

OFFICIAL COORDINATION REQUEST FOR NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE – 20BON01 MOC PH2 OWS Discharge Pipe Install

COORDINATION DATE - 06 January 2020

PROJECT - Bonneville Lock and Dam

RESPONSE DATE - 17 January

Description of the problem

A new OWS (oil/water separator) is being installed at Bonneville’s PH2 as previously coordinated with 19BON65 and 19BON56. A key component previously mentioned but not thoroughly coordinated was the installation of the discharge pipe. This pipe will be installed below the water surface and require a dive team for installation.

Type of outage required

Impact on facility operation (FPP deviations)

In order for safe diving conditions the SDE (south downstream entrance) and SUE (south upstream entrance) will need to be closed for the duration of the work. Additionally, a deviation of unit priority would occur.

Impact on unit priority

To ensure ideal dive conditions are present that will not impact or delay dive operations the Project would like to shift a total of (3) units to Powerhouse 1 if generation / flows warrant. Units 11, 12, and 13 would be in reserve while divers are in the water. Units 1, 10, and 3 would be utilized at PH1 if needed.

Impact on forebay/tailwater operation

No anticipated impacts to forebay or tailwater operations.

Impact on spill

No anticipated impacts to spill operations.

Dates of impacts/repairs

Tuesday, January 21, 2020 from 0700-1700.

Length of time for repairs

The work is scheduled to be completed in one shift.

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	CHN	STT	COHO	SOC
21-Jan	0	13	0	0

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

The run this past year was much lower than the 10-year average for all species. For all species of salmonids combined there was a -60.1% for passage at Bonneville.

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 small number of Steelhead Trout that may be passing that particular set of entrances are minimal compared to the entire annual run.

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.).

The few number of Steelhead that may be attempting to pass at the SDU and SUE may be exposed to increased predation by pinnipeds, however the NDE and NUE and Cascades Island entrances will be open.

Summary statement - expected impacts on:

- Downstream migrants: This work is not expected to have a significant impact on downstream migrants as the fishways are not a primary route of passage for juveniles or kelts.
- Upstream migrants (including Bull Trout): This work is not expected to have a significant impact on upstream migrants. This work is being conducted during the IWW period and other entrances in close vicinity will be operational.
- Lamprey: This work is not expected to have a significant impact on lamprey since their peak passage is concentrated during the late spring / summer months.

Comments from agencies –

BPA

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

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

Sent: Monday, January 06, 2020 4:36 PM

To: Kovalchuk, Erin H CIV USARMY CENWP (US) <Erin.H.Kovalchuk@usace.army.mil>

Subject: [Non-DoD Source] RE: FPOM: Official coordination 20BON01 MOC PH2 OWS Discharge Pipe Install

I assume the discharge pipe is for the water that has been separated from the oil? Is there a drawing where that shows where that water enters the river? I have a feeling that might be asked at Thursday's meeting and it would probably be easiest to represent it in a picture? -s

Final Coordination Results – FPOM would like the work to occur in the afternoon and concurred with this work at the January 2020 FPOM meeting.

6.9.20BON01 MOC PH2 entrances closure for OWS project – The date has changed to 31 January for the work. The work was delayed because the outages were not scheduled. There is a lot of flow in the work area. The entrances will have to be closed and units will be shifted to PH1. Divers will install four bolts below water level. Lorz and Bettin asked if they can do this later in the day like noon or one. Hausmann will ask. Bettin said the afternoon usually has less units on rather than push units to the side without a fish ladder running.

After Action Update – This work was completed as described in the final coordination.

Associated coordination – 19BON56, 19BON65 and 20BON07

Please email or call with questions or concerns.

Thank you,
Erin

Erin Kovalchuk

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