

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

**COORDINATION TITLE- 18BON65 MOC PH1 Diffuser Removal**

**COORDINATION DATE- 12 Oct 2018**

**PROJECT- BON**

**RESPONSE DATE- 26 Oct 2018**

**Description of the problem** – BON would like to remove unused diffusers from the Powerhouse 1 collection channel because they are a potential source of oil and grease into the fish ways and river. They haven't been used in at least 15 years and there is no plan to use them in the future. Currently, the only diffusers used (open) are: 4, 8, 12, 19, 20, 21, 22, 22A, and 22B. We propose removing all other unused diffusers with the exception of 17 and 18 which the HELCRABS report and Steve Schlenker suggest might be preferable to having 4 and 8 open for channel velocity. Since we aren't changing any operations or operating equipment, there will be zero impact to Bonneville's fish passage. The removed gear boxes can then be rehabbed and used as spares for working diffusers.

**Type of outage required**

**Impact on facility operation** (FPP deviations) None

**Impact on unit priority** None

**Impact on forebay/tailwater operation** None

**Impact on spill** None

**Dates of impacts/repairs** Work can be accomplished with the fishway functioning so no dewatering or outages are required. The project will time the work to minimize fish impacts from work near a fishway.

**Length of time for repairs** - Approximately ½ a day per diffuser

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

**Summary statement - expected impacts on:**

**Downstream migrants** None

**Upstream migrants (including Bull Trout)** None

**Lamprey** None

**Comments from agencies**

**NOAA:**

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

From: Trevor Conder - NOAA Federal [mailto:trevor.conder@noaa.gov]  
Sent: Thursday, November 15, 2018 12:37 PM  
To: Kovalchuk, Erin H CIV USARMY CENWP (US)  
<Erin.H.Kovalchuk@usace.army.mil>  
Cc: Hausmann, Benjamin J CIV USARMY CENWP (US)  
<Benjamin.J.Hausmann@usace.army.mil>  
Subject: [Non-DoD Source] Re: FPOM: Official Coordination 18BON65 MOC  
PH1 diffuser removal

Erin,

NOAA can support this MOC, based on the info provided in the MOC and the B1 adult collection channel has been in compliance under a variety of tailwaters during our monthly inspections.

-Trevor

**Nez Perce:**

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

From: Dave Statler [mailto:daves@nezperce.org]  
Sent: Thursday, October 18, 2018 3:46 PM  
To: Kovalchuk, Erin H CIV USARMY CENWP (US)  
<Erin.H.Kovalchuk@usace.army.mil>  
Subject: [Non-DoD Source] RE: FPOM: Official Coordination 18BON65 MOC  
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Does removal of these diffusers impact the need for associated diffuser gratings? I should know this but do not.

Does this present an opportunity to remove some diffuser gratings and replace with smooth surfaces for lamprey?

Dave Statler

**Response:**

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

From: Kovalchuk, Erin H CIV USARMY CENWP (US)  
[mailto:Erin.H.Kovalchuk@usace.army.mil]  
Sent: Monday, October 22, 2018 8:39 AM  
To: Dave Statler <daves@nezperce.org>  
Cc: Hausmann, Benjamin J CIV USARMY CENWP (US)  
<Benjamin.J.Hausmann@usace.army.mil>

Subject: RE: FPOM: Official Coordination 18BON65 MOC PH1 diffuser removal

Hi Dave

By removing the diffusers, Ben means removing the gear box components that control the flow not the grating. There are several diffusers that are not used but they hold oil/grease in the gear boxes. BON would like to remove the risk of the oil spilling into the fish ladder since it will not be operated. It doesn't present a current opportunity because the work will be above the water but maybe when the grating is replaced, it could then be replaced with solid surface.

Erin

**Final coordination results – This work can proceed as coordinated.**

**After Action update – This work will be over several years.**

Please email or call with questions or concerns.

Thank you,

Erin

Erin Kovalchuk  
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Columbia River Coordination Biologist  
[Erin.H.Kovalchuk@usace.army.mil](mailto:Erin.H.Kovalchuk@usace.army.mil)

And

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