

MEMORANDUM FOR THE RECORD

TITLE – 18DEX01 MFR Valve Maintenance**NOTIFICATION DATE** – 18 May 2018**PROJECT** – Dexter Fish Facility**RESPONSE DATE** – NA**Description of the problem**

A valve failed in April that supplies water to the sorting structure at the Dexter Fish Facility. It failed in the open position so the sorting structure and associated components are still functional but if another valve or pipe were to break downstream of this valve, no shut off exists other than the bulkhead at the dam. A failure of this type would render the facility inoperable and prevent adult fish from being collected at the facility. Depending on the type of failure, juvenile acclimation could likely continue to some degree.

Another primary concern if a failure were to occur is the possible flooding of a below-grade electrical room that houses 480 volt circuit breakers.

Willamette Valley maintenance staff investigated on 10 May and reported that the necessary repair would be extensive and could not be completed this year before fingerlings were moved to the facility the week of 28 May. There are two options for the repair:

- 1) Excavate to the 8" pipe, remove and replace the non-operational valve, and place a vault around the area. This is the less preferred option because the condition of the remainder of 8" water supply pipe is unknown.
- 2) Excavate to the 30" pipe where the 8" pipe comes off, disconnect and re-connect a new 8" pipe that comes to surface level. Install a new valve and a surface level pipe that feeds the sorting facility. Placing a vault of some sort here is also advisable.

These repairs will have to be conducted during the outage period in the spring of 2019. This MFR serves to notify the region of the risk present during operations of the facility in 2018. As an interim measure, Willamette Valley maintenance staff plan to install two sump pumps in the below-grade electrical room that would automatically turn on if a failure occurred that allowed water to enter the room.

Dates of impacts/repairs

Increased risk during trap operations at Dexter for the 2018 season. Repairs would be completed during the scheduled maintenance period in the spring of 2019.

Length of impacts/repairs

Repairs could take approximately two weeks.

Expected impacts on fish

No impacts to fish if no failure occurs. If a failure occurs, no adult collection would be possible. This would impact broodstock collection needs and outplanting targets. Impacts to juvenile acclimation and release may also occur.

Comments from agencies

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

From: Traylor, Andrew W CIV USARMY CENWP (US)
Sent: Friday, July 20, 2018 8:42 AM
To: Diana Dishman - NOAA Affiliate <diana.dishman@noaa.gov>
Cc: Anne Mullan - NOAA Federal <anne.mullan@noaa.gov>; Walker, Christopher E CIV USARMY USACE (US)
<Christopher.E.Walker@usace.army.mil>
Subject: RE: [Non-DoD Source] Re: Willamette Fish Passage O&M Mtg (WFPOM), May 23, 9-11am

Yes, sump pumps were installed and the hazardous electrical cable was reinforced and properly insulated. Some of the old piping and valving is still a risk but we're breathing easier now that broodstock numbers have been largely met for Willamette Hatchery.

Thanks,

-A

Andy Traylor
US Army Corps of Engineers
Operations Division
NWP Hatchery Coordinator
503.201.5810

http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/

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

From: Diana Dishman - NOAA Affiliate [mailto:diana.dishman@noaa.gov]
Sent: Tuesday, July 17, 2018 4:03 PM
To: Traylor, Andrew W CIV USARMY CENWP (US)
<Andrew.W.Traylor@usace.army.mil>
Cc: Anne Mullan - NOAA Federal <anne.mullan@noaa.gov>; Walker, Christopher E CIV USARMY USACE (US)
<Christopher.E.Walker@usace.army.mil>
Subject: [Non-DoD Source] Re: Willamette Fish Passage O&M Mtg (WFPOM), May 23, 9-11am

Hi Andy,

I just wanted to follow-up on 18DEX01. Apologies if I've missed it by not being at WFPOM meetings, but have the sump pumps you mentioned been installed yet?

Thanks,
Diana

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Diana Dishman
Scientist, Contractor with Ocean Associates, Inc.

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Please email or call with questions or concerns.

Thank you,

Andy Traylor

NWP Operations Division Fishery Section

Hatchery Coordinator

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