

## Final 11 October FPOM MINUTES

CENWP-OD

31 October 2007

### MEMORANDUM FOR THE RECORD

Subject: FINAL Minutes for the 11 October 2007 FPOM meeting.

The meeting was held in the Robert Duncan Plaza Summit Room, Portland District. In attendance:

Last	First	Agency	Office	Email
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1. B. Klatte started the meeting with introductions. Attendees are listed above.
2. August FPOM meeting minutes were approved. The agenda was approved.
  - 2.1. It was suggested the minutes include a section called "finalized items" which will include those approved changes that should be included in the FPP.
3. Action Items. While waiting for people to get through security, Action Items were covered.
  - 3.1. J. Adams requested some discussion on the Water Management Plan so altered operations for navigation can occur quickly. He would like to have approved altered spill operations in the WMP so TMT can make changes quickly. G. Fredricks suggested the spill patterns be included in the FPP instead.  
**ACTION:** J. Adams will develop FPP language.
  - 3.2. Dam Angling and Hazing program plans. **STATUS:** B. Cordie provided information for the agencies to review. He would like to trim the gull hazing from six to three months. This would target the main months for gull activity. He proposes May-the first two weeks of August. With a potential for cost savings, could the Corps pick up the pikeminnow dam angling, if BPA drops it? Fredricks commented the dam angling is included in the BiOp. Wills clarified that the Corps could apply for a lethal take

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- permit, the Mid-C dams are currently working through that process. Need clarification on the Corps policy for lethal take. **ACTION:** Continue this discussion in November. D. Wills will send an example of a lethal take permit application to B. Klatte, B. Cordie and T. Mackey.
- 3.3. Umatilla lamprey transport permits. **ACTION:** T. Mackey will check on the status of state collection permits. **STATUS:** A. Jackson faxed copies of the permits. These were tribal permits, not state transportation permits. A call to Gary James was made. He indicated Tribes, since they are co-managers, work closely with ODFW on their programs but do not get the actual permit.
  - 3.4. Lamprey transport issues. **ACTION:** D. Wills will take the management questions to FPAC. **STATUS:** FPAC could not make any management decisions due to the levels of uncertainty and knowledge gaps. D. Clugston indicated this is an issue the Lamprey Technical Work Group is discussing.
  - 3.5. FPP Change Form. **ACTION:** S. Boyd will draft a FPP change form for comment. **STATUS:** The draft was e-mailed on Friday September 14<sup>th</sup>. S. Boyd will be taking comments on the draft form. FPOM would like to see the change forms used for in-season changes but not at the end of the year. It was suggested RCC be the repository for the change request forms.
  - 3.6. NWW, but not NWP, on the web. **ACTION:** B. Klatte will find out why NWP projects are not on the web yet. **STATUS:** NWW got their program through before the increase in security. NWP is trying to navigate the security issues at the Pentagon.
  - 3.7. JDA Floating Orifice closure. **ACTION:** B. Cordie to develop language, for inclusion in the FPP, which outlines when and how the FOGs should be closed. **STATUS:** B. Cordie developed a test plan for Agency review. **ACTION:** FPOM will review the procedures and provide comment by the November FPOM meeting.
  - 3.8. Additional spill for fish passage. **ACTION:** B. Hevlin to draft language for the FPP. **STATUS:** B. Hevlin sent out draft language. This issue will be carried over to the November FPOM meeting.
  - 3.9. Bonneville PH2 TIES. S. Bettin said SCT is looking at new TIES. G. Fredricks said to look at permanent TIES. He suggested looking at old TIES studies and coordinate an ad-hoc meeting. **ACTION:** T. Mackey to find out TIES life expectancy. S. Bettin will get this as an SCT line item.
  - 3.10. Draft tube grizzly drains. **ACTION:** BON and TDA are to work on a design for new grizzly grates.
  - 3.11. 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. **STATUS:** B. Cordie is looking into an air bladder seal. B. Hausmann needs more information regarding the continuous flushing flow request from NOAA Fisheries. This will remain an Action Item.
  - 3.12. Discussion of JDA SMF future operations. **ACTION:** D. Schwartz will set up a meeting for all the necessary participants to really, thoroughly discuss the future monitoring needs at the JDA SMF.
  - 3.13. BON PH2 VBS differential information. **ACTION:** D. Schwartz will send technical data including velocity profile criteria to FPOM. **ACTION:** D. Schwartz will pull together the cleaning criteria information for FPOM.
  - 3.14. The use of galvanized steel in fishways. **ACTION:** Corps to find the leaching rate of zinc. **ACTION:** G. Fredricks also indicated he send his memo to B. Klatte and T. Mackey for FPOM distribution. **STATUS:** G. Fredricks sent his memo on 11 October. It will be included with the draft minutes.
  - 3.15. The Dalles Stub weir removal. **ACTION:** Find out why the stub weirs are there. No one seems to know why, though it is speculated they are there to make sure the bulkhead sill stays clear.
4. Updates. B. Klatte asked if we wanted to keep the same format or make changes. G. Fredricks indicated he would only like to hear about the big stuff, things that have gone wrong. He would like to see less paper at the meetings. T. Lorz wanted to have a little more detail since he may not be able to read the weekly reports every week. There is no need to duplicate the weekly status report in the O&M write up. **RESULT:** Both Districts will send their update information to Klatte/Mackey for inclusion with the agenda. Issues needing discussion will be a separate agenda item, all other issues should reflect any changes between the time the weekly report was sent and the FPOM meeting. All handouts should be sent to Klatte/Mackey prior to the meeting. These documents will be e-mailed to the entire FPOM group.

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5. Bonneville spillway repairs powerpoint presentation (Schwartz/North).
  - 5.1. Tom North is the technical lead. The drawings show the emergency structural repairs (designated ER) and the priority 1 and priority 2 fish repairs (designated P1 and P2, respectively). Repairs are scheduled to occur in Bays 9, 12, and 14. The state line runs down, roughly, the center of the main dam, resulting in the need for permits from both states.
  - 5.2. Funds have been secured for ER and exposed rebar removal. Funds are still being sought for P1 and P2 holes. The contract will be issued as design, install, anchor. The development of the flexible form will be left to the contractor. The concrete will have several additives to ensure structural integrity. The placement will be completely contained with no anticipated exposure to the river.
  - 5.3. There will be three options in the contract. Option 1 will include removing exposed rebar from piers 7-9, 12 and from the bays being repaired. Option 2 will include the repair of P1 sites. Option 3 will include the repair of P2 sites. Option 1 will be exercised with the contract. The other two may be exercised if funds become available.
  - 5.4. G. Fredricks expressed concern about potential washout and rebar left exposed during spill season. T. North explained that there will be a rebar mat placed over the rebar anchors, in addition there will be about six inches of concrete above the anchors. Any erosion should expose the mat prior to exposing any hooked anchors. CFD models do not show cavitation as an issue in the area. It was prior to flow deflectors that cavitation was a concern. D. Erickson added that these are interim repairs, however the repair is anticipated to be of greater strength than the surrounding concrete. A permanent fix is not expected until 2010/2011. A special FFDRWG will be set up to brainstorm all possibilities for the Bonneville spillway tailrace and how it could be best configured for fish and flood.
  - 5.5. T. North laid out the schedule. BCOE should be out soon. The notice to proceed is expected 1 November. This is an 8A contract, with Randolf being the prime. They will be using Advanced American to do the diving. Ideal start date would be 1 December with the end date of 29 February. There will be a need for a one day outage for Bay 1 during the dive survey for that bay. D. Schwartz will work with Ops and Project Fisheries to ensure this outage is coordinated in advance.
  - 5.6. This work is considered covered by the FCRPS BiOp under non-routine maintenance. FPOM needs to approve this action. T. Lorz is concerned about the legal issues, but is okay with this route of coverage for this instance. G. Fredricks is concerned about referring to the main dam as a fish passage structure. He fears this may result in fish money having to pay for all repairs or modifications.
  - 5.7. D. Schwartz also indicated that bay survival estimates should be available by the November FPOM. **ACTION:** D. Schwartz will send out info regarding Bays 1 and 18 (18 will already be closed since Bradford Is. will be dewatered this winter) outages and bay specific survival information.
  - 5.8. **RESULTS: FPOM says move forward with the repairs. Keep this on the November agenda.**
6. Bonneville PH2 VBS differential. D. Schwartz explained out the differential is derived and what the operating ranges are. There are transducer Stillwells in the upstream and downstream gatewells. This measures differential across the VBS. Current operating differential is .5' to 1.0'. It has been determined that 50% blockage starts to create screen velocity criteria violations. **ACTION:** D. Schwartz will send technical data including velocity profile criteria to FPOM.
  - 6.1. G. Fredricks would like to see the criteria for cleaning in the FPP. The Project cleans the screens when differential is .9' Mon-Wed and .7' on Thu or Fri. **ACTION:** D. Schwartz will pull together the cleaning criteria information for FPOM. This will be discussed at the November FPOM meeting.
7. Bonneville Floating Orifice Gate exclusion bars. B. Hausmann asked if Bonneville could put the bars in and then leave them in. This would save the maintenance crews a lot of time and effort since the bars, while built to spec, do not readily fit through the deck slab opening. Installing and removing the bars requires two cranes, a shutdown of the fishway and personnel in a boat in the collection channel. G. Fredricks believes the Corps should work on a permanent removable solution to the ill-fitting FOG bars. This should be indicated as a follow on item, at least until there is a replacement schedule in place. D. Clugston indicated he would try to

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8. The Dalles 1” grating installation. ¾” lamprey criteria grating is being looked at by Engineering. They are evaluating new materials, shapes, etc. The question for TDA- does the grating need to be replaced now or could it wait until after Engineering as finished their evaluation? **RESULT: FPOM says it is ok to install the 1” galvanized grating in high priority areas, otherwise wait until the engineering evaluation is complete and FPOM has made a decision.**
9. The use of galvanized steel in fishways. Should we do it? A two month outage is scheduled for the east ladder for grating installation. The grating has been on the deck for about a year. G. Fredricks is concerned about avoidance behaviour as very low levels of detection. His literature review indicates some salmonids demonstrate an avoidance at .5ppm. In the past, the generally accepted protocol was that if water was flowing, then galvanized steel would be ok, but if it was standing water, the galvanized steel would be lethal. He asked if anyone knew the leaching rate of zinc. **ACTION:** Corps to find the leaching rate of zinc. **ACTION:** G. Fredricks also indicated he had a memo written. He would send that to B. Klatte and T. Mackey for FPOM distribution. This item will be on the November FPOM agenda.
10. The Dalles Stub weir removal. B. Cordie provided a photo of the stub weirs. He indicated that TDA Fisheries often found lamprey in this area. The Project would like to remove the weirs as part of the lamprey improvement and velocity improvement project. **ACTION:** Find out why the stub weirs are there. No one seems to know why, though it is speculated they are there to make sure the bulkhead sill stays clear. **RESULT: FPOM says the stub weirs may be removed if the hydraulic data show it is ok.** This item will be on the November agenda.
11. CRITFC plan to test video at JMF sample flume. J. McCann explained this video test is really a feasibility study to see if fish can be enumerated and identified without handling them. J. Fryer described the proposal. G. Fredricks asked about returning the flume to it’s original condition. J. Fryer indicated that the NOAA Pasco folks (Jim Simonson) would be doing the flume work. There should be no changes in the operation of the flume, expect for possible addition of lights during sample hours. This is for clarity on the video. **RESULT: FPOM says okay to the study.** G. Fredricks would like to see any additional lights turned off when not video-taping or when not needed.
12. NWP dewatering schedules. No comments were made.
13. FPP font. **RESULT: FPOM agreed the FPP font will be Times New Roman 12.**
14. FPP Comments. NWP will send comments to T. Mackey. She will include changes in the document in “track changes” format as well as keep the change forms updated. All of which will be sent to RCC for archiving. NWW will send comments to G. Moody.
15. FPOM calendar. No changes.
16. River Flow Forecast. S. Boyd reported that Dworshak is 120% of average. Updates may be found on the website.
17. Meeting adjourned at 1200. Next meeting is at 0900 on 8 November in the Summit Room at RDP. **Call in # 1-210-280-5877, passcode 1681330**

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18. The shad fishery task group will meet from 1300 until 1400 on 11 October. Minutes and handouts from that meeting will be sent to the task group members.
19. Finalized results from this meeting.
  - 19.1. NWW and NWP will send update information to the facilitator for inclusion with the agenda. For 2007/2008, items should be sent to B. Klatte and T. Mackey.
  - 19.2. **FPOM says move forward with the Bonneville spillway erosion repairs and keep this on the agenda.**
  - 19.3. Bonneville maintenance will install the FOG sea lion exclusion bars. They will remain in place until properly built bars are available for installation.
  - 19.4. **FPOM says it is ok to install the 1" galvanized grating in high priority areas, otherwise wait until the engineering evaluation is complete and FPOM has made a decision.**
  - 19.5. **FPOM says okay to the CRITFC video monitoring pilot study at Bonneville's JMF.**
  - 19.6. **FPOM agreed the FPP font will be Times New Roman 12.**
20. The following handouts were distributed:
  - 20.1. Agenda, Fish Passage O&M Coordination Team. Provided by B. Klatte.
  - 20.2. O & M report for Walla Walla projects. Provided by J. Bailey.
  - 20.3. O & M report for The Dalles/John Day projects. Provided by B. Cordie.
  - 20.4. O & M report for Bonneville Dam. Provided by B. Hausmann.
  - 20.5. Test plan for JDA South fishway entrances and FOGs. Provided by B. Cordie.
  - 20.6. Gull activity and pikeminnow information. Provided by B. Cordie.
  - 20.7. MFR- new ¾" lamprey grating recommendations. Provided by N. Richards.
  - 20.8. Photo of stub weirs. Provided by B. Cordie.
  - 20.9. CRITFC video monitoring proposal. Provided by J. Fryer.