

## MEMORANDUM FOR THE RECORD

Subject: FINAL Minutes for the 10 May 2007 FPOM meeting.

1. The meeting was held in the Summit room, Portland District Office, USACE. In attendance:

Last	First	Agency	Office	Email
Bailey	John	USACE	(509) 527-7123	<a href="mailto:John.c.bailey@usace.army.mil">John.c.bailey@usace.army.mil</a>
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Erickson	Don	USACE		
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- 1.1 Ann Stephenson was introduced to the group, and the group to her. She is the new WDFW representative at FPOM. She will also be handling fish counters.
- 1.2 Dave Hurson was not able to make the meeting, J. Bailey was moderator.
2. The following handouts were distributed:
- Agenda, Fish Passage O&M Coordination Team, handed out by J. Bailey.
  - O & M report for Walla Walla projects, handed out by J. Bailey.
  - O & M report for The Dalles/John Day projects, handed out by B. Cordie.
  - O & M report for Bonneville Dam, handed out by B. Hausmann.
  - Bonneville spillway survey information, handed out by D. Erickson.
  - Walla Walla budget spreadsheet, handed out by J. Bailey.
  - Portland District budget spreadsheet and descriptions, emailed by T. Mackey.
  - RCC flow report, handed out by B. Klatte.
3. Action Items
- 3.1 Summer spill recommendations. **ACTION:** FPOM members will need to run the recommendation of 83 or 85K through their offices, as well as the Office of Legal Counsel. The Technical Team will take the recommendations to NWD. **STATUS:** A final decision needs to be made.
  - 3.2 Lower Granite RSW drogue activities. USGS wants to run drogues across the forebay for calibration. **ACTION:** B. Klatte will send the information to D. Hurson regarding the request. **STATUS:** This request was cancelled.
  - 3.3 The Dalles tainter gate issues. **ACTION:** NWP will provide more details as to what is going to happen and how repairs will be paid for in May. **STATUS:** Robert Rose provided more information about the problems with the tainter gates. The trouble is with the supports, not just the trunion pins. The District is working on a plan of action.
  - 3.4 Shad Fishery Task Group. **ACTION:** B. Cordie to send out a meeting request. **STATUS:** A meeting was scheduled for 1400 on 15 May, at CRITFC.
  - 3.5 Bonneville PH2 Unit 11 operations. **ACTION:** T. Mackey and B. Hausmann will look into getting a time critical dive planned for mid to late May. **STATUS:** The Project decided to pull trashracks on 16-17 May. Significant amounts of debris were removed. Fisheries will monitor the fish condition at the JMF before going forward with planning a dive.
  - 3.6 McNary spill gate 14. **ACTION:** NWW will need to coordinate with the region to determine which spill pattern is being used.

- 3.7 Lower Granite fish pumps. **ACTION:** J. Bailey will check on D. Benner's inquiry about the number of pumps available on 21 and 23 April. **STATUS:** There appeared to be some miscommunication. Pump #3 was available during those days. The pump was more worn than expected but was still functional.
- 3.8 Lower Granite Fish Mortalities. 232 juvenile morts were reported at the truck loading pit at Lower Granite on 2 May. FPOM inquired about the use of flushing water before sending fish through the system. **ACTION:** J. Bailey will check the ops manual to ensure flushing is part of the start up procedures. He will report back at the next FPOM.
- 3.9 Bonneville PH1 turbine priorities. **ACTION:** Look at tailrace conditions with the models.
- 3.10 Switch Gate Seal at BON: **ACTION:** TDA and BON will collaborate on new seals. E. Meyer requested BON look into a PLC change to allow for continuous flushing flow.

#### 4 Construction Updates

- 4.1 Bonneville provided a handout. The TIE crane will require a boom replacement. Money is still needed.
- 4.2 TDA/JDA provided a handout. TDA crane- the contractor is working on the crane. Until they are finished, raking cannot occur. The Project did an ROV inspection of most intakes and the drawdowns are within criteria at this time.
- 4.3 Walla Walla provided a handout.

#### 5 Fishway Status

- 5.1 Bonneville provided a handout.
- 5.2 TDA/JDA provided a handout.
  - 5.2.1 The Dalles East Exit Fishery. There is a spring chinook sport fishery at the east exit. Fishing is occurring within 80' of the fishway exit. OSP is unable to cite anyone due to a lack of signage. TDA is working on getting signs posted and maybe changing the BRZ boundaries.
  - 5.2.2 Unit 18 will be going out of service. Sluiceway gates at 18 will be closed. Gates at 19 will be opened instead.
- 5.3 Walla Walla provided a handout.
  - 5.3.1 Lower Monumental special spill. 31.5 kcfs took place on 2 May due to large numbers of juvenile fish jumping in the forebay. B. Klatte was given accolades for coordinating the spill to help these fish move downstream.
  - 5.3.2 Lower Granite Fish Mortalities. 232 juvenile morts were reported at the truck loading pit at Lower Granite on 2 May. FPOM inquired about the use of flushing water before sending fish through the system. **ACTION:** J. Bailey will check the ops manual to ensure flushing is part of the start up procedures. He will report back at the next FPOM

#### 6 Research

- 6.1 Bonneville provided a handout.
- 6.2 TDA/JDA provided a handout.
- 6.3 Walla Walla provided a handout.

#### 7 Updates from Task Groups.

- 7.1 Avian Predation. B. Cordie asked if we would pursue lethal take again. USFWS still has a lethal take moratorium. There is a workshop on 17 May in Richland to discuss avian hazing and abatement.
- 7.2 Shad Fishery task group. A meeting will be held on 15 May at 1400. T. Lorz will find a meeting room at CRITFC. B. Cordie requests everyone read the handouts he sent a few months ago.
- 7.3 Lamprey Task Group. The Lamprey Task Group meeting will be held after the FPOM on 14 June. The meeting will be at The Dalles. Fish bios were asked to supply ladder pool specific info (quantitative if possible, and qualitative if not) regarding lamprey salvage and mortality problem sites to the Lamprey Task group by next FPOM meeting. This information is essential for hydraulic engineers to evaluate any potential negative effects from replacing existing grating with new smaller gap lamprey friendly grating.

- 8 Bonneville AFF Picket Leads. G. Fredricks suggested FPOM approve four leads down in the morning until 1100 then open at least two until 1600, when all four could be dropped back down until 2000. **FPOM agreed to the split window with all four leads down.** It was also stressed that if two leads remain down from 1100 until 1600 then someone must be in the lab with the flumes open. If all four leads are pulled from 1100 until 1600 then the lab **MUST** be in bypass mode. This deviation to FPP appendix G is for So. Fork Salmon fish only and there is no deviation allowed when the temperatures result in modified trap operations. Also, this is the last year for this research; we will not revisit this issue next year.
- 9 Bonneville spill gate 9 outage.
  - 9.1 D. Erickson provided handouts and talked about the basin survey results. The spillway gallery is missing about ½ of the concrete between the gallery ceiling and the spillway basin bottom. Concerns revolve around the air, **sewer**, water, and electric lines running through the gallery. Dam safety instrumentation is also in the gallery.
  - 9.2 A temporary fix might consist of replacing the missing concrete, however this would be difficult to do and get a good bond. Another option is to install flood gates in the gallery to minimize damage in the event of a breach.
  - 9.3 Reducing flow through bay 9 may not be a good idea since the mechanism for damage is currently unknown.
  - 9.4 Since this is not currently a dam safety issue, there is time to do an alternative study in FY08/09. The region is asked to provide input as to what an ideal spillway basin would look like at Bonneville. These suggestions will be included in the alternative study and a comprehensive approach to repairing or replacing the spill basin will be moved forward.
  - 9.5 A memo should be out by the end of May with more details.
- 10 Bonneville PH2 FOGs. The Project will take about a week to remove the stab plates. These will be removed at the same time as the SLEDs. Removal will occur before 15 June. The Project is unsure of what will happen for next year.
- 11 Bonneville PH2 U11 operations
  - 11.1 G. Fredricks doesn't want to see U11 run at the lower end of 1% for extended periods of time. The Project proposes a dive to get debris out of the trashracks. Once the racks are clean, the unit can return to normal operation. **ACTION:** T. Mackey and B. Hausmann will work on getting a dive contract together and the dive completed within a week or two.
  - 11.2 The B2 TSP group will talk about the 1% criteria on 21 May.
- 12 Bonneville PH2 FGE modifications- moved to FFDRWG
- 13 John Day fish Screen video camera inspections. The Project is prepared to inspect fish screens on 11 May.
- 14 John Day spill gate 3 outage update- the spill gate is back in service.
- 15 McNary spill gate 14 repairs
  - 15.1 The gate is open at three stops. Once the parts arrive, the gate will be repaired. Hopefully this will occur by 16 May.
  - 15.2 G. Fredricks and B. Klatte developed a pattern for McNary to use, but they have not heard back from NWW regarding the pattern. They have noticed that the Project is maintaining 40% spill but by **what pattern?** **ACTION:** NWW needs to coordinate with the Region about what pattern to use. Ken Hanson is the person who needs to provide input. Until then, no RCC teletype can be issued.
- 16 Ice Harbor JFF recirculation system. The facility is not set up with a recirculation system. It is reported that D. Hurson doesn't recommend installing a system. J. Bailey and B. Hevlin recommend looking for a small system to be used when needed. Currently fish are anesthetized, flushed with fresh water, and then anesthetized again. G. Fredricks says it should be follow on. **This item is moved to FFDRWG.**
- 17 Ice Harbor JFF sample season extension. FPOM members expressed interest in continued sampling as long as fish were still showing up. B. Hevlin indicated that fish were seen later than usual last year and we should

continue to sample through July to see what and how many continue to come through the system. It is reported that D. Hurson doesn't recommend extending the season. B. Hevlin recommends periodic sampling until 1 August. T. Lorz wants to know if the crew from LoMo could visit ICH to do sampling. All of this would require a contract and permit modification and **someone needs to convince D. Hurson.**

- 18 Little Goose Unit priority/operation. Unit priority changes to U1-6 with U1 at the upper 1%. J. Bailey wants to operate at FPP priority, and then work on GDACS system changes. He wants to remove the FPP criterion that requires a maximum discharge from U1. Requiring different discharges from the units requires the operators to run the units in manual, since GDACS evens out flow over the units. This manual operation is undesirable as it requires constant attention by the one operator, especially when elevations change. **FPOM says ok to ignoring the varying discharge requirements in the FPP.**
- 19 McNary Spillway outage/split beam transducer repairs. B. Klatte reported that the transducers on bay 22 are bad. Researchers would like to shift spill to bays 1-11 or 1-14 so divers can replace the transducers. This work would occur sometime on 19-21 June. TMT was worried about the fish numbers. The work needs to be done if vertical distribution information is to be gathered. It would require a six to eight hour outage. G. Fredricks and T. Lorz prefer to move the work to 10-15 June; however that time frame interrupts another study. **FPOM says OK to the work if it is NOT done on a 60% day and it is done as early as possible but does not impact the acoustic study.**
- 20 River Flow Forecast- B. Klatte provided a handout
- 21 Other
  - 21.1 Adult counts for the Snake River. D. Benner reported that the counts are off.
  - 21.2 FPP comments. T. Mackey pointed people to the running list of FPP comments in each month's minutes. If anyone has comments or questions, we should be discussing those throughout the year, not just waiting until autumn.
  - 21.3 TDA adult counts. G. Fredricks noted that the change between north and east ladder usage is significant. It appears that somewhere between 90-100K spill results in a significant shift in passage.
  - 21.4 TDA spill. G. Fredricks also noted that TDA appears to be spilling 315K voluntarily. BPA pushed the volume up, which pushes 40% spill down within bays 1-6. There followed some discussion about whether bay 7 was a worse passage route than the turbines. No one is sure. **FPOM says BPA should not be voluntarily exceeding flows of 315K, thus forcing 40% spill outside bays 1-6. FPAC will further pursue keeping flow changes within reasonable levels to keep 40% spill within bays 1-6.**
- 22 FPP comments.
  - 22.1 Bonneville
    - 22.1.1 Table BON-1 states bays 1 and 18 will be open 4". It should read 6".
    - 22.1.2 Move Table BON-5 from Section 2.0 to Section 5.0 Turbine Unit Operation and Maintenance. This is where the other Projects have their Unit priority tables as well.
    - 22.1.3 Add verbiage to Appendix G specifying that when the trap is in operation, the flumes must be open and must be manned.
  - 22.2 The Dalles
    - 22.2.1 TDA Section 2.6.1.2- want to discuss the water velocity requirements.
    - 22.2.2 TDA Section 3.3.2.4. - need to discuss diffuser grating repairs and whether those can wait until the IWW period if the valve is closed.
  - 22.3 John Day
    - 22.3.1 JDA Section 2.4.1.2.a- Need to discuss including a VBS drawdown measurement requirement.
    - 22.3.2 JDA Section 2.4.1.2.m.8- need to discuss the dewatering of the PDS for adult removal during fish passage season.
    - 22.3.3 JDA Section 3.3.2.4- need to discuss diffuser grating repairs and whether those can wait until the IWW period if the valve is closed.

23 The meeting adjourned at 1215. The next meeting is scheduled for 14 June at 0900. The June meeting will be held at The Dalles in the Westrick room (west end of the powerhouse). The Lamprey Task Group will be held immediately following FPOM. A tour of the Project will be available following the FPOM as well.

Prepared by  
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