

**MEMORANDUM FOR THE RECORD****SUBJECT: 23JDA07 NFL Pumps Tripped Offline for Approximately 1-Hour**

On the morning of March 23<sup>rd</sup>, 2023, at approximately 0900 it was noticed that 5 of the 6 North Fish Ladder (NFL) pumps were offline and pump #2 was the only one running. Pump-2 was running at the upper range of approximately 228 RPMs, but the NFL entrance differential was still out of criteria (0.7-feet instead of 1-2 feet). Fisheries personnel had just finished one of the daily inspections (at which point the NFL pumps were functioning normally) when they noticed the issue.

The control room was immediately notified, and it was determined that a line-3 outage (caused by work on MU-12 testing) was the most likely culprit for pumps 4-6 being offline and the issue was quickly resolved. At the same time, there were SKU faults on pumps 1 and 3. Pumps 1 and 3 were brought back online at approximately 10AM and the system went back into criteria. Pumps 5 and 6 were back online by 1130AM. Pump-4 has been offline for several years and is currently awaiting funding for repairs.

- A. Species – Steelhead (~6/day average passing at the JDA NFL from 3/14/23 – 3/20/23)
- B. Origin – Unknown
- C. Length – Unknown
- D. Marks and tags – Unknown
- E. Marks and Injuries found on carcass – NA
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – Continue regular monitoring of NFL pumps, especially during any line outages. If feasible incorporate more alarms into the SCADA system to let personnel know when systems are out of criteria.

Sincerely,  
JDA Project Fisheries

## Comments –

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

From: Grosvenor, Eric G CIV USARMY (USA) <Eric.Grosvenor@usace.army.mil>

Sent: Thursday, March 30, 2023 11:26 AM

To: Mackey, Tammy M CIV USARMY CENWP (USA) <Tammy.M.Mackey@usace.army.mil>; Lotspeich, Michael D CIV USARMY CENWP (USA) <Michael.D.Lotspeich@usace.army.mil>; Ricketts, Laura A CIV USARMY CENWP (USA) <Laura.A.Ricketts@usace.army.mil>

Subject: RE: FPOM: Official Coordination - 23JDA08 and 23JDA09 STS oil leaks

Fish pumps tripped off during a breaker swap, the feed is from line 3 which MU 12 was on. It just took a little while to get things back up and running.

"Don't worry everything is OK" - Miro

Have fun on your time off.

-Eric

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

From: Tom Lorz <[lort@critfc.org](mailto:lort@critfc.org)>

Sent: Thursday, March 30, 2023 9:10 AM

To: Mackey, Tammy M CIV USARMY CENWP (USA) <[Tammy.M.Mackey@usace.army.mil](mailto:Tammy.M.Mackey@usace.army.mil)>

Subject: [URL Verdict: Neutral][Non-DoD Source] Re: FPOM: Official Coordination - 23JDA08 and 23JDA09  
STS oil leaks

So is this an early april fools oil spill.....If we can get an update on these oil spills and see if it is related to aging structures or a need from more maintenance. Can we also get added to the agenda an update on how they lost 4 of the 5 working pumps on the north shore ladder, seems like additional monitoring or alarms might be needed.....ah John Day, thinking of the Miro response its "ok"

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