

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

COORDINATION TITLE- 16TDA09 BPA powerhouse outage

COORDINATION DATE- 9 Aug 2016

PROJECT- TDA

RESPONSE DATE- 11 Aug 2016 (FPOM meeting)

Description of the problem- BPA is requesting a complete powerhouse outage Oct 13, 2016 from 0700 – 1600 for Big Eddy 013 IMACS maintenance. This will include Fish Units 1 and 2 that provide attraction water to the east fishway. The north fishway will be in operation with attraction flow during that time. Spill will be implemented.

Type of outage required- Entire powerhouse, including Fish units 1 and 2.

Impact on facility operation- No attraction flow to the east fishway

Dates of impacts/repairs- All powerhouse units Oct 13, 0700 – 1600.

Length of time for repairs- 9 hours

Expected impacts on fish passage- Total salmonid passage for The Dalles will be well past the fall peak. Ten year average for Oct 13 per DART is; 1256 adult Chinook, 326 jack Chinook, 1000 Steelhead and 631 Coho. If spill is maintained under 100K, fish will likely be attracted to the north and still be able to get through the north shore spill turbulence. Exceeding 100K has resulted in passage blockage near the north entrance. Past spill of 40-60%, with both east and north fishway in operation, attracts ~20-30% passage to the north. With east fishway attraction off, the remainder will likely be attracted and pass the north.

This improvement will provide redundancy to the powerhouse insuring that all units will remain on line during an IMACS failure. This would reduce the risk of excessive spill that would block the north ladder passage. It will also insure unit priority per the Fish Passage Plan will be maintained.

Comments from agencies

-----Original Message-----

From: Tom Lorz [mailto:lort@critfc.org]

Sent: Friday, August 12, 2016 10:47 AM

To: Kovalchuk, Erin H NWP <Erin.H.Kovalchuk@usace.army.mil>

Subject: [EXTERNAL] Re: FPOM: Official Coordination 16TDA09 MOC powerhouse outage

after the meeting on Thursday and looking at adult data we would suggest that the work start later in the day ideal around the noon time to allow the early morning fish to get in the ladder and pass to reduce delay. With that modifications the MOC is acceptable.

thanks

tom lorz

-----Original Message-----

From: Bettin, Scott W (BPA) - EWP-4 [mailto:swbettin@bpa.gov]

Sent: Friday, August 19, 2016 4:05 PM

To: Kovalchuk, Erin H NWP <Erin.H.Kovalchuk@usace.army.mil>; Cordie, Robert P NWP <Robert.P.Cordie@usace.army.mil>

Subject: RE: [EXTERNAL] Re: FPOM: Official Coordination 16TDA09 MOC powerhouse outage

Thanks! Since we have it now scheduled for noon we are good to go. Ok technically 11:30 which is when the switching will begin. Have a good weekend. -s

Final results – This project will move forward with the coordinated noon start time. Approved at the September FPOM.

Please email or call with questions or concerns.

Thank you,

Bob Cordie (and Scott Bettin)

TDA Project Fisheries

541-506-7800

Robert.p.cordie@usace.army.mil

Erin Kovalchuk

NWP Operations Division Fishery Section

Columbia River Coordination Biologist

Erin.H.Kovalchuk@usace.army.mil