

## MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 02 June 2015 FPOM meeting.

The meeting was held at NWP Block 300 Room 3B. In attendance:

Last	First	Agency	Email
Baus	Doug	NWD-RCC	<a href="mailto:Douglas.m.baus@usace.army.mil">Douglas.m.baus@usace.army.mil</a>
Bettin	Scott	BPA	<a href="mailto:swbettin@bpa.gov">swbettin@bpa.gov</a>
Clinton	Patti	NWP	<a href="mailto:Patricia.l.clinton@usace.army.mil">Patricia.l.clinton@usace.army.mil</a>
Conder	Trevor	NOAA	<a href="mailto:Trevor.conder@noaa.gov">Trevor.conder@noaa.gov</a>
Cordie	Bob	NWP-TDA	<a href="mailto:Robert.p.cordie@usace.army.mil">Robert.p.cordie@usace.army.mil</a>
Cutts	Matt	NWP	<a href="mailto:Matthew.e.cutts@usace.army.mil">Matthew.e.cutts@usace.army.mil</a>
Duyck	Pat	NWP	<a href="mailto:Patrick.l.duyck@usace.army.mil">Patrick.l.duyck@usace.army.mil</a>
Fredricks	Gary	NOAA	<a href="mailto:Gary.fredricks@noaa.gov">Gary.fredricks@noaa.gov</a>
Lorz	Tom	CRITFC	<a href="mailto:lort@critfc.org">lort@critfc.org</a>
Mackey	Tammy	NWP	<a href="mailto:Tammy.m.mackey@usace.army.mil">Tammy.m.mackey@usace.army.mil</a>
Posovich	Mike	NWP	<a href="mailto:Michael.s.posovich@usace.army.mil">Michael.s.posovich@usace.army.mil</a>
Prusi	Joel	NWP	<a href="mailto:Joel.w.prusi@usace.army.mil">Joel.w.prusi@usace.army.mil</a>
Rerecich	Jon	NWP	<a href="mailto:Jonathan.g.rerecich@usace.army.mil">Jonathan.g.rerecich@usace.army.mil</a>
Turaski	Mike	NWP	<a href="mailto:Michael.r.turaski@usace.army.mil">Michael.r.turaski@usace.army.mil</a>
Webber	Dow	NWP	<a href="mailto:Arthur.d.webber@usace.army.mil">Arthur.d.webber@usace.army.mil</a>
Wright	Lisa	NWD-RCC	<a href="mailto:Lisa.s.wright@usace.army.mil">Lisa.s.wright@usace.army.mil</a>

Bettin, Conder, Fredricks, Lorz called in.

**June birthdays include:**

**Derugin, Langeslay, Ballinger, Fredricks, Eppard, Setter**

**HAPPY BIRTHDAY!**

Documents may be found at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/>

**1. Decisions made at this meeting.**

**1.1.** 15TDA04 Back-up AWS – concurrence given for the work as described in the MOC.

**2. 15TDA04 Back-up AWS – concurrence given for the work as described in the MOC.**

**2.1.** Coordinate November TDA-N winter maintenance period. Rerecich explained the need to coordinate the TDA-N winter maintenance outage early. Cordie said the winter maintenance work will not include dewatering below tailwater but the entrance will be inspected via ROV. If there is a problem with the grating, plans for maintenance will be coordinated with FPOM.

**2.2.** Coordinate impacts of debris removal in March. Duyck explained the debris removal. Rock would be fractured with expanding grout. The rubble would need to be removed and any protrusions that failed to fracture would need to be broken up and removed. Duyck has a drawing detailing the work area. Nearly the entire pipe alignment and work area is within 50' of the fishway. The work could be completed at night if needed. There would be about a week between the three day blocks. **Fredricks preferred night work and had no concerns with debris removal. Lorz agreed and was willing to give an hour before dark as the start time.** Duyck asked if earlier or later March would be preferred. Lorz said earlier is

preferred. Fredricks said the last week of March could be an issue due to the spring Chinook passage. Conder said the DART 10-year averages tend to be about 30 fish per day in March until the last week, when it shoots up to about 90 fish per day. If the work runs later, then this will need to come back to FPOM, however, if the work is at night then it shouldn't be a problem. Cordie said TDA would prefer the night work as well since it would be less of a disruption for project personnel.

2.3. Duyck brought up the second season for the AWS. He noted we do not have a plan from the contractor yet but he expects there will be a need to coordinate activities outside the IWW. Cordie asked if the expected winter maintenance period will be similar to the 2015-16 Winter work window. Duyck said he isn't sure but it may be a better option to flip the outages for the 2016-17 winter work window. FPOM didn't anticipate too many issues with that at this time.

**3. 15TDA05 railroad rail removal – MOC will be modified and has concurrence.**

3.1. Railroad rail removal. The derelict rails would be removed during the summer while units are available for service. Fredricks asked if there would be any excessive noise. He recalled the work completed at BON and noted it wasn't much of an issue. Webber suggested a chipping hammer may be used but not a jackhammer. Fredricks asked how noisy and how consistently noisy would the work be. Fredricks expressed concern about the rail removal during the day. He suggested moving the ITS gates to a unit not under the rail removal work. Cordie said it is possible to move the gates to units not under the rail removal work. After the work has moved beyond the normal open gates, return to the FPP criteria. Working at night is another option. Bettin asked if the crane rail removal was O&M funded. Turaski said rail removal is part of the larger BPA funded project. Fredricks recommended clarifying that there are two rail systems in the MOC. **ACTION: Cordie will separate the MOCs into two separate MOCs. One will address the railroad rail removal, the other will address the crane rail replacement.** FPOM is most concerned about the July/August timeframe for juvenile passage. Fredricks suggested Cordie come up with a plan for whether gates are moved to an adjacent unit or spaced at least a unit away from the priority unit.

3.2. Coordinate crane rail replacement work over ITS outside IWW. This will be developed into a separate MOC with more discussion. Baus said there could be a concern about additional spill when half of the powerhouse is taken out of service. The crane rail removal would occur during summer 2017. FPOM didn't expect to have high flows in July. Fredricks said the bigger issue is having half of the powerhouse down and the lack of attraction flow at the east end. Cordie noted that normal operation at that time of year usually has U18 running at the east end. Bettin asked about the potential to halt work and allow the crane to access units if needed. That may be a possibility.

4. Transformer delivery/installation. There will be a MOC coming for this project. Cutts explained this project. Each transformer replacement will take four months. There are 11 transformers but only seven banks will be replaced. The fish units' transformer will be completed during the winter maintenance period. Bettin asked if this work would coincide with AWS work. The transformers are expected to be delivered by truck.