

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

COORDINATION TITLE - 13 MCN 05 Washington Shore Entrance Weir

COORDINATION DATE - 30 April 2013

PROJECT - McNary Lock and Dam

RESPONSE DATE - 3 May 2013

Description of the problem:

One of the cables on Washington Entrance Weir #3 (WFEW3) has either broken or become otherwise disconnected, causing the weir to hang at an angle on the remaining cable. The weir is not functional in this configuration, and the other cable is in danger of failing due to the extra weight.

Type of outage required:

We need to place the Washington ladder in orifice flow, and probably shut down the Wasco County PUD auxiliary turbine attraction water in order to reduce flows enough to conduct the work. We also need to shut down Spillbays 1 and 2 in order to reduce turbulence enough that work crews can access the weir from a manbasket. We believe that the work can be performed in one work day.

Impact on facility operation:

We will temporarily lose the spill capacity of two of the 22 spillbays. This can likely be compensated by the remaining spillbays. The Wasco County PUD turbine will need to be shut down for one day, and the ladder will need to be placed in orifice flow, in order to reduce flows sufficiently to conduct the repairs.

Dates of impacts/repairs:

Repairs should be conducted as early as reasonably possible, in order to prevent failure of the remaining weir cable. If that cable fails, we will likely need to call in divers.

Length of time for repairs:

We believe that the repairs can be completed in one work day.

Expected impacts on fish passage:

Fish passage would be reduced on the Washington side during the one day repair operation. It is probably already being affected by the non-functioning, damaged weir. Total spill should not be affected, but it would be concentrated on 20 spillbays (including the two TSW's) instead of 22 spillbays.

Comments from agencies:

From: Trevor Conder - NOAA Federal [mailto:trevor.conder@noaa.gov]

Sent: Wednesday, May 01, 2013 10:55 AM

To: Moody, Gregory P NWW; Setter, Ann L NWW

Cc: Gary Fredricks - NOAA Federal; Lorz, Tom; Dugger, Carl R NWW; Laughery, Ryan O NWW; Ritchie Graves - NOAA Federal

Subject: Re: FPOM Coordination Emergency entrance weir at the Washington Shore fishway (UNCLASSIFIED)

Hi Greg,

Our suggestion is to get this work done as soon as possible as the adult spring Chinook run is rapidly increasing. We prefer the work begin after 10 am but the most important point is to complete the work soon and within one working day. We suggest spreading the spill evenly across the middle bays so the crown pattern is maintained with good egress for juveniles. Extra care should be taken in the spill pattern to not create a reverse flow condition at the south entrance. Thanks for the coordination.

-Trevor

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

From: Dugger, Carl R NWW
Sent: Thursday, May 02, 2013 3:16 PM
To: Moody, Gregory P NWW
Subject: RE: FPOM Coordination: Oregon Shore entrance weir (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Right. By the way, they managed to get the weir up on the Washington side. The stub that the rod bolted to had broken off. They will have to have a welder come in, clean it off, and weld a new stub on it.

Unlikely they will be able to finish it today. We will lower WFEW1 and go back off orifice flow, etc., if we need to leave it overnight.

- Carl

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

From: Roberts, Timothy J NWW
Sent: Wednesday, May 01, 2013 2:12 PM
To: Gersbach, William J NWW; Coleman, Dave R NWW; Setter, Ann L NWW; Dugger, Carl R NWW; Moody, Gregory P NWW; Bailey, John C NWW; Fone, Kenneth R NWW; Harris, James A NWW
Subject: RE: FPOM Coordination Emergency entrance weir at the Washington Shore fishway (UNCLASSIFIED)

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Caveats: NONE

Let's get everyone on the same page.

Here is what we are going to do.

*Tomorrow 1000 Operations will start taking Washington Ladder to Orifice Flow.
*WASCO will Shut down their Turbine and close off Auxiliary water supply.

McNary Oregon Shore

Date	All Chinook	Adult Chinook	Jack Chinook	All Steelhead	Clipped Steelhead	Unclipped Steelhead	All Coho	Adult Coho	Jack Coho	Sockeye	Chum	Pink
4/26/2013	70	68	2	1	0	1	0	0	0	0	0	0
4/27/2013	158	151	7	3	1	2	0	0	0	0	0	0
4/28/2013	274	264	10	3	1	2	0	0	0	0	0	0
4/29/2013	569	558	11	7	2	5	0	0	0	0	0	0
4/30/2013	1507	1442	65	12	6	6	0	0	0	0	0	0
5/1/2013	1595	1474	121	12	6	6	0	0	0	0	0	0
5/2/2013	1175	1051	124	4	2	2	0	0	0	0	0	0
5/3/2013	1745	1606	139	5	4	1	0	0	0	0	0	0
5/4/2013	1542	1397	145	6	4	2	0	0	0	0	0	0
5/5/2013	1258	1148	110	3	1	2	0	0	0	0	0	0
total	9893	9159	734	56	27	29	0	0	0	0	0	0

Please email or call with questions or concerns.

Thank you,