

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

COORDINATION TITLE- 17TDA24 Fish unit breaker asbestos sampling

COORDINATION DATE- Oct 10, 2017

PROJECT- The Dalles Dam

RESPONSE DATE- Oct 25, 2017

Description of the problem - The fish unit breaker replacement project has an install/swap over date of Jan 2018. Contractors need to determine asbestos presence on FZJ1 and FZJ2 breakers prior to work. They would like this to occur 31 October and 1 November. This would allow time to establish work plan prior to the winter outage.

Type of outage required – It would require a 3-4 hours outage of both fish units simultaneously. It can be completed at night between 9PM to 4AM.

Impact on facility operation –With both fish units off, there will be no attraction flow for the east fish ladder. No weir adjustments are planned.

Dates of impacts/repairs – 31 October and 1 November

Length of time for repairs – 3-4 hours

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.**

Total for both fish ladders chinook passage 10 year average on these dates is 129-210 fish per day. Steelhead passage is 184-196 fish per day. Coho passage is 17-55 per day. No data could be found for night passage on these dates.

- 2. Statement about the current year's run (e.g., higher or lower than 10-year average).**

Current Chinook run is presently tracking at 10 year average. Current Steelhead and Coho runs are tracking about 70% of 10yr average.

- 3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action).**

There will be no spill during this time, therefore ~95% of passage will be via east fish ladder. Using night passage estimates very few fish will be affected by this outage- approximately Chinook 2, Steelhead 12, Coho 1.

- 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.)**
For the small percentage of chinook, coho and steelhead that pass at night, this could potentially increase passage time.

Summary statement - expected impacts on:

Downstream migrants – No impact expected on juvenile passage.

Lamprey – No impacts expected. Misses normal lamprey run timing.

Bull Trout – impacts to Bull Trout are expected to be similar to other upstream migrating salmonids. Very few Bull Trout have been counted at TDA in the last 10 years.

Expected impacts on fish passage –

Upstream migrants – Likely impacts to some east fish ladder bound fish. Estimates stated above. North ladder will be in full operation.

Downstream migrants – No impact. Does not affect juvenile passage routes.

Lamprey – No impacts expected. Lamprey passage normally does not occur during March.

Comments from agencies

Final Results – FPOM concurred with this action at the October meeting.

After Action Update – The outage was canceled and the contractor figured out an alternative method.

Please email or call with questions or concerns.

Thank you,

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