

MEMORANDUM FOR THE RECORD

Subject: Final Minutes for the 08 March 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	John.c.bailey@usace.army.mil
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2. The following handouts were distributed:

- a. Agenda, Fish Passage O&M Coordination Team
- b. O & M report for Walla Walla projects, handed out by J. Bailey
- c. O & M report for The Dalles/John Day projects, handed out by B. Cordie.
- d. O & M report for Bonneville Dam, including weekly report sample, handed out by B. Hausmann.
- e. Spill Patterns for Little Goose, handed out by J. Bailey.
- f. Spill pattern trip notes for Bonneville, handed out by D. Schwartz/ R. Lee.
- g. Fish Passage Facility Priority Listing sheet, handed out by D. Hurson.
- h. Limited copies of the final February FPOM meeting minutes, handed out by T. Mackey.

3. Bonneville Spill Patterns. Discussion about the ERDC trip on 26 February. Models included TDG.

- 3.1 Spring spill patterns. The team looked at 100k over a variety of tailwater elevations. Bonneville is a bit different from the other projects in that it has tidal influence and a highly fluctuating tailwater. The tailwater elevation influences the energy from the spill, changes the efficiency of the flip lips, and channel changes become more influential. The 100k patterns were agreed upon.
- 3.2 Summer spill patterns. Normally summer spill at Bonneville is 75k during the day and gas cap at night. The team set up 75k. The pattern didn't look very good. Lots of recirculation. They looked at a variety of configurations then looked at opening Bays 2 and 17 an additional stop (approximately .5'). This bumped the spill to 83k. It looked better. NOAA preferred opening the ends one more stop, to ~85.6k but the FPOM discussion started at 83k. The Technical team is still looking at the 83k versus 85k. There was some discussion about trying to balance the water use by reducing the gas cap at night, recognizing that BPA wouldn't be fully compensated for the increased daytime spill. Some discussion about starting summer spill earlier to coincide with fish study releases.

- 3.3 **FPOM members agreed to the 100k pattern changes. FPOM will work with FFDRWG to get three recommendations implemented: change from 75k to 83/85k; reduce the gas cap at night; start summer spill on 21 June.**
- 3.4 You can view the digital video of the spill patterns at <ftp://chlguest@134.164.34.99> The username is chlguest. Password is 3bit5map

4. Action Items

- 4.1 JDA fish pump and gear box overhaul. **ACTION:** Hurson to send Cordie the contract Walla Walla used. **STATUS:** This was discussed as agenda item 9.
- 4.2 Bonneville 16 April unit outages. **ACTION:** T. Mackey will check with BPA regarding the FPOM recommendations. **STATUS:** The 31 January TMT notes indicate the outage was fully coordinated and that the duration was for 8-10 hours. The work cannot be done at night due to safety concerns, nor did the TMT reps want it done earlier due to concerns about the chum redds.
- 4.3 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.
- 4.4 Bonneville PH1 turbine priorities. **ACTION:** Look at tailrace conditions with the models.
- 4.5 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.

5 Construction Updates

- 5.1 Bonneville provided a handout. The Project will retain seven STSs (six normal, one spare).
- 5.2 TDA/JDA provided a handout. The spillway wall gap closure work is completed.
- 5.3 Walla Walla provided a handout. LoMo RSW fabrication is behind schedule. Lower Granite needs to look at MOP v. MOP+1 for operation of the adult fish trap.

6 Fishway Status

- 6.1 Bonneville provided a handout. Cascades Is. will return to service, with the UMT, on 09 March. The B2CC opened on 01 March.
- 6.2 TDA/JDA provided a handout. The Dalles east fishway weir S2 is expected to return to service on 01 April. The John Day south fishway is operation in criteria with two fish pumps.
- 6.3 Walla Walla provided a handout. The McNary Oregon ladder has a steel plate welded over a broken viewing room window and returned to service on 05 March.

7 Research.

- 7.1 Bonneville provided a handout.
- 7.2 TDA/JDA provided a handout.
- 7.3 Walla Walla provided a handout.

8 Task Groups. Nothing to report.

- 9 Bonneville PH1 turbine priorities. With Unit 2 coming back, it will need to go through the 72 hour run test. D. Schwartz requests the first on/ last off status be maintained through 13 March. **There was no opposition from FPOM.** After U2 returns, what will the priorities look like? U10 is due to return in mid-April. FPOM wanted to look at the egress conditions to help establish the best patterns for fish in the tailrace. **ACTION:** FPOM needs to look at the model.
- 10 Bonneville 16 April Turbine Unit outages. TMT coordinated an all day (8-10 hours) outage for U7, 11-18 and both fish units for 16 April. This was brought up at FPOM to make sure everyone was aware this was an eight to ten hour outage, not 2-4 hours as some had thought, during the peak of the chinook salmon run at Bonneville. FPOM recommends moving the date to before spill or doing it at night if after spill starts. This is to reduce fallback. **ACTION:** T. Mackey will check with BPA regarding the FPOM recommendations.
- 11 John Day Floating Orifice Closure Update. T. Lorz had requested an update on how things were going with the closure of the floating orifice gates. All seems to be well.

- 12 John Day Fish Pump Rehab. The Project will cap one turbine and run two. The work is likely going to take at least four month, possibly six and, at worst, 12 months to complete. The spare gear box is being worked on now. The fishway is barely able to meet criteria with two turbines at full operations. B. Cordie suggested he might be better able to meet criteria if the floating orifice gates (FOGs) could be closed. If tailwater drops, would FPOM prefer the Project close the FOGs or the main entrances? **FPOM okays closing the FOGs over the main entrances to maintain criteria.**
- 13 FPP comments update. B. Klatte commented that he was still waiting for NWW and Appendix E. Everything else will be posted on the web by 09 March. There were some items that came out of FPP discussions for The Dalles and John Day. These will be discussed in April. They are listed below.
 - 13.1 TDA Section 2.6.1.2- want to discuss the water velocity requirements.
 - 13.2 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.
 - 13.3 JDA Section 2.4.1.2.a- Need to discuss including a VBS drawdown measurement requirement.
 - 13.4 JDA Section 2.4.1.2.m.8- need to discuss the dewatering of the PDS for adult removal during fish passage season.
 - 13.5 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.
- 14 McNary Nav Lock Crane Repair. Will be repaired in 2007. Discussion deferred until April.
- 15 John Day Nav Lock Dive. No longer any fish issues to worry about.
- 16 Budget Priorities. D. Hurson provided an updated budget/five year plan for NWW. NWP will provide a handout after the budget/five year plan is updated on 27 March. Further discussion and ranking will occur at the April FPOM.
- 17 River Flow Forecast: B. Klatte will provide a one page handout in the future. March final has TDA- 93%, Grand Coulee- 100%, Libby- 103%, Dworshak- 82%, Lower Granite- 78%, Willamette Valley- 92%, and Brownlee- 60%.
- 18 Other:
 - 18.1 B2CC plunge pool/ staff gauge request. Bonneville Project requests a 12' tailwater elevation and B2CC closure on 22 March to facilitate both a plunge pool dive and work on the Washington shore fishway staff gauges. The dive is to look at the plunge pool in an attempt to determine why and how the mattresses shifted. **FPOM okays a 1200 – 1600 B2CC closure and tailwater restraint for 22 March.**
 - 18.2 TDG for chum. Need a couple of day lead time in order to rent a crane to close the B2CC.
 - 18.3 Lamprey passage. There were questions as to how lamprey are addressed in the FPP. Lamprey are included in several areas. No operating criteria until the lamprey passages are turned over to the Projects (Bonneville should happen in 2009). **FPOM recommends including a paragraph for lamprey and sturgeon in the FPP.**
- 19 FPOM meeting concluded at 1150. The next meeting is scheduled for 12 April at McNary. Start time is 1000.