

**OFFICIAL COORDINATION REQUEST FOR  
NON-ROUTINE OPERATIONS AND MAINTENANCE**

**COORDINATION TITLE- 20TDA02 MOC FUB Ground Troubleshoot**

**COORDINATION DATE- 3/5/20**

**PROJECT- The Dalles**

**RESPONSE DATE- 3/6/20**

**Description of the problem**

Fish unit breaker contract was completed. Part of the commissioning process requires operation through the redundant bus T3. During the testing, grounding issues were discovered. It appears this grounding detection is minor and will not force the units out of service. However it's imperative that this investigation is completed to insure it will not create a forced outage in the near future. In order to help identify the source, each fish unit requires off line for ½ hour. The remaining unit will be operated to maximum.

**Type of outage required - Fish units 1 at a time.**

**Impact on facility operation (FPP deviations)**

Reduces attraction flow at entrances. One fish unit operation guidelines per FPP will be followed.

**Impact on unit priority**

None

**Impact on forebay/tailwater operation**

None

**Impact on spill**

None

**Dates of impacts/repairs – Mar 9 and 10**

**Length of time for repairs -** Approximately 1/2 hour per unit outage. One unit outage each day. The outage will occur from 0630-0700 each day.

**Analysis of potential impacts to fish**

1. 10-year average passage by run during the period of impact for adults and juvenile listed species, as appropriate for the proposed action and time of year;

<https://www.nwfsc.noaa.gov/research/divisions/fe/estuarine/oeip/g-forecast.cfm>

**Historically few Chinook pass The Dalles in March. Normally single digit to couple hundred. With an outlier year of 7,227 in 2003. Steelhead passage is normally 600 to just over 2,000 in March.**

2. Statement about the current year's run (e.g., higher or lower than 10-year average); **Spring Chinook passage has just started. Bonneville passed 7 chinook and 1,346 steelhead to date. Most of the steelhead a likely winter run**

**into tributaries downstream of The Dalles. No counting has occurred at The Dalles yet.**

3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action); **Expected minimal impact to Chinook and Steelhead. During east fish unit outage, the east and west entrance should maintain close to entrance criteria. South will likely be short on criteria. The outage will occur 0630 – 0700 each day.**
4. Type of impact by species and age class (increased delay, exposure to predation, exposure to a route of higher injury/mortality rate, exposure to higher TDG, etc.);  
Adult

**Summary statement - expected impacts on:**

**Downstream migrants** - No impact due to location.

**Upstream migrants (including Bull Trout)** - Minimal to no impact. Given very few fish passing, only 1 of 2 fish units out at a time, the short duration of the outage and the timing of the outage, no impact is expected from this work. .

**Lamprey** –Minimal to no impact since it is past the typical migration period.

**Comments from agencies – No comments were received.**

**Final coordination results – this action will move forward as described.**

**After Action update** – Operations was able to transfer 1 fish unit at a time from T1 to T3 during the test. This resulted in only several minutes of flow reduction during each swap with minimal entrance criteria shortage. The adjustment where made during the time coordinated. Fish counts were not monitored during this time.

Please email or call with questions or concerns.  
Thank you,  
Erin

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