S2 in 1' increments.
- ~~6~~5. Close entrance weir W2 in 1' increments.
- ~~7~~6. Close entrance weir W1 in 1' increments.
- ~~8~~7. Differentials for open entrances should be checked between each of the above steps.

**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:

1. Close floating orifice gates 1,2,18,19 (if long term malfunction)
- ~~2~~1. Raise the south entrance weirs to elevation 81' msl (closed position).
- ~~3~~2. Close west entrance.
- ~~4~~3. Close entrance weir E1 and E2 and keep E3 at 6' depth

**Reason for Change:** Under a long term outage of one or more fishway turbines, floating orifice gates should be closed before main entrances.

### Comments from others:

USFWS- I think these change forms need more discussion at FPOM.

NOAA- I thought these orifices were already closed. Needs more discussion in FPOM.

CRITFC- agree with NOAA what orifices are still open thought we had dealt with them

TDA Fisheries- My only comment was he seemed to confuse TD with JD. We no longer have FOGs and we only have 2 fish units at TD. TD orifices are closed. There was also a reference to 3 fish units at TD. Obvious mix up with JD.

**Record of Final Action:** This change form is not approved.