

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

COORDINATION TITLE- 17TDA06 AWS In-Water Work Period Extension

COORDINATION DATE- Feb 15, 2017

PROJECT- The Dalles Dam

RESPONSE DATE- Feb 16, 2017

Description of the problem

Type of outage required – The AWS backup contract work has encountered numerous delays jeopardizing the schedule milestones, including inclement weather and unanticipated obstacles. Presently contractors are scheduled to have all construction completed spanning the junction pool pipe crossing and have all scaffolding / work decking out of the fishladder by Feb 26. However it is apparent that this may not be realistic given the amount of work within less than 2 weeks. Therefore, the AWS product development team is requesting a 10 day extension to assure this work can be completed this season. Efforts are being made to increase production to meet the original deadline. It is unknown at this point if any or all of this extension will be needed to complete the workload. A ten day extension is worst case scenario. The picture shows the status of the pipe installation spanning the junction pool.



Impact on facility operation – Delay to east fishway return to service. If the ladder has not returned to service after three days, then 15K spill from bays 1 and 2 (7.5K spill per bay) would be initiated to attract fish to the north ladder. This would be daytime spill from 0600 – 1800.

Dates of impacts/repairs – Mar 1 – March 10, 2017. March 1-3 no spill; March 4-10 15K spill

Length of time for repairs – Not to exceed 10 days

Expected impacts on fish passage –

Upstream migrants – There will be no fish passage at the east ladder. It is expected that fish will actively search and find the north fishladder. Spill can be implemented to attract fish to the north during the time the east ladder is out of service beginning March 1 until the east ladder returns. Previous tests have shown this to be effective for fall chinook. Chinook passage is generally small in March and should not be a concern, unless we see early returns like 2003. Steelhead passage is generally ~25/day first 2 weeks March. The north fishladder is presently in service and in criteria operation. FFU will monitor fish counts at the north ladder during this time frame.

Downstream migrants – Expected minimal. Most juvenile and adult downstream passage normally pass via ice trash sluiceway during March.

Lamprey – No impacts expected. Lamprey passage normally does not occur during March.

Bull Trout – impacts to Bull Trout are expected to be similar to other upstream migrating salmonids. Very few Bull Trout have been counted at TDA in the last 10 years. *“WDFW and COE provided a list of anecdotal sightings/captures of bull trout in the mainstem Columbia River. From 2000 through 2012 there were eleven bull trout reported. Three were downstream of Bonneville Dam, with two at the mouth of Hamilton Creek (CRM 143) and one in 2005 at the Bonneville Dam Smolt Monitoring Facility (CRM 144). Upstream of the dam, one bull trout was found at Cascade Locks (CRM 149), two at Drano Lake (CRM 162), two at the mouth of the Klickitat River (CRM 180.5), one in 2002 at the John Day Dam Smolt Monitoring Facility (CRM 215), and one sighting at Dog Creek Falls by a reputable WDFW creel sampler who observed 18-24” cuts or dollies working old redds below the splash pool over the course of two weeks.”*

Conference call Feb 15 results

A conference call involving NOAA, CRITFC and COE occurred Feb 15. It was determined that a maximum of 10 days extension of the east fishway outage was acceptable. Beyond the third day of extension, if needed, 15kcfs spill will be implemented to provide attraction to the north ladder. This would involve 7.5kcfs spill from bays 1 and 2. BPA, FWS, ODFW and WDFW did not have representatives on the call.

Comments from agencies

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

From: Bettin, Scott W (BPA) - EWP-4 [mailto:swbettin@bpa.gov]
Sent: Wednesday, February 22, 2017 8:34 AM
To: Kovalchuk, Erin H CIV USARMY CENWP (US)
<Erin.H.Kovalchuk@usace.army.mil>
Subject: [EXTERNAL] RE: AWS MOC

Not thrilled with the outcome but we do need to get the work done. With the current flows there's a chance we might have spill at times above 15 kcfs on some hours.

Final Coordination Results: FPOM concurred with this action during the Conference call on 15 Feb 2017.

After Action Update:

The east fishladder was returned to service March 7.
The spillway was opened per agreement March 3.
There was intermittent higher spill for river flow.
Scheduled work was completed.

Please email or call with questions or concerns.

Thank you,
Bob Cordie

Robert.P.Cordie@usace.army.mil

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