OFFICIAL COORDINATION REQUEST
FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE

Coordination Title: 14 MCN 05 McNary Lock and Dam Debris Spill Notification
COORDINATION DATE- March 24, 2014
PROJECT- McNary Lock and Dam

RESPONSE DATE- March 25, 2014

Description of the problem:

Surface debris in the Forebay is building up and is becoming a large mass of woody debris to include logs, sticks, tumbleweeds and various pieces of dimensioned lumber. The debris field has become too big to remove by normal trash raking methods and is settling in the Main Unit trash racks, creating 3.5 Ft differentials on numerous Units. We are committed to doing a controlled debris spill via the TSW for surface debris and regular split leaf spill bays to remove the sub-surface debris as quickly as possible.

Type of outage required:
A flexible 3 Unit outage has been coordinated with BPA to support a debris spill one day this week on 25, 26, or 27 Mar. We are planning to spill debris on the 26th of March unless emergency differential pressures become a priority. According to the 2014 FPP, section 5, a one day or a 2 day notification should be made to CENWW-OD-T for coordinating with FPOM entities and John Day Control Room.

Impact on facility operation:
If the debris field remains in the Forebay any longer than necessary to spill, it will settle into the Main Unit trash racks which will create excessive differential pressures on the Trash Rack. Problems resulting from uncorrected excessive differential pressures may result in fish descaling, fish mortalities or a Main Generator shutdown, which will result in loss of revenues for that Unit.

Length of time for repairs:
The total length of time required to roll the debris from the south generators to the northern most generators and into the spill bays will depend upon surface wind conditions, and Main Unit 11's running status.

Expected impacts on fish passage:
Expected negative impacts on fish should be minimized by eliminating trash rack debris which causes descaling. Juvenile survival rates should improve with the removal of trash from the trash racks of the Main Units and the potential for Orifice debris in the JCC.

Comments from agencies

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov]
Sent: Monday, March 24, 2014 3:19 PM
To: Moody, Gregory P NWW; Lorz, Tom; Trevor Conder - NOAA Federal; Setter, Ann L NWW; Dugger, Carl R NWW
Subject: [EXTERNAL] Re: (UNCLASSIFIED)

Greg, Thanks for the notification. The weekly report should mention the method used (as listed in the FPP McNary section 5) and the success of the effort. Thanks, Gary

-----Original Message-----
From: Bettin,Scott W (BPA) - KEWR-4 [mailto:swbettin@bpa.gov]
Sent: Monday, March 24, 2014 3:46 PM
To: Moody, Gregory P NWW
Cc: Faulkner, Donald L NWD; Traetow,Emily G (BPA) - PGSP-5
Subject: [EXTERNAL] RE: (UNCLASSIFIED)

Thank you! We will modify the outage file to reflect that change. -s

-----Original Message-----
From: Moody, Gregory P NWW [mailto:Gregory.P.Moody@usace.army.mil]
Sent: Monday, March 24, 2014 3:43 PM
To: Bettin,Scott W (BPA) - KEWR-4
Cc: Faulkner, Don
Subject: FW: (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Scott
Operating project agrees to your suggestion after 1000hrs.

Greg

-----Original Message-----
From: Gersbach, William J NWW
Sent: Monday, March 24, 2014 3:40 PM
To: Moody, Gregory P NWW; Dugger, Carl R NWW
Cc: Roberts, Timothy J NWW
Subject: RE: (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Greg,
I believe that will not be a problem. We have been supporting the load requirements for a while now and we take that into our considerations. Tim got most of the trash halfway and most of it is piled from unit 6 to 11.

We work through the control room and they coordinate with BPA for everything realtime.
Bill

-----Original Message-----
From: Moody, Gregory P NWW
Sent: Monday, March 24, 2014 3:14 PM
To: Gersbach, William J NWW; Dugger, Carl R NWW
Subject: FW: (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Response from BPA. Is it possible to do this after 1000 hrs in the morning?

From: Bettin,Scott W (BPA) - KEWR-4 [mailto:swbettin@bpa.gov]
Sent: Monday, March 24, 2014 3:12 PM
To: Moody, Gregory P NWW
Cc: Faulkner, Donald L NWD

Subject: [EXTERNAL] RE: (UNCLASSIFIED)

We may ask them to do the unit outages starting no sooner than 10 am. The morning peak has been a little tight in the Northwest and the prices are up on those hours. After 10 we can cover the energy need with our own system. -s

Final results:

-----Original Message-----
From: Gersbach, William J NWW
Sent: Monday, April 07, 2014 8:53 AM
To: Moody, Gregory P NWW
Cc: Dugger, Carl R NWW; Setter, Ann L NWW
Subject: RE: 14 MCN 05 McNary Lock and Dam Debris Spill Notification.docx (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Greg,
We'll wait until all units are up and running....looking at Jul/Aug at earliest.

There are issues being brought to light that may eliminate our ability to spill debris by rolling our Units.
If we are restricted to having to leave our Units offline until their bearings cool down, then the debris spilling may not be worth the loss of generators due to bearing damage.

I'll know more by summer, but we may need to look at procuring an additional trash trailer to haul all this debris out quicker.
Thanks,
Bill

-----Original Message-----
From: Setter, Ann L NWW
Sent: Monday, April 07, 2014 8:18 AM
To: Gersbach, William J NWW; Moody, Gregory P NWW
Cc: Dugger, Carl R NWW
Subject: RE: 14 MCN 05 McNary Lock and Dam Debris Spill Notification.docx (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Greg:

They are raking trash, the spill didn't work due to the two units OOS.

Ann

Thank you,
William Gersbach
541-922-2253