

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

COORDINATION TITLE- 13JDA05 JDA-N variable width weir inspection

COORDINATION DATE- 12 September 2013

PROJECT- John Day Dam

RESPONSE DATE- No Longer needed. Will occur during winter maintenance.

Description of the problem- The current configuration condition using steel keeper bars and UHMW panels on the John Day North Fish Ladder Variable Width Weir [VWW] Lower Piece was a modification to the JDNFL EI contract that was done during last winter when the fish ladder was dewatered. It is assumed that when the fix was done the machine screws were tightened down by the workers as standard practice. There is usually no reason to doubt that.

At the moment however there is little tiny bit of doubt now that the machine screws were tightened down enough as it doesn't seem to like the attachment machine screws would just come out. There is the possibility that there is enough water flow induced vibration occurring that makes the screws slowly turn themselves out but that sure seems to me like an unlikely circumstance. However we are not sure if that is even a valid possibility as it has never been seen before.

We don't really know why the panels have come off the VWW. NWP recommends inspecting the VWW out of water promptly; with the idea that any loose fasteners can be tightened on the spot. If this inspection with temporary fastener tightening fix is not done soon, we may discover that more panels have come off when the VWW is inspected a couple months from now at the end of the fish run season. NWP needs to go to John Day dam to see firsthand the VWW out of the water and maybe laying on the deck instead of hanging in the air. At that point we can try to get an idea of why the panels have come off.

If we don't do this inspection soon the consequence will probably be to provide more than one panel and keeper bars [?] later on.

While out of the water temporarily [perhaps a couple hours or so] the VWW can be viewed by NWP engineers and a solution for a permanent fix can be developed.

Type of outage required- Removal of the VWW for a few hours so engineers can assess the damage.

Impact on facility operation- JDA-N would be out of FPP criteria with no weir in place.

Dates of impacts/repairs- as soon as reasonable

Length of time for repairs- the inspection would take a few hours. The actual repair may be able to wait until winter maintenance season.

Expected impacts on fish passage-

Comments from agencies

Final results- this inspection will occur during winter maintenance period so the MOC is no longer needed.

Please email or call with questions or concerns.
Thank you,
Sean or Tammy





