

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

**COORDINATION TITLE-** 15BON41 U18 outage

**COORDINATION DATE-** July 7, 2015

**PROJECT-** Bonneville Dam

**RESPONSE DATE-** 21 July 2015 but preferably at the 9 July FPOM meeting.

**Description of the problem-**Unit 18 has an issue with one of its coolers running much hotter than it should. If the cooler were to fail, the temperatures would rise to a point of forcing the unit out of service. In addition, the wicket gate seals are failing and need replacement. Currently the pumps to handle the leakage are reaching capacity. If the leakage overwhelms the pumps or we have a pump failure, we would flood the turbine bearing. We just replaced the seals on Unit 14 due to similar leakage.

**Type of outage required-**Unit 18 for 24 days

**Impact on facility operation-**None. Unit 17 can be operated in lieu of 18. With a very low water year, unit availability is not an issue.

**Dates of impacts/repairs-**August 3-27

**Length of time for repairs-**24 days

**Expected impacts on fish passage-**Minimal. Unit 17 can be run in lieu of 18. The attraction flow for the north monolith entrances will still be present and flow from Unit 17 will still provide additional flow down the Washington shoreline not drastically different than when Unit 18 is running. The impact to juveniles should be nonexistent. Attached is a table with 10 year averages and 2014 fish passage numbers for the month of August.

**Comments from agencies**

**NOAA Fisheries - -----Original Message-----**

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov]

Sent: Wednesday, July 08, 2015 9:52 AM

To: Mackey, Tammy M NWP

Cc: Hausmann, Ben J NWP; Lorz, Tom

Subject: [EXTERNAL] Re: FPOM: Official Coordination - MOC 15BON41 U18 outage in August (UNCLASSIFIED)

Tammy, I agree that the impact on adult passage should be minimal with unit 17 and both fish units operating. Thanks, Gary

**CRITFC - -----Original Message-----**

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

Sent: Wednesday, July 08, 2015 2:54 PM

To: Mackey, Tammy M NWP

Subject: [EXTERNAL] Re: FPOM: Official Coordination - MOC 15BON41 U18 outage in August (UNCLASSIFIED)

Not excited but given the issues with unit 18 understand and will go along with the outage. We prefer and think 18 does a better job of providing attraction flow but 17 will have to do and should do an adequate job.

thanks

tom lorz  
CRITFC

**Final results – FPOM concurred with the proposed plan at the 9 July 2015 FPOM meeting. The work on U18 may proceed as coordinated.**

Please email or call with questions or concerns.  
Thank you,  
Ben Hausmann  
Bonneville Project Fisheries  
[Ben.j.hausmann@usace.army.mil](mailto:Ben.j.hausmann@usace.army.mil)

Tammy Mackey  
NWP Operations Division Fishery Section  
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