

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

COORDINATION TITLE – 12MCN 003 Washington Ladder electrical supply
COORDINATION DATE- February 17, 2012

PROJECT- McNary Lock and Dam

RESPONSE DATE- February 23, 2012

Description of the problem: The project needs to shut down the electrical supply to the Washington ladder from Monday, February 27 and possibly into Thursday, March 1. This work is necessary to rewire the system for a new ladder cranes and other functions. Electricians may be able to complete the work before March 1, but there is a chance that the work could spill over into that date. We need to be prepared for this, because, per the Fish Passage Plan, both ladders are supposed to be in full criteria by March 1.

The Washington ladder is currently fully operational, but without electrical power, we cannot operate the 7 tilting weirs and the one upstream adjustable weir while the power is out. The ladder will still be in operation, but the flows may either increase, if the forebay elevation rises, or decrease if the forebay elevation drops, thus throwing the ladder out of criteria. This operation will **not** affect the attraction flow through the diffuser gratings, and the disruption would not last for more than a few hours into March 1, if it happens at all.

Type of outage required: Electrical outage, to the power supply for the adjustable weirs on the Washington ladder, for a few hours on March 1.

Impact on facility operation: We will not be able to adjust the weirs, so flows into the Washington ladder could increase above criteria if the pool elevation increases, or decrease below criteria if the pool elevation drops.

Length of time for repairs: Possibly a few hours into the operational season.

Expected impacts on fish passage: Minor. Few fish are passing this time of year, and the ladder will still be functional, even though it may not be meeting official flow criteria for a few hours, depending on forebay elevation.

Comments from agencies:

: Morrill, Charles (DFW) [<mailto:Charles.Morrill@dfw.wa.gov>]

Sent: Friday, February 17, 2012 2:46 PM

Hi Greg,

Another season almost upon us ... J ..

Getting these two tasks done ASAP certainly makes sense !!!!

Charlie

Final results:

Please email or call with questions or concerns.

Thank you,