

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

COORDINATION TITLE- 20BON11 F1 outage

COORDINATION DATE- March 26, 2020

PROJECT- Bonneville Dam

RESPONSE DATE- March 26, 2020 (Special FPOM call)

Description of the problem-Fish unit 2 (F2) just had a significant oil spill into the headgate A slot on 15 March. While repairing the corroded pipe, maintenance crews discovered similar corrosion in the B slot. Considering the failures in F2, Bonneville would like to take down Fish Unit 1 (F1) for inspection to prevent further failures.

Type of outage required: F1 would be taken out of service as soon as F2 returned to service (anticipated to be 3/26 in the afternoon). F1 would be out of service for 1-2 days for inspection. If repairs are needed, they could be accomplished in 4 days. With PH2 already in one fish unit operation, this would just be swapping units and continuing the one fish unit ops for several more days.

Impact on facility operation (FPP deviations) – One fish unit would be out of service

Impact on unit priority - none

Impact on forebay/tailwater operation - none

Impact on spill - none

Dates of impacts/repairs -3/26-30/2020

Length of time for repairs – Up to four days

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;

Date	10 YR Chinook	10YR Steelhead
3/26	20	56
3/27	24	62
3/28	37	64
3/29	43	62
3/30	33	68

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

This year's run is expected to be similar to last year and slightly below the ten year 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);

The percentage of the run impacted by this action is very small.

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.);

Fish delaying in the tailrace would be exposed to increase pinniped predation; however, the number of pinnipeds is very low.

Summary statement - expected impacts on:

Downstream migrants – this action would not affect downstream migrants

Upstream migrants (including Bull Trout) – this action could delay migrating salmon. The Washington shore ladder will remain in one fish unit operation. Very few pinnipeds are present in the tailrace.

Lamprey - this action is not expected to impact lamprey since the work takes place before the migration season

Comments from agencies

CRITFC

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

From: Tom Lorz [mailto:lorz@critfc.org]
Sent: Thursday, March 26, 2020 8:17 AM
To: Kovalchuk, Erin H CIV USARMY CENWP (US)
<Erin.H.Kovalchuk@usace.army.mil>
Subject: [Non-DoD Source] Re: FPOM: Official Coordination 20BON11

please do and replace now prior to high flows and hopefully high numbers of fish.....

WDFW

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

From: Charles Morrill [mailto:cfm97@me.com]
Sent: Thursday, March 26, 2020 8:40 AM
To: Kovalchuk, Erin H CIV USARMY CENWP (US)
<Erin.H.Kovalchuk@usace.army.mil>
Subject: [Non-DoD Source] Re: FPOM: Official Coordination 20BON11

☺. The sooner this gets done, the better

Charlie

ODFW

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

From: Erick VanDyke [mailto:Erick.S.VanDyke@state.or.us]
Sent: Thursday, March 26, 2020 12:30 PM
To: Hausmann, Benjamin J CIV USARMY CENWP (USA)
<Benjamin.J.Hausmann@usace.army.mil>
Cc: Kovalchuk, Erin H CIV USARMY CENWP (US)
<Erin.H.Kovalchuk@usace.army.mil>; Mackey, Tammy M CIV USARMY CENWP
(USA) <Tammy.M.Mackey@usace.army.mil>
Subject: [Non-DoD Source] RE: FPOM: Official Coordination 20BON11

Hi Ben,

Thanks for the information on the fish unit oil spill during today's coordination meeting. Your input was helpful. As I mentioned during the meeting, I feel it is important to correct the problem as completely as possible while including concerns brought up by Trevor Conder and Tom Lorz. One clarifying question I failed to ask was regarding the grade of oil used in the fish units. Are the fish units using environmentally safe oils, or are they using some other oil? Appreciate any information you might be able to share on that. Stay well.

Erick
503-428-0773

Final coordination results – Special FPOM call:

20BON11 MOC F1 Outage – The MOC was sent out earlier in the day on 26 March. There was an oil spill in the head gate slot of F2 due to a hydraulic pipe about two weeks ago. The project would like to be proactive about the other fish unit. The ladder is currently at one fish unit operation. Conder is fine with the inspection but has concerns that now we are outside of the IWWP. He would like to know if the equipment is available to repair the pipe. The risk of having the fish unit down during this time is excessive. Conder would like to know if the pipe really has to be fixed or if it can limp by until the next IWWP. The inspection will take a day and the repair work should take three days so a complete work week total. Lorz agrees with Conder but also wants it fixed if it needs to be done. Morrill said he will leave the condition assessment to the experts but would prefer to fix the pipe prior to the peak of the run. VanDyke asked if the equipment is available. Hausmann said that the crews would do the work in house and know what needs to be done since they just repaired the other slot. Hausmann confirmed that the current operation is one fish unit and that without this request, the project would return to two fish unit operation. The project would like to continue the one fish operation to address the other slot. Hausmann will send out an assessment after the inspection.

After Action update – F1 was taken out of service at 0747 on 27 March and returned to service at 1357 on 29 March. Similar to F2, repairs were made to corroded pipes to prevent additional oil spills. No fish mortalities were observed as a result of this outage.

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

Erin Kovalchuk
NWP Operations Division Fishery Section
Columbia River Coordination Biologist

Erin.H.Kovalchuk@usace.army.mil