Fish Passage Operation and Maintenance (FPOM) Team meeting

Potluck following the meeting

13 July 2017 9:00-14:00

Auditorium, Bonneville Dam

Conference line: 888-675-2535 **Access/Security code: 4849586**

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

1. **Approve June Meeting Minutes (Mackey)**
2. **Action Items**
   1. **NWW**
      1. **[Jun 17] Court ordered early start-up of by-pass facilities -** ACTION: Next month Setter will update on NWW’s ability to perform this request for 2018.
      2. **[Jun 17] Court ordered early start-up of by-pass facilities** - ACTION: Lorz will take the issue to FPAC and do a small write-up that will then be shared to the FPOM group.
      3. **[May 17] 17IHR02 Powerhouse flooding at high tailwater -** ACTION: Peery will talk to Ken Fone to see if some of the AWS pumps can be turned off instead of all of them.
   2. **NWP**
      1. **[Jun 17] BON Debris loading on the fish units -** ACTION: Hausmann will write an MOC. FPOM recommends raising all gates to 8’ rather than shut an entrance to maintain criteria and doing the work in the afternoon.
      2. **[Jun 17] 17BON11 MOC T11 Outage for B2 Roof Repair -** ACTION: Hausmann will ask about shifting the outage until September and provide an MOC.
      3. **[Jun 17] B2FGE** *-* ACTION: Rerecich will follow up to see if the B2CC outage could overlap with the complete PH2 outage.
      4. **[May 17] 17BON10 MFR MU3 Juvenile salmonid morts -** ACTION: Hausmann will add the preventative measure to the unit dewatering plans. ***Status: Completed but need to send to Kovalchuk.***
   3. **Completed Action Items or to be discussed later in the agenda**
      1. **[May 17] 17LWG008 - U1, U2 Priority -** ACTION: Setter will follow up on the status of unit 2 returning to Kaplan for the next FPOM. ***Status: It is estimated to take 2 years to return to Kaplan. The unit is currently operating in the fixed blade position. It would take a week or two to change the angle of the blade.***
      2. **[May 17] Avian Update – BON -** ACTION: Hausmann will talk to USDA about hazing protocols. ***Status: Hausmann discussed this issue with the USDA supervisor. Their policy is haze either species. The particular employee may be new and not trained in all aspects of the job.***
      3. **[May 17] TDA picketed leads -** ACTION: Cordie will review the language in the FPP and decide if a change form is needed. ***Status: Completed, no change form is required.***
      4. **[May 17] 17JDA07 MFR MU12 Juvenile salmonid morts -** ACTION: Zyndol will update the MFR with more details and timeline. ***Status: Completed.***
      5. **[Jun 17] BON adult fish in tail log slots**- ACTION: Hausmann will coordinate with BPA and the operators so that if a unit will be turned off then they can choose one that has fish in it. ***Status: see agenda item 3.2.3***
      6. **[Jun17] Court ordered early start-up of by-pass facilities -** ACTION: JDA will provide cost estimates and any issues that may affect their ability to get screens in by March 1 for the next FPOM. ***Status: see agenda item 3.2.4***
      7. **[May 17] 17JDA07 MFR MU12 Juvenile salmonid morts -** ACTION: Zyndol will make changes to the dewatering procedure based on the discussion. ***Status: Completed. Zyndol will send to Kovalchuk for posting and dissemination to the group.***
      8. **[May 17] 17JDA06 MOC JDA-Spill bay 20\_Restriction -** ACTION: Cordie will check on the pendants used at TDA to see if they could be used at JDA. ***Status: Cordie found the pendants and sent the information to JDA but it is unclear if they would work. ACTION: Cordie and Zyndol will follow up on if they are in useable condition and if they could even be used in the spill gate slots. Status: see agenda item 3.2.5***
3. **Updates**
   1. **NWW**
      1. Upcoming maintenance/construction/research activities.
         1. FPOM outages schedule
      2. Court ordered early start-up of by-pass facilities [Van Dyke, Hesse, Lorz]
      3. Debris
      4. MCN FP2 (Johnson, Peery)
   2. **NWP**
      1. Upcoming maintenance/construction/research activities.
         1. BON orifice rehab (17BON12)
         2. BON B-branch survey and spillway survey
         3. BON removal of PH1 diffusers
         4. BON roof repair.
         5. B2FGE equipment repair (17BON26)
         6. TDA Rail Removal (17TDA17)
         7. TDA Hydro-survey
         8. Fish Lock Bulkheads
      2. Forebay Temp profiles (Lundell)
      3. BON adult fish in PH1 tail log slots.
      4. JDA SMF Court ordered early start up.
      5. JDA Spill bay 20 – use of TDA pendants.
   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)
      1. **NWP FFDRWG**
      2. **NWW FFDRWG**
   4. **RCC update**

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| **Project** | **Previous day average (kcfs)** | **5 day forecast average (kcfs)** | **10 day forecast average (kcfs)** | **Projected Low/Peak (kcfs) and date.** |
| **LWG** |  |  |  |  |
| **MCN** |  |  |  |  |
| **BON** |  |  |  |  |

**Table 1. RCC flow forecast**

* 1. **BPA update**
  2. **Fish Count Program**
  3. **Next 5-year adult fish counting contract**
  4. **Transport Program (Hockersmith)**
  5. **Pinniped update**
  6. **Lamprey update**
  7. **Avian update**
     1. **BON (Hausmann)**
     2. **TDA (Cordie)**
     3. **JDA (Zyndol)**
     4. **MCN** 
        1. **Pelican hazing (Peery, Johnson)**

1. **FPOM Charter Review**
2. **Coordination/Notification forms (need concurrence/discussion)**
   1. **17LWG09-13 MFR Emergency Debris Spill**
   2. **17LGS10 MFR emergency Debris Spill**
   3. **17LGS11 MFR Primary By-pass**
   4. **17LGS12 MOC TSW Crest Height**
   5. **17LMN06 MFR Emergency Debris Spill**
   6. **17IHR07 MFR South Shore AWS pumps outage**
   7. **17IHR08&09 MFR Emergency Spill Debris**
   8. **17IHR10 MFR Fish mortalities from plugged orifices**
   9. **17IHR12 MOC Surge Arrestor**
   10. **17IHR13 MOC Turbine units 1&2**
   11. **17MCN06 MOC Fish pump 2 testing**
   12. **17 MCN 08 MFR Unit Priority Change**
   13. **17 MCN 09 MFR Emergency debris spill**
   14. **17MCN11 MFR Delay in TSW closure**
   15. **17MCN12 MFR Emergency Debris** **Spill**
   16. **17TDA18 MOC Rail tailrace Nov nights**
   17. **17TDA19 MOC AWS concrete dive**
   18. **17TDA20 MOC AWS October Start**
   19. **17BON16 MFR WA AWS LPS MODS**
   20. **17BON17 MFR Mortalities in PH1 tail log slots**
   21. **17BON18/19 MFR PL morts**
   22. **17BON20 MOC T11 Outage for B2 Roof Repair**
   23. **17BON21 MFR AFF SOC mort**
   24. **17BON22-25 MFR PL morts**
   25. **17BON26 MOC B2CC closure for B2FGE repair**
   26. **17BON27 MFR unit 6 priority**
   27. **17BON28-30 MFR PL Morts**
   28. **17BON31 MFR AFF SOC mort**
   29. **17BON32-47 MFR PL morts**
3. **Fish Passage Plan:** The Current 2017 FPP and Change Forms are online at <http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2017/>.

**6.1** Pending FPP Change Forms.

* + 1. 17JDA005 - Turbine Dewatering Gatewell Dipping. Revised 5/18 per FPOM feedback.
    2. 17LWG008 – U1, U2 Priority. Revised 5/18 per FPOM feedback. Will be discussed at July FPOM after U2 index testing is completed.
    3. 17OVE003 – FPOM Coordination. (Mackey)
    4. 17DWR001 – New Project Section. (Setter)
  1. New FPP Change Forms
     1. 17LGS007 – Position of Operating Gates
     2. 18AppD001 – Cooling Water Strainer Inspections

1. **Task Group Updates.**
   1. BON minimum spill to maintain good B2CC egress. (Fredricks and Lorz). Team: Bettin, Ebner, Hausmann, Kovalchuk, Rerecich, Wright. Date for test selected?