CENWP-OD 08 September 2016

MEMORANDUM FOR THE RECORD

Subject: DRAFT minutes for the 08 September 2016 FPOM meeting.

The meeting was held at the Westrick Office at The Dalles Dam in The Dalles, OR. In attendance:

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| --- | --- | --- | --- |
| **Last** | **First** | **Agency** | **Email** |
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| Zorich | Nathan | NWP | Nathan.a.zorich@usace.army.mil |
| Zyndol | Miro | NWP | Miro.A.Zyndol@usace.army.mil |

On the phone: Barnes, Baus, Chamberlain, Eppard, Hausmann, Hevlin, Janasz, Johnson, Kiefer, Pinney, Richards, Roth, Scott, Swank, Trachtenbarg, VanDyke, Wik, and Wright

1. **Decisions made at this meeting.**
	1. August meeting minutes were approved.
	2. MCN - FPOM would like a forebay restriction of 338.4-340 with a 0.3’ buffer during daylight hours due to the failure of weir 338.
	3. LWG cooling pump operations – The cooling pumps will be shut down on September 9th. WDFW, IDFG, CRITFC and NOAA agreed to turn the pumps off but ODFW did not.
	4. MOCs and MFRS
		1. **16 MCN 016 Wasco PUD Commissioning testing – PENDING**. Martinson still needs to complete changes and the revised plan will be put on the FPOM website. Setter wants written comments to respond to Martinson.
		2. **16 LGS 014 Adult Fish Window – Revised – APPROVED**. The project will take apart the cleaning mechanism, rebuild during IWW and install during the winter.
		3. **16LGS 015 MFR Ladder Cooling Pump Outage – APPROVED**. Shutdown criteria was approved and discussed under 4.1.1.1
		4. All future MOCs from BON AFF will have V15 or Sample Mort in the title to differentiate between the sources of the mortality.
		5. **16BON107 MOC B-Branch erosion repair – APPROVED** but Fredricks would like the project to look into leaving the AWS valves on during the repair.
		6. **16BON108 MOC Hydro survey- ODFW, WDFW, NOAA and CRITFC do not approve due to the potential of delaying the peak migration of Fall Chinook with sealion predators in the tailrace.**
		7. **16TDA10 MOC back up AWS – APPROVED.**
	5. FPP Change forms:
		1. **17BON003 -** Nighttime lamprey operations – **PENDING**. NOAA had concerns about the impact to Sockeye. Will revisit at Oct FPOM.
		2. **17TDA001** - Oil spill response – **APPROVED**
2. The following items were provided or discussed. Documents may be found at: <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/>.
	1. *Agenda, Fish Passage O&M Coordination Team.*
	2. *Cooling Water Strainers Lamprey Counts.xls.*
	3. *Coordination/Notification Forms (NWW/NWP)*
	4. *FPP change forms. (NWW/NWP)*
	5. *BPA outages.*
	6. *Sealion graphs (Zorich)*
3. **Action Items**
	1. NWW Action Items
	2. NWP Action Items
		1. [Jul 16] Fishway temperatures from NWP. ACTION: FPC and Greg Moody will send out guidelines to Portland District on the format for sending data. *Status:* Documents were provided. On the last Division Fish call, it was stressed that all projects need to send in their data. TDA takes ladder temperatures at the count station but Conder would like to see exit and entrance pools added in order to see any differentials in the ladder. ACTION: Lorz will create a list of the desired locations for the hobo probes for the temperature program to be implemented this winter. **Status: Completed** **ACTION:** Wright will make a FPP change form for all three projects. MCN would like to change hobo locations for juvenile salmonid temperatures.***ACTION:*** Johnson needs to create a change form to discuss.
		2. [Aug 16] BON lamprey mortalities. ACTION: Lamprey Task Group needs to meet and make a recommendation to BON since the IWW period is coming up quickly. **Status: Pending-** the next lamprey quarterly meeting has not occurred yet.
		3. [Aug 16] BON Sediment Deposition Monitoring. ACTION: Hausmann will write an MOC with more detailed information. **Status:**  No longer needing an MOC because there won’t be any operational changes during monitoring.
		4. [AUG 16] 16TDA09 ACTION: Bettin and Cordie will update the MOC with benefits to fish. **Status: Completed.**
		5. [Aug 16] JDA avian array. ACTION: The PDT needs to write an MOC in order for the region to review the plan. **Status: Pending. Due by the end of next week.**
	3. Completed Action Items or to be discussed later in the agenda
		1. [June 16] LWG JBS Primary Outfall Construction - **ACTION:** Trachtenberg will follow up with the chief of ops regarding information on lock-out tag-out procedures. *STATUS:* Pending until the contract is awarded but LWG is intending to follow what was outlined in the MOC. *STATUS UPDATE:* Trachtenbarg reported that the contract for 1A is delayed and 1B is out for solicitation.
		2. [August 16] Hazmat Response. **ACTION:** Hazmat Response Task Group will meet after the August FPOM. Status: Hazmat Response TG did meet after the August FPOM. Notes are posted on the website. Next meeting after the October FPOM.
4. **Updates**
	1. NWW Updates
		1. Upcoming maintenance/construction/research activities.
			1. LGS Temporary Pumps – Conder explained his proposed shutdown criteria for pumps- if the temperature readings at all depths show less than 20°Celsius for 72 straight hours then the pumps could be turned off. This usually happens mid-September. FPAC agreed to this criteria. Chamberlain noted that they met the criteria yesterday. The project is keeping pumps on site just in case till the end of the month. **FPOM Approved criteria.**  Wik will stop fuel delivery. Setter would like to draft turn on criteria as well.
			2. McNary Dam Oregon shore exit weir 338 failure and possible need for a forebay elevation restriction. Setter updated that there had been a lot of vegetative debris coming down this summer. On 18th of August, the picketed leads clogged up overnight and then the third weir in the flow control section failed. Johnson said when the forebay is above 338.4, the ladder velocities look good but when the forebay is lower and weir 337 lies down, the velocity looked to slow in the pool area. **The project is requesting a forebay restriction of not below 338.4 to keep velocities at the fish ladder exit stable during daylight hours.** Daylight hours will be based on the BON table in the FPP. The current range is 337-340’ with a minimum of 335. Bettin asked if there are any fish impacts right now because it is difficult to hold a restriction right now. Setter said that the project has not seen impacts but is being cautious due to the numbers of Fall Chinook. The least amount of adjustments the better for the flow control section. The project would like to see this restriction for September until the fish numbers drop off. Baus will coordinate with BPA. Bettin mentioned there were several problems with holding a restriction and inquired about a possible buffer of 0.3’ but thought it could work.
			3. LWG cooling pump ops – Setter wants to have options for shutting off criteria. At the beginning of the season, a block study was designed to see if the spray system had an effect on adult passage but was not completed due to contracting. All the equipment is now in place and the study can get behavior data without the spray running. This data is especially important since LGS might get a similar setup. For Conder, the bottom line is that the ladders need to stay under 20°C and differentials of less than 2°C. Pinney said that the temps are under 20°C and the differentials are at 0.5°C so Setter will ask to turn off the pumps on September 9 in order to get the data. If there is a heat spike, the pumps can be turned back on. **WDFW, IDFG, CRITFC and NOAA agreed to turn the pumps off but ODFW did not.**
			4. Dworshak – Setter will post the update of the Unit 3 outage on the FPOM website. The plan will be brought up at a TMT meeting.
	2. NWP Updates
		1. Upcoming maintenance/construction/research activities.
			1. FGE Mods. Continuing
			2. BON T11 / T12(coordinated most recently in 16BON14) Started this week and on schedule.
			3. BON LFS repairs. (coordinated in 16BON11) No change. Dive scheduled for the end of November.
			4. EAL Testing (coordinated in 16TDA08) (Cordie) Currently on-going. The work is taking one week longer than expected.
		2. BON PIT TAG Room (Hausmann) No update. **ACTION:** Hausmann will send cost estimate to Mackey.
	3. Research/FFDRWG updates. [www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html](http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html)

No updates

* 1. RCC update.

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| **Project** | **Previous day (8/10) average (kcfs)** | **5 day forecast (8/15) average (kcfs)** | **10 day (8/20) forecast average (kcfs)** | **Projected Low/Peak (kcfs) and date.** |
| **LWG** | 22 | 24 | 22 |  |
| **MCN** | 87 | 88 | 89 |  |
| **BON** | 94 | 95 | 95 |  |

 **Table 1. RCC flow forecast**

* 1. BPA update – [Handout outages] MCN is the only update from last month. Johnson was checking to make sure the outage will not affect the fish pump operation. The TDA full powerhouse outage is on October 13th and the project will use that outage to get an ROV inspection accomplished.
	2. Pinniped updates. (Zorich) [HANDOUT- Sealion Graphs] There has been an increased sealion presence in August than in past years and new behaviors such as jumping over the FOGs and entering the fish ladder during the fall chinook run to be aware of. There was a peak of 29 this month. A noticeable increase of California sealions in June and July. Fredricks started a discussion of changing the SLED language in the FPP. When asked about leaving the SLEDs in full time, Peery warned that during the peak migration, the SLEDs could cause some delay and the action of putting the SLEDS in and out could also cause delay. BON needs to balance the risk of delay with the problem of having a sealion in the ladder. Lorz suggested picking a couple of vulnerable entrances to leave SLEDs in and hang the other SLEDs above the entrance in case it needs to be dropped. **ACTION**: Hausmann and Fredricks will create a change form for FPP SLED language. The language needs to include trigger numbers and dogged off vs. laying on the deck while thinking about crane needs. Conder asked about Van Der Leeuw’s proposal to haze Stellars on Tower Island in spring. Zorich reported that it happened but will have to get back to FPOM on the results. It could be a similar situation for fall sealion hazing. Lorz brought up streamlining notification to outside agencies but it was noted that there was no delay in notification on this issue.
	3. Lamprey updates. (Zorich) BON LPSs are still in operation. The passage numbers have been excellent, nearly double the 10 year average.
	4. Avian Update
		1. TDA (Cordie) – no update
		2. JDA (Zyndol)- Zyndol would like someone to check for PIT TAGS on the island where pelicans have been resting and wants permission for USDA to haze pelicans next year. Zyndol will talk with Trachtenbarg from the Inland Avian Management Program about checking for PITTAGS on the islands.
		3. MCN (Setter) – no update
1. **Coordination/Notification forms (need concurrence/discussion)**
	1. **16 MCN 016 Wasco PUD Commissioning testing – PENDING.** Martinson completed changes and the revised plan is on the FPOM website. Setter wants written comments to respond to Martinson.
	2. **16 LGS 014 Adult Fish Window – Revised -**The project will take apart the cleaning mechanism, rebuild during IWW and install during the winter. **Approved.**
	3. **16LGS 015 MFR Ladder Cooling Pump Outage – discussed earlier 4.1.1.1**
	4. **WA Shore fishway exit closure from debris (16BON91)** Fredricks would like to know number of occurrences of tribal platform debris, length of time that the exit is plugged and start to know the severity and impact to the fish ladder in order to make changes. Hausmann noted that this was a lot of debris, usually it is a piece of wood here and there. **ACTION:** Hausmann will start documentation of platform debris including past problems in order to address this problem in the future.
	5. **16BON94-106 MFRs**
		1. **Temp control in AFF-** There have been eight sampled fish that died. The MOC dated July 13th said the cause was under investigation. Lorz said that the staff added water to the anesthetic bottle instead of measuring out the anesthetic resulting in a higher concentration. The fish were over anesthetized plus the warmer water temperatures resulted in the mortalities. The staff takes water temperatures once an hour. Email CRITFC directly for more information on the AFF operations.
		2. **Change in AFF mort title-** All future AFF MOCs will have AFF Sample mort or AFF V15 mort in the title.
	6. **16BON107 MOC B-Branch erosion repair –** Fredricks would like the project to look into leaving the AWS valves on during the repair, otherwise **approved**.
	7. **16BON108 MOC Hydro survey –** The original MOC sent out in August with the Sept 8 but FPOM disapproved of the date due to high Fall Chinook numbers. The hydrosurvey crew was only available on Sept 8 or in October. The October date was too late to get the survey information into the contract so the date had to be changed back to Sept 8. Richards said work needs to be done in December otherwise each month towards April, the project takes on more risk of not being completed. If the work is not done, spill will be adversely affected. Lorz said that he understood the need for the work but felt that it should not be scheduled for the highest peak of fall chinook. Fredricks said that the risk of impact is small but it is magnified by all the migrating fish plus there are sealions in the tailrace.tailrace. He stressed that it is really bad timing and that he can’t believe that the COE can’t move the survey date by one week. Richards said that FPOM requested not to do the August survey and to wait until spill had stopped thus Sept 8th was chosen. Eppard said that it comes down to risk management. If the survey team is only available today, it is an unacceptable risk to juvenile spill season to wait. Fredricks and Lorz asked about using the July data for the contract but Richards said that the July survey did not include all of the necessary data. Fredricks asked about leaving the AWS water on. Richards said that too much air is generated which would result in poor data. It is scheduled for four hours but it likely won’t take that long and the ladder may return to service after 2 hours. Richards suggested additional hazing but FPOM felt it wasn’t affective enough. **ODFW, WDFW, NOAA and CRITFC do not approve due to the potential of delaying the peak migration of Fall Chinook with sealion predators in the tailrace.** Hausmann will check into the clearance holder staying late and see if the AWS valves, since it is not a safety issue, can be turned on and off during the survey. Hausmann updated that the valves could start open and if the survey crew needs to shut them off, they will. FPOM accepted the MOC after BON was able to minimize the amount of time that the attraction water was off.
	8. **16BON109 Sealion in WA Shore fish ladder- possible change in FPP SLED language**
	9. **16TDA10 MOC back up AWS – Approved**
2. **Fish Passage Plan:** The Current 2016 FPP and Draft 2017 FPP Change Forms are online at: [http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/](http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2014/changes/index.html).
	1. Pending FPP Change Forms.
		1. **17BON003 -** Nighttime lamprey operations. FPOM wants more time to consider. Will revisit at Sept FPOM. **Pending.** This operation occurs at Powerhouse 2 already and the project would like to expand it to both powerhouses and the spillway. This happens from June-August after sealions have left the tailrace. Sockeye is still a minor concern since they pass at night and during June. Fredricks and Conder feel that the impact on Sockeye should be looked at for both powerhouses and the spillway. Lamprey groups can still pursue this operation but NOAA needs more data about sockeye impacts. **ACTION**: revisit at Oct FPOM.
		2. **17LWG001** – Forebay Exit Cooling Pumps (Setter). Revised and emailed May 16. Will revisit at the beginning of 2017.
		3. **17AppB002 –** Transition to Primary Bypass (Conder). Approved for LMN only; LGS pending coordination with project. Will revisit at NOV FPOM.
	2. New FPP Change Forms
		1. **17TDA001** - Oil spill response - **Approved**
	3. Revision to the BON split flow FPP language. There was a huge surge in fish numbers after the change to split flow operations at BON. Fredricks would like to look at hourly fish passage vs flow pattern and asked if the split flow should be reconsidered. Bettin mentioned that the cross channel swim on Labor Day affected the hourly flows on that same day. BPA would prefer to count on a date for maintenance. **ACTION:** Lorz and Fredricks will to write a change form by January FPP meeting.
3. **Task Group Updates.**
	1. BON minimum spill to maintain good B2CC egress. (Fredricks and Lorz). Team: Bettin, Ebner, Hausmann, Mackey, Rerecich, Wright.
	2. Hazmat response. (Cordie). Team: Baus, Bettin, Conder, Fredricks, Hausmann, Lorz, Mackey, Wright, Zyndol. TG met after the August FPOM. Next meeting after the October FPOM.

The next meeting will be in Portland at the CRITFC office on October 13, 2016.