Fish Passage Operation and Maintenance (FPOM) Team meeting

13 November 2014 0900-1500

CRITFC offices.

700 NE Multnomah St., Suite. 1200

Portland, Oregon 97232

Followed by the noise/vibration task group meeting

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 October FPOM minutes.** (Setter)
2. **Action Items**
   1. NWW Action Items.
      1. LMN PLC programming (Moody)
      2. LWG and LMN Unit 1 return to Kaplan schedule
   2. NWP Action Items.
      1. [Oct 14] TDA Avian Hazing. **ACTION:** Mackey and Cordie will collect the information for what hazing occurred in 2010 – 2012. ***STATUS:*** *Cordie sent the following information on 14 October:*

*2010 - 8 hour shore hazing from May1-July31. Might have borrowed the boat from JDA early in the season.*

*2011 - 16 hour boat hazing from May1-July31.*

*2012 - 16 hour boat hazing from May1-July31. Extended to August7 due to bird numbers.*

*Present - 14 hour shore hazing from Apr16-July31*

*Some other info;*

*-Minimal boat hazing when shared with JDA. Usually only the first week or 2 when birds were higher at TDA than JDA.*

*-2011 high flow year credited for decreased predation and high survival*

*-2010 steelhead survival substantially lower than 2011*

*-2011 was first year with improved avian lines*

*-2010 FFU estimated mid 80K juv salmonids consumed*

*-2011 FFU estimated 16K juv salmonids consumed*

* + 1. [Oct 14] BON ITS gate installation. The repairs are expected to be completed in November. The Project needs about three weeks to install. Proposed dates are 10 - 27 November. **FPOM concurred. ACTION:** This will be included in an MOC to fully document the action.
    2. [Oct 14] **15BON002 –** Turbine Start-up Operation. Fredricks said this should be included in the Load Shaping Guidelines. **ACTION:** Royer will find out more about the speed no load operation and if the Load Shaping Guidelines cover the 60 minutes.
    3. [Oct 14] TDA split flows. (Cordie) Team members include: Bettin, Cordie, Fredricks, Klatte, Lorz, Mackey, Rerecich, Stansell, Wills. Conference call on 3 September. **ACTION:** Need to schedule a meeting to discuss results and plan forward.
  1. Completed Action Items or to be discussed later in the agenda.
     1. [Oct 14] MCN screen cleaning. **ACTION:** Dugger will provide more information (background, issues, proposed path forward) at the November FPOM meeting. ***STATUS:*** *Discussed later in the agenda.*
     2. [Oct 14] FGE testing. FFDRWG meeting to be scheduled in late October to discuss the EDR supplement. Rerecich said there is no room available at NWP on 21 October. **ACTION:** Rerecich will send a doodle poll with a new date or he will find a room at another agency. ***STATUS: NWP FFDRWG occurred on 27 October.***
     3. [Oct 14] Fish counts. Clipped v unclipped. **ACTION:** FFU will write up the issue for the Regional reps to review, it will include 2013 if problems were found in those counts as well. They will also add a note to the fish count web page. ***STATUS:*** *Discussed later in the agenda.*

1. **Updates** 
   1. NWW Updates.
      1. Upcoming maintenance/construction/research activities. Includes already coordinated MOCs.
         1. NWW Winter Maintenance schedule
         2. 14MCN27 JBS to bypass due to cold weather
         3. 14LWG19
         4. 14LWG21 JBS to bypass due to cold weather
   2. NWP Updates
      1. Upcoming maintenance/construction/research activities. Includes already coordinated MOCs.
         1. NWP winter maintenance schedules.
         2. 14BON08 BI Bridge overlay. Began night work on 3 November.
         3. 14BON13 and revised 14BON59 T11 and T12 outages.
         4. 14BON21 FV3-7 inspection in November.
      2. BON Unit 11 update.
      3. USFWS fish health report.
      4. WFL gate operation.
      5. JDA-N AWS fish pump testing.
   3. Research/FFDRWG updates. Approval letters, permits, etc located at [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. (Rerecich)
      2. B2CC. (Mackey)
      3. CRITFC AFF PIT tag detector. (Fryer)
   4. RCC update.

**Table 1. RCC flow forecast.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project** | **Previous day average (kcfs)** | **5 day forecast average (kcfs)** | **10 day forecast average (kcfs)** |
| **LWG** |  |  |  |
| **MCN** |  |  |  |
| **BON** |  |  |  |

* 1. Lamprey updates.
  2. Avian.
  3. Critical Infrastructure information was put out on FPOM website.
  4. BPA updates.

1. **Coordination/Notification forms (need concurrence).** 
   1. **14 IHR10** Unit 3 Blade Welding to reduce oil discharge
   2. **14LWG20** Unit 3 NERC-WECC exciter testing
2. **Wasco PUD TDA-N attraction flow study.** (Gilmore and Conger)
3. **15 mile creek data. (**Faber)
4. **Fish counts.**
   1. **Clipped v unclipped discrepancies.** (FFU)
   2. **Fish counting after October.**  (Fredricks)
   3. **TDA-N fish count improvements.** (Cordie/Dalen)
5. **MCN screen cleaning.** (Dugger)
6. **Fish Passage Plan:** The 2015 FPP draft sections and change forms are online at: [http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2015/index.html](http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2014/changes/index.html).
   1. 1 November – NWP and NWW change forms are due.
   2. 15 December – Regional change forms are due.
   3. Appendix A – include when/where each item had been coordinated. NWP has used Appendix A for research and construction. NWW uses Appendix A for maintenance. Appendix A utility was discussed. NWW will review their use of Appendix A.
   4. Change forms - 2015:
      1. **15BON002 –** Turbine Start-up Operation. Fredricks said this should be included in the Load Shaping Guidelines. **ACTION:** Royer will find out more about the speed no load operation and if the Load Shaping Guidelines cover the 60 minutes.
      2. **15BON003 –** DSM Orifice Control Table BON-7. Fredricks said the orifice openings are directly tied to the forebay.
      3. **15BON005 –** B-Branch Entrance Gates.
      4. **15BON006** – PH2 Mid-Range Operation Dates
      5. **15TDA001** – Table TDA-4 Unit Priority
      6. **15TDA002** – Removable Weirs #154-157
      7. **15TDA003 –** Fish Lock
      8. **15MCN002** – Work Near Fishway.
      9. **15MCN003** – Spill Patterns at Higher Flows
      10. **15IHR001** – Work Near Fishway.
      11. **15IHR003** – Turbine Unit Operation
      12. **15IHR004** – STS Operation
      13. **15IHR005** – Backflush Orifices
      14. **15LMN001** – Work Near Fishway.
      15. **15LMN003** – STS Operation
      16. **15LGS003** – Work Near Fishway.
      17. **15LWG001** – Work Near Fishway.
      18. **15AppG001** – BON AFF picket leads
      19. **15AppL001** – Avian Monitoring & Deterrence Plans ***Updated and available on the FPP website.***
   5. Potential FPP change forms.
      1. BON split flows. Additional trigger to operate more units at PH1.
      2. BON AFF pickets. Additional triggers when fish numbers are high and reducing the number of leads allowed. Assigned to the AFF mods TG.
      3. NWW transport projects. 2013 operation for columnaris needs to be included in FPP.
      4. Overview. Getting MFRs covered in the FPP.
      5. Speed no load definition and time spent at speed no load.
      6. Appendix C Load Shaping Guidelines. Needs to be updated.
7. **Task Group Updates.** 
   1. Noise impacts task group. (Setter and Conder). Team members include: Conder, Cordie, Fredricks, Hevlin, Lorz, Mackey, Setter, and others as needed. **Meeting scheduled for after the November FPOM.**
   2. Pinniped Task Group. (van der Leeuw). Memo was sent to FPOM regarding the pinniped monitoring and hazing activities.
   3. TDA split flows. (Cordie) Team members include: Bettin, Cordie, Fredricks, Klatte, Lorz, Mackey, Rerecich, Stansell, Wills. Conference call on 3 September. Need to meet to discuss results and plan forward.
   4. BON Ops. (Lorz) Team members include: Benner, Bettin, Fredricks, Hausmann, Lut, Mackey, Meyer, Rerecich, Stansell, Wills. **Met on 25 June.**
   5. AFF mods (Rerecich). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, Stephenson, and Whiteaker. Appendix G will be modified to reflect the recommended raking level and the recommended water elevation.