

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

**COORDINATION TITLE-** 15JDA11 North Adult Fishway AWS Pump Testing required by a contractor (KTR) during the week of November 2, 2015.

**COORDINATION DATE-** October 13, 2015

**PROJECT-** John Day Dam

**RESPONSE DATE-** October 27, 2015

**Description of the problem:**

The contractor, KTR, has made tentative arrangements with USACE to perform vibration testing and troubleshooting during the week of November 2, 2015. A specific test plan is currently being developed, and it will be submitted in advance prior to this testing for Government review and approval.

KTR understands that fish passage criteria must be maintained during certain timeframes, and they understand this testing may cause the normal criteria to be exceeded during certain periods of time. However, KTR believes this testing is crucial to the long-term success of this project and long-term fish ladder operations.

**Type of outage required:**

KTR desires to run pumps in different configurations (running pump combinations and speeds) during this timeframe. Although a definitive plan has not yet been finalized, KTR anticipates running all possible combinations of 2, 3, and 4 pumps, from the minimum to maximum speed. Only a minor, few tenths of a foot, OOC might occur at night (1700 -0600 hrs), when the fish passage is known to be very low.

**Impact on facility operation:**

The ladder needs to maintain entrance criteria between 1-2ft between the hours of 0600 and 1700. We are estimating that the following pump operations will allow the ladder to be within criteria:

*Low end of criteria (1 foot)*

1. 2 pumps are estimated to fall below 1.05 feet entrance head at pump speeds of 170 RPM (at TW 159) to 190 RPM (at TW 160 ft).
2. 3 pumps are estimated to fall below 1.05 feet entrance head at a pump speed of 140 RPM (at TW 160 ft). Note this is below minimum speed of 162rpm.

*High end of criteria (2 feet)*

3. 3 pumps are estimated to raise above 1.95 feet entrance head at pump speeds of 190 RPM (at TW 159) to 205 RPM (at TW 160 ft).
4. 4 pumps are estimated to raise above 1.95 feet entrance head at pump speeds of only 159 RPM (at TW 159) to 169 RPM (at TW 160 ft). Note this is below minimum speeds.

**Dates of impacts/repairs:**

November 2<sup>nd</sup>, 2015 (Monday) – Thursday November 5<sup>th</sup>, 2015 (Thursday). However, total testing should take no longer than two nights.

**Length of time for testing:**

Testing will only occur at night, 1700 -0600 hrs

**Expected impacts on fish passage:**

Minimal, if any impact due to testing schedule for November (low passage month.) Only a minor, few tenths of a foot OOC might occur at night, 1700 -0600 hrs, when the fish passage is known to be very low.

### **Comments from agencies**

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

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

Sent: Tuesday, October 20, 2015 3:58 PM

To: Gibbons, Karrie M NWP

Subject: [EXTERNAL] Re: FPOM: Official Coordination - 15JDA11 North fisway AWS pump testing (UNCLASSIFIED)

Similar message I just sent to Walla Walla, we have an in-water work window for a reason and am not inclined to deviate from that unless there is a good reason. Is there some reason that the contractor could not wait until later in the November at the least??? We have been poking at this problem for quite some time now and not sure how a couple week delay would be problematic. I understand that this work will mostly be a night but the ladders have to be back in criteria for the 06:00 to 17:00 hours and the ladder may take time to settle back out after the contractor has been modifying pump operations. This week we have had anywhere from a high of 3600 to 1700 fall chinook adult alone and this does not include other salmon species. Therefore I would propose we push this back a couple weeks to the end of November at a minimum and if the work does go forward as previous stated the ladder have to be in criteria from 06:00 to 17:00.

### **Final results:**

This MOC has been canceled. It is expected the ladder will remain in FPP criteria during this test. Any deviations to the criteria will be recorded in the weekly report. This will be in the December FPOM agenda.

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

From: Zyndol, Miroslaw A NWP

Sent: Wednesday, October 28, 2015 9:36 AM

To: Gibbons, Karrie M NWP; Mackey, Tammy M NWP

Subject: RE: FPOM: Official Coordination - 15JDA11 North fisway AWS pump testing -Canceled (UNCLASSIFIED)

I quickly compared this October's passage, up to date with a few past years and it appears that the fall chinook are significantly above average for this time of year (it is the record run for goodness sake!) In that context, I appreciate Tom's comments and will do our best by not having any major impact on their passage. We will be in criteria 100% from 0600 to 1700 hrs and the worst case scenario during the night, 1700 to 0600 should be not more than 1% of time with the minor criteria deviations (by only 0.1 or 0.2 foot, ) while the JDN AWS pumps testing is performed. Thanks for the help Karrie and Tammy! MZ

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

From: Zyndol, Miroslaw A NWP

Sent: Wednesday, October 28, 2015 2:02 PM

To: Gibbons, Karrie M NWP; Mackey, Tammy M NWP

Cc: Grosvenor, Eric NWP; Richards, Natalie A NWP; Walton, Douglas W NWP

Subject: RE: FPOM: Official Coordination - 15JDA11 North fisway AWS pump testing -Canceled (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Good news! The next week's JDN AWS pumps balance testing will be limited to the motors only, which will be decoupled from their respective pumps for the duration.

In conclusion, the remaining 3 pumps will be completely unaffected and without any impact on the FPP criteria.

The regular JDN operation and entrance differential will continue in accordance with the FPP without even a minor compromise. I recommend informing FPOM by email; any further discussion of this issue at the December meeting is pointless and unnecessary.

Thanks for the help! MZ