

**Change Request Number: 11TDA005**

**Date: 11/2/10 updated on 2/3/2011**

**Proposed by: TDA Fisheries**

**Location of Change: 2.4.1.2.a**

**Proposed Change: a.** Measure gatewell drawdown a minimum of once per week, and more frequently, three times per week or more, as needed during high debris periods. Clean trashracks as flow conditions dictate, or when drawdown in gatewell slots exceeds 1.5'. ~~Rake trashracks in front of turbine units FU-1 through at least main unit 5 again between June 1 and June 15.~~ All trashracks can be raked using the Hammerhead crane.

**Accepted change: a.** Measure gatewell drawdown a minimum of once per week, and more frequently, three times per week or more, as needed during high debris periods. Clean trashracks as flow conditions dictate, or when drawdown in gatewell slots exceeds 1.5'. Units 3 (or any other unit 1-5 which minimizes fish impacts), 8, and 18 will be inspected by ROV between June 1 and June 15. This will determine if there is a debris buildup on the trashracks. If so, trashracks will be raked. Rake trashracks in front of turbine units FU-1 through at least main unit 5 again between June 1 and June 15. All trashracks can be raked using the Hammerhead crane.

**Reason for Change:**

Affect to fish passage – The sluiceway gates at unit 18 and unit 1 will be closed for ~3hours each to conduct the ROV inspection. This period lands between spring and summer outmigration. Unit priority per FPP will be affected by turning off unit 1 and 2 for the ROV. Fish unit operation for adult attraction water will not be affected.

Debris history - Unit intakes are inspected via ROV prior to season start. There has historically not been enough debris to require raking. Debris is not normally a problem at The Dalles like it is at other dams. The operation of the sluiceway and spillway seem to keep The Dalles relatively debris free.

Unnecessary labor cost – Raking requires a crane crew approx 50hrs crew labor to run the rake over the required units, which is an unnecessary effort given the history of debris at The Dalles. ROV inspection is much more cost beneficial.

**Comments from others:**

NOAA Fisheries- We disagree with this, the racks should be raked or at least inspected between June 1 and 15. The reason for the change was unclear. Discuss in FPOM.

USFWS- Do not support. More discussion and clarification at FPOM needed. What has changed since the requirement to rake was initiated?

TDA Fisheries- debris is not an issue and the raking is an unnecessary effort. The Project could ROV the trashracks but fish units would need to be closed. ROV could be done in less than a day. Raking would take enormous effort. Structural can rake two units a day.

**Record of Final Action:** Cordie reported that Unit 2 would not be the best unit since you would still need to close the Unit 1 sluice gates. The next unit which does not require closing the sluice gates would be inspected. Fredricks suggested ROVing units 1-5 and 18 instead of just two units. FPOM is ok with closing the sluicgate during the inspection. **Approved with changes at February FPOM.**