

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

Coordination Title: 16 MCN 02 McNary Lock and Dam Debris Spill Notification
COORDINATION DATE- February 29, 2016 – **UPDATED March 3, 2016 – Updated March 21, 2016**
PROJECT- McNary Lock and Dam

RESPONSE DATE- by ~~FPOM meeting March 10, 2016~~ Close of Business March 21, 2016

Description of the problem:

Surface debris in the forebay is building and becoming a large mass of woody material. Before the juvenile fish passage season begins, a controlled debris spill per 2015 Fish Passage Plan pages MCN-10 and MCN-28 is planned for ~~March 14 to 17~~ March 22-23. The debris removal should take one day but due to the possibility of adverse weather conditions a ~~four-two~~ day time span is being requested to allow us to coordinate the spill when the weather allows. The intent is to only use the rolling outage one time, but weather conditions may require more than one attempt to migrate debris across the intake. Attempts to rotate and roll units and move debris to the spillway were unsuccessful on March 14 and March 16 due to unfavorable wind conditions. Another attempt is scheduled for the March 22 and 23 time frame. This time, a tug will be used to move debris in front of the spillbays.

Type of outage required:

A generic four unit outage has been coordinated with BPA to support the debris spill. The generic outage is required to allow for flexibility in maintaining debris movement.

Impact on facility operation:

If the debris field remains in the forebay any longer than necessary, it can settle onto the main unit trash racks, which may result in fish descaling or mortalities when the juvenile passage season begins.

Length of time for repairs:

The time scheduled for the unit outages is from 1200 to 1700 hours (an earlier start time would be better, but anticipating load requirements, the Chief of Operations has scheduled the start time at 1200). A tug with boom will be used to move the debris from the powerhouse to the open spillbay, if we are unable to “roll” the debris to the spillbay.

Expected impacts on fish passage:

Expected impact on fish is minimal. Juvenile passage season has not yet begun. Removing the debris will improve passage conditions. The last adult counts done at McNary in March were in 2012. Only small numbers of steelhead are present in the same time frame as the planned debris spill. Most Steelhead used the Oregon shore ladder.

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
3/7/2012	0	0	0	125	65	60	0	0	0	0	0	0
3/8/2012	0	0	0	86	56	30	0	0	0	0	0	0
3/9/2012	0	0	0	80	50	30	0	0	0	0	0	0
3/10/2012	0	0	0	32	15	17	0	0	0	0	0	0
3/11/2012	0	0	0	61	33	28	0	0	0	0	0	0

3/12/2012	0	0	0	77	49	28	0	0	0	0	0	0
3/13/2012	0	0	0	60	30	30	0	0	0	0	0	0
3/14/2012	0	0	0	41	23	18	0	0	0	0	0	0
3/15/2012	0	0	0	87	50	37	0	0	0	0	0	0
3/16/2012	0	0	0	71	35	36	0	0	0	0	0	0
3/17/2012	0	0	0	95	54	41	0	0	0	0	0	0
3/18/2012	0	0	0	106	63	43	0	0	0	0	0	0
3/19/2012	0	0	0	109	61	48	0	0	0	0	0	0
3/20/2012	0	0	0	166	113	53	0	0	0	0	0	0
3/21/2012	0	0	0	164	103	61	0	0	0	0	0	0
total	0	0	0	1360	800	560	0	0	0	0	0	0

Date	All Chinook	Adult Chinook	Jack Chinook	All Steelhead	Clipped Steelhead	Unclipped Steelhead	All Coho	Adult Coho	Jack Coho	Sockeye	Chum	Pink
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McNary Washington Shore

Date	All Chinook	Adult Chinook	Jack Chinook	All Steelhead	Clipped Steelhead	Unclipped Steelhead	All Coho	Adult Coho	Jack Coho	Sockeye	Chum	Pink
3/7/2012	0	0	0	0	0	0	0	0	0	0	0	0
3/8/2012	0	0	0	-3	-1	-2	0	0	0	0	0	0
3/9/2012	0	0	0	2	1	1	0	0	0	0	0	0
3/10/2012	0	0	0	1	0	1	0	0	0	0	0	0
3/11/2012	0	0	0	5	2	3	0	0	0	0	0	0
3/12/2012	0	0	0	5	4	1	0	0	0	0	0	0
3/13/2012	0	0	0	0	-1	1	0	0	0	0	0	0
3/14/2012	0	0	0	2	1	1	0	0	0	0	0	0
3/15/2012	0	0	0	1	0	1	0	0	0	0	0	0
3/16/2012	0	0	0	2	1	1	0	0	0	0	0	0
3/17/2012	0	0	0	1	0	1	0	0	0	0	0	0
3/18/2012	0	0	0	5	1	4	0	0	0	0	0	0
3/19/2012	0	0	0	0	0	0	0	0	0	0	0	0
3/20/2012	0	0	0	5	1	4	0	0	0	0	0	0
3/21/2012	0	0	0	7	4	3	0	0	0	0	0	0
total	0	0	0	33	13	20	0	0	0	0	0	0

Date	All Chinook	Adult Chinook	Jack Chinook	All Steelhead	Clipped Steelhead	Unclipped Steelhead	All Coho	Adult Coho	Jack Coho	Sockeye	Chum	Pink
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Comments from agencies

March FPOM 2016, all representatives were in agreement.

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

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov]
 Sent: Tuesday, March 08, 2016 9:36 AM
 To: Moody, Gregory P NWW <Gregory.P.Moody@usace.army.mil>
 Subject: [EXTERNAL] Re: 16 MCN 02 McNary Lock and Dam Debris Spill Notification

Looks ok to me. Thanks Greg. Gary

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

From: Bettin, Scott W (BPA) - EWP-4 [mailto:swbettin@bpa.gov]
 Sent: Monday, February 29, 2016 9:12 AM
 To: Moody, Gregory P NWW <Gregory.P.Moody@usace.army.mil>
 Cc: Setter, Ann L NWW <Ann.L.Setter@usace.army.mil>; BPA Kristine Bartlett <klbartlett@bpa.gov>; BPA Paul Koski <ptkoski@bpa.gov>; BPA Bill Berry <waberry@bpa.gov>
 Subject: [EXTERNAL] RE: 16 MCN 02 McNary Lock and Dam Debris Spill Notification

Doesn't this also depend on the wind coming from the right direction on that day? Would it be possible to widen the request to be some time that week instead of on just one day? -s

---Original Message-----

From: Johnson, Bobby NWW
Sent: Monday, February 29, 2016 10:06 AM
To: Moody, Gregory P NWW <Gregory.P.Moody@usace.army.mil>; Gersbach, William J NWW <William.J.Gersbach@usace.army.mil>
Cc: Setter, Ann L NWW <Ann.L.Setter@usace.army.mil>; BPA Scott Bettin <swbettin@bpa.gov>
Subject: RE: 16 MCN 02 McNary Lock and Dam Debris Spill Notification

Wind direction can help but with all units available for the first time in several years and a tug, not sure we need to watch the weather forecast. Unit outage scheduling I will not comment on but tying that to weather, hum..... We have a ton of work going on with lock outage and trash rack cleaning later so picking a day and sticking to it is probably best but I would leave that up to Bill.

Bobby

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

From: Bettin, Scott W (BPA) - EWP-4 [mailto:swbettin@bpa.gov]
Sent: Monday, February 29, 2016 9:12 AM
To: Moody, Gregory P NWW <Gregory.P.Moody@usace.army.mil>
Cc: Setter, Ann L NWW <Ann.L.Setter@usace.army.mil>; BPA Kristine Bartlett <klbartlett@bpa.gov>; BPA Paul Koski <ptkoski@bpa.gov>; BPA Bill Berry <waberry@bpa.gov>
Subject: [EXTERNAL] RE: 16 MCN 02 McNary Lock and Dam Debris Spill Notification

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Final results

From March 10, 2016 FPOM Minutes:

4.5 16MCN02 MCN Debris Spill Notification. Approved.

Please email or call with questions or concerns.

Thank you,

Bobby Johnson

Project Fishery Biologist, McNary Dam

Phone: (541)-922-2212

Email: bobby.johnson@usace.army.mil

