

AGENDA

Fish Passage O&M Coordination (FPOM) Team
Pacific States Marine Fisheries Commission Conference Room
(directions attached to the agenda)
205 Spokane Street, Portland OR
November 13th (0900-1630)

1. Review/Approve Agenda and October Minutes (Klatte)
2. Action Items
 - 2.1. [long time ago] BON PH1 Grizzlies. **ACTION:** Hausmann will investigate options for modifying the PH1 draft tube drains. **STATUS:** *instead of a larger shroud, the Project wants to look at chipping out more concrete to make drain larger to decrease velocity and suction on the drain. It was suggested the open area be maximized. There was some suggestion that the flow could be controlled.*
 - 2.2. [long time ago] Switchgate seals at BON and JDA. **ACTION:** JDA will move forward with the airbladder seals. NOAA worries about fish being able to access areas under the gate. BON will continue moving forward with reducing leakage around and under the gate. **STATUS:** *JDA has turned the task over to the Small Projects team at RDP. Mike Adams is the POC. Project engineer, Dave MacIntosh, will be engaged in the project as well.*
 - 2.3. [Sep 08] FPOM coordination. **ACTION:** Klatte will talk with Langeslay about coordination and coordination documentation.
 - 2.4. [Sep 08] Pinniped task group. **ACTION:** Lorz to send Bettin information about hazing.
 - 2.5. [Sep 08] WDFW jack size memo. **ACTION:** Richards will send a copy of the memo to FPOM when he sends it to LeFleur.
 - 2.6. [Sep 03] SMP protocols. **ACTION:** Dykstra will mesh the FPP language so FPC and USACE protocols are more closely aligned.
 - 2.7. [Oct 08] Blanket approval for certain maintenance issues. **ACTION:** FPOM will develop limitations to include in the 2009 FPP. Klatte will take the lead to develop acceptable criteria.
 - 2.8. [Oct 08] LGS orifice back-flushing. **ACTION:** Moody will contact Hevlin to set up a date.
 - 2.9. [Oct 08] IHR ITS water pump. **ACTION:** Bailey will provide more details to FPOM. He will include the material the pump line will be made of and how the pumping will occur.
 - 2.10. [Sep 08] TIES task group. **ACTION:** Klatte to set up a meeting to discuss the data. **STATUS:** *to meet after November FPOM meeting.*
 - 2.11. [Sep 08] WDFW fish viewing window light request. **ACTION:** Stephenson will inquire further as to the need for extra lights, then let Mackey know if further coordination is needed. **STATUS:** *to be discussed under item #5.*
 - 2.12. [Oct 08] BON B2CC repairs. The District will inspect and draft recommendations for repairs. **ACTION:** Schwartz will get the report by next FPOM. **STATUS:** *agenda item #4*
 - 2.13. [Sep 08] JDA smolt monitoring. **ACTION:** FPAC will provide a recommendation on Cordie's rationale. **STATUS:** *to be discussed under agenda item #7.*
3. Updates. (Klatte/Dykstra)
 - 3.1. Galvanized grates- water sample update.
 - 3.2. BON FOG lifting beam.
 - 3.3. BON PH1 STS removal- 1 December.
 - 3.4. BON emergency spill response plan. FPOM may provide comments or suggestions to include on the response plan.
 - 3.5. TDA ITS update.
4. B2CC inspection report. (Lee/ Schwartz)
5. WDFW fish count window lighting. (Stephenson)

6. **CRITFC's review of PIT tag data for travel time from the AFF to BO3.** (Lorz)
7. **JDA STS inspection schedule/ screen removal.** (Cordie/Zyndol) The screens are scheduled to be inspected at the end of November. The Project would like to forgo the inspection since the screens will be pulled two weeks later, there have been no issues with the screens the last couple of inspections and debris loading is non-existent.
8. **JDA smolt monitoring.** FPAC recommendation for JDA smolt monitoring. (McCann/ Cordie)
9. **Kaplan study update.** (Fredricks/Wittinger)
10. **WDFW update of the jack size.** (Richards)
11. **MCN dewatering screen monitoring.** (Swenson)
12. **Screen removal during peak juvenile lamprey, especially at MCN.** (Clugston) If not discussed in November, plan for December discussion.
13. **LGS orifice backflushing.** (Hevlin)
14. **BPA-TBL transmission line coordination.** (Bettin) Need proper chain of coordination established.
15. **Discussion of passage times at JDA and TDA.** (Zyndol) This discussion is to better clarify the time of day fish tend to enter the fishways. TDA/JDA Fisheries have graphs that show fish numbers passing the count station and the time of day. They would like clarification so future outage requests could be planned at a more appropriate time of day.
16. **Task Group updates**
 - 16.1. Fishway velocity (*Chair-Cordie, Fredricks, Lorz, Meyer, Mackey*). **To meet after December FPOM.**
 - 16.2. Lamprey (*Chair-Cordie, Clugston, Dykstra, Lorz, Mackey, Meyer, Moody, Moser, Peery, Rerecich, Zyndol*)
 - 16.3. PH2 VBSs (*Chair- Hausmann, Benner, Fredricks, Klatte, Lorz, Mackey, Meyer, Wills*).
 - 16.4. Pinnipeds (*Chair-Stansell, Bettin, Benner, Brown, Fredricks, Hausmann, Kruger, Stephenson, Richards, Wills*)
 - 16.5. TIES (*Chair-Klatte, Bettin, Benner, Fredricks, Kruger, Mackey, Schwartz, Wills*). **To meet after December FPOM.**
 - 16.6. Water Quality (*Chair- Klatte*)
 - 16.7. SMP condition metrics. **Meeting immediately after FPOM and on 14 November.**
17. **FPP proposed changes.**
 - 17.1. BON sturgeon language. (incorporates changes from May 2008 mtg)
 - 17.2. BON 2.4.2.2.n.1 relocation.
 - 17.3. TDA and JDA velocity measurement language.
 - 17.4. Appendix G- BON protocols for holding lamprey.
 - 17.5. BON shad passage mode criteria.
 - 17.6. Appendix G- BON valve numbering correction.
 - 17.7. BON 2.1.2- include preference for mid to upper 1% turbine operations during split flows.
 - 17.8. Table BON-11- include split flow unit priority row to the table.
 - 17.9. BON 1.2.1.1, BON 2.4.1.2.f, BON 2.5.3.f, BON 2.5.3.f.1- change date of PH1 fish screen installation.
 - 17.10. JDA 2.5.1.2.b.1- remove language.
 - 17.11. OV 1.10.2.1 FPOM Coordination- include reference and a copy of the Coordination Form.

18. Other

19. Next Meeting-

FPP Change Forms

Change Request Number:

Date: April 16, 2008

Proposed by: Bonneville Project

Location of Change- BON 5.4.6-5.4.7 and BON 6.5.1-6.5.2 (sections re-numbered as required)

Proposed Change:

5.4.6. *From 1 December through 30 April, non-priority turbine units will not be voluntarily scheduled for extended outages. Priority units are 1, 10, 11, and 18.*

5.4.7. *From 1 December through 30 April, turbines which have been idle/out of service for more than 12 hours will be started by slow rolling the unit after manually tipping turbine blades from flat to steep back to flat.*

After including the two sections above as 6.5.1 and 6.5.2-

The current 6.5.2 will be re-numbered to 6.5.4. Add "*bottom tail logs should be placed first.*"

The current 6.5.3 will be re-numbered to 6.5.5. Add "*It is recommended adjacent units be operated to flush fish prior to placing tail logs in the unit to be OOS. It is also recommended that units located adjacent to OOS units not be voluntarily taken out of service until the adjacent units return to service.*"

Reason for Change: To better protect sturgeon in the draft tube and turbine environment.

Comments from others: FPOM doesn't want priority units OOS during fish passage season.

Change Request Number:

Date: 6/4/2008

Proposed by: Project Fisheries

Location of Change: BON-18 2.4.2.2.n.1

Proposed Change: 2.4.2.2.n.1 says "coordinate gatewell cleaning with smolt monitoring personnel operating the downstream juvenile sampling facilities". It should be moved to 2.4.2.2.m.3, which is the section on what to do when cleaning gatewells.

Reason for Change:

2.4.2.2.n.1 is in the wrong location.

Change Request Number:

Date: 5/27/2008

Proposed by: The Dalles John Day Project

Location of Change- TDA 2.5.1.2.4 and JDA 2.5.1.2.a.4

Proposed Change: Omit from TD- 'Water velocities will be measured at one location directly and monitored during fishway inspections to verify channels are operating within velocity criteria'.

Add to TD and JD – 'Water velocities will be monitored weekly as part of the fishway inspection program. Project biologists will determine method. Results will be provided in weekly status reports. (JD did not have the same wording as TD)

Reason for Change: Discussion and resolution determined through FPOM velocity task group

Change Request Number:

Date: 7/22/2008

Proposed by: Jon Rerecich

Location of Change- Appendix G BON AFF trapping protocols 2.3.

Anytime lamprey are held overnight in the AFF, researchers will notify Project Fisheries and the Control Room.

Proposed Change: Restrict holding times for lamprey to 48 hours.

Lamprey may be held up to 48 hours in the AFF. Researchers will notify Project Fisheries and the Control Room whenever lamprey are held.

Reason for Change: To minimize holding lamprey too long. In 2008 there was a mortality due to holding over a weekend.

Change Request Number:

Date:8/6/08

Proposed by: BON Project Fisheries

Location of Change: BON Section 2.5.1.2.a

Maintain the water depth over fish ladder weirs at 1' +/- 0.1' during non-shad passage season (August 16 through May 14) and 1.3' +/- 0.1' during the shad passage season (May 15 through August 15).

Proposed Change: Remove the dates and adjust to shad passage mode based on the numbers of shad passing.

Maintain the water depth over fish ladder weirs at 1' +/- 0.1' during non-shad passage season (<5,000 shad per day/per ladder) and 1.3' +/- 0.1' during the shad passage season (> or = to 5,000 shad per day/per ladder).

Reason for Change: It makes more sense to base shad passage mode on shad numbers passing. It also makes BON criteria consistent with TDA shad criteria.

Comments from others: Adding *per ladder* keeps the language consistent with TDA and doesn't unnecessarily limit operations for only 5000 shad passing the entire Project.

Change Request Number:

Date: 091108

Proposed by: Bonneville Project Fisheries

Location of Change Appendix G section 1.12

Proposed Change: App. G section 1.12 currently reads: "Users will be permitted to operate valves 10 and 11" but it should read "Users will be permitted to operate valves 9 and 10"

Reason for Change: Corrects erroneous valve info.

Change Request Number:

Date: 9/11/08

Proposed by: FPOM

Location of Change: BON 2.1.2

Proposed Change: Include, at the end of the paragraph, "*Turbine units should be operated at the mid or upper 1% range whenever possible, during the split flows operation.*"

Reason for Change: Without this guidance, the Control Room will allow GDACS to run the units, which may result in some units operating at the lower end of the 1% band.

Change Request Number:

Date: 9/11/2008

Proposed by: FPOM

Location of Change: Table BON-11

Proposed Change: Include a row for unit priority, by powerhouse, when splitting flows.

Table BON-11. Turbine unit operating priorities, Bonneville Powerhouses One and Two.

PERIOD	PRIORITY
Year-round; adult fish ladders are in service	11,18,15,12,17,14,13,16, 3,1,4,6,2,5,7,10,9,8
First Powerhouse Adult Fish Ladder out of service	11,18,15,12,17,14,13,16, 3,1,4,6,2,5,7,10,9,8
Second Powerhouse Adult Fish Ladder out of service	3,1,4,6,2,5,7,10,9,8 11,18,15,12,17,14,13,16
<i>Priority for each powerhouse when flows are split due to fish numbers.</i>	<i>PH1- 3,1,4,6,2,5,7,10,9,8 PH2- 11,18,15,12,17,14,13,16</i>

Reason for Change: This clearly lays out the priority for each powerhouse when flows are split.

Change Request Number:

Date: 9/11/08

Proposed by: FPOM

Location of Change: BON 1.2.1.1 , BON 2.4.1.2.f, BON 2.5.3.f, and BON 2.5.3.f.1

Proposed Change: To include language that states the PH1 fish screens would be installed as soon as possible, after spill ends.

BON 1.2.1.1- “The downstream migration channel (DSM) is also used for adult passage from September 15 through December 15.” **to**

BON 1.2.1.1- “The downstream migration channel (DSM) is also used for adult passage from *early September, as soon as fish screens are installed*, through December 15.”

BON 2.4.1.2.f- “All gatewell orifices should be opened and DSM1 ran south from September 15 through December 15.” **to**

BON 2.4.1.2.f- “All gatewell orifices should be opened and the DSM1 ran south from *early September, as soon as fish screens are installed*, through December 15.”

BON 2.5.3.f- “STs and VBSs will be installed in two PH1 priority units on September 15.” **to**

BON 2.5.3.f- “STs and VBSs will be installed in two PH1 priority units *as soon as possible after spill ends.*”

BON 2.5.3.f.1- “The Powerhouse One DSM will be watered up on September 15, with water flow to the south.” **to**

BON 2.5.3.f.1- The Powerhouse One DSM will be watered up *as soon as screens are installed*, with water flow to the south.”

Reason for Change: This change provides for getting the fish screens installed and providing adult fallback protection earlier in September. This will also provide protection for when flows are split prior to September 15th.

Change Request Number:

Date: 8/13/2008

Proposed by: JDA Project Fisheries

Location of Change- JDA 2.5.1.2.b.1

Proposed Change: Remove the following language “Testing will be conducted to determine if the use of one entrance at greater than 8’ depth allows better passage conditions. (Study plan will be developed through the AFEP Studies Review Work Group.)”

Reason for Change:

Remnant information from previous years FPPs. Decision was made through FPOM to operate 1 entrance weir at >8’

Change Request Number:

Date: 10/31/2008

Proposed by: FPOM

Location of Change: Overview 1.10.2.1 FPOM Coordination

Proposed Change: Add wording to include the use of the Coordination Form. Insert a copy of the Coordination Form.






“The District biologist will then provide essential information to the fish agencies, tribes, and other affected interests as appropriate, preferably by *the use of the Coordiantion Form (below), and, if necessary*, by telephone call with an e-mail follow-up. Information for planned activities should be provided at least two weeks in advance to FPOM representatives for review. For unanticipated but non-emergency activities such as equipment failures, information should be provided at least three workdays in advance. Emergency coordination may be performed immediately prior to or subsequent to the required action (see section 1.2). Information provided to affected interests will include a summary of the problem, location, date and time, analyses of potential impacts to salmon stocks, and potential alternative actions. The affected interests should in turn respond *by email, in person, or by phone. The response will be documented on the Coordination Form, sent to FPOM and filed for future reference.* A District biologist will forward the decision to project personnel, and in some cases, RCC will issue a teletype to the project for approved activities.”

Reason for Change: To provide a Coordination Form for interested parties and to formalize the use of the form for coordination issues.





October 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 TDA PUD bridge demo	2	3	4
5	6 TDA U20 dewater- TDA-E AWS OOS for two hours. JDA TSW FFDRWG	7	8 BON FGE FFDRWG	9 FPOM Meeting NWP dewatering schedules due. Happy Birthday	10	11
12	13	14	15 BON BI transformer pad work (1800)	16 Happy Birthday	17	18
19 JDA T-1 line OOS Happy Birthday	20 BON BGS dive JDA T-1 line OOS	21 BON BGS dive JDA T-1 line OOS	22 AFEP proposals sent. JDA T-1 line OOS	23 MCN fish pump dive JDA T-1 line OOS	24 MCN fish pump dive TDA MU3&4 priority change until 15 December.	25 MCN fish pump dive
26	27	28	29	30 NWP FFDRWG	31 Normal Adult Fish Counting Ends Most Dams BON JMF to bypass	

November 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30						1 BON ITS mods begin
2	3	4	5	6	7	8
9	10	11 Veteran's Day	12	13 FPOM Meeting SMP metric meeting draft FPP input due	14 SMP metric meeting AFEP proposal review- NWW	15
16	17 ERDC model trip- JDA & MCN	18 ERDC model trip- JDA & MCN Happy Birthday	19 ERDC model trip- JDA & MCN	20 ERDC model trip- JDA & MCN	21 ERDC model trip- JDA & MCN	22
23	24	25	26	27 Happy Thanksgiving	28 Draft FPP Due in NWD	29

December 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 BON BI to orifice flow BON F1 OOS	2 TDA-E dewater Chum Workshop	3 JDA-N dewater BON BI dewater	4 JDA-N ent dewater	5	6
7	8 AFEP Research review- NWP	9 AFEP Research review- NWP	10 AFEP Research review- NWP	11 AFEP Research review- NWP FPOM	12	13
14	15 Adult fish counting ends LWG. STS removal begins	16	17 JDA SMF dewater	18 BON DSM2 dewater	19	20
21 Happy Hanukkah	22	23	24	25 Merry Christmas	26 Happy Kwanzaa	27
28	29 BON AFF orifice flow BON two-mile pipe	30	31			

Directions to PSMFC

FROM PDX AIRPORT

- Follow NE AIRPORT WAY toward PORTLAND/SALEM
- Take I-205 SOUTH/PORTLAND(I-84) exit
- Take the I-84 WEST/US-30 WEST exit towards PORTLAND, exit #21B
- Take the I-5 SOUTH towards BEAVERTON/SALEM
- Take the I-5 SOUTH exit towards BEAVERTON/SALEM
- Take the LAKE OSWEGO(OR-43) exit, exit #299A
- Continue on SW HOOD AVE towards LAKE OSWEGO
- Bear RIGHT on SW MACADAM AVE
- Turn LEFT on SELLWOOD BRG
- SELLWOOD BRG becomes SE TACOMA ST
- Turn LEFT on SE 6TH AVE
- Turn LEFT on SE SPOKANE ST
- Arrive at 205 SE SPOKANE ST, PORTLAND

FROM I-5 NORTHBOUND (SALEM AREA)

- Take I-5 NORTH towards PORTLAND
- Take the TERWILLIGER BLVD. exit, exit #297
- Continue on ramp
- Turn on RIGHT SW TERWILLIGER BLVD
- Turn on LEFT SW TAYLORS FERRY RD
- Bear RIGHT on SW MACADAM AVE
- Turn LEFT on SELLWOOD BRG
- SELLWOOD BRG becomes SE TACOMA ST
- Turn LEFT on SE 6TH AVE
- Turn LEFT on SE SPOKANE ST
- Arrive at 205 SE SPOKANE ST

FROM I-5 SOUTHBOUND (VANCOUVER, WA AREA)

- Keep on I-5 Southbound after entering Oregon across the Columbia River
- At I-5 Exit 299A, turn off onto Ramp for 0.2 mi. towards OR-43/Lake Oswego
- Continue (South) on S.W. Hood Ave for 0.5 mi [Don't Get Back on I-5 here!]
- KEEP RIGHT (South) onto OR-43 [SW MacAdam Ave] for 2.0 mi
- Bear LEFT (South) off of MacAdam Ave onto Sellwood Bridge for 0.4 mi
- Once Across Sellwood Bridge continue on S.E. Tacoma ST. for only 130 yds
- Turn LEFT(once across bridge) onto S.E. 6th (first cross street) Ave for 80 yds
- Turn LEFT onto S.E. Spokane St. (first cross street) for 0.1 mi
- Arrive 205 S.E. Spokane St. [Building on right just across RR Tracks]

FROM I-205 NORTHBOUND (WEST LINN AREA)

- Take I-205 NORTH towards PORTLAND
- Take the OR-213/82ND. AVE./MILWAUKIE(OR-224) exit, exit #13
- Take the OR-224 WEST exit towards MILWUAKIE
- Continue toward MILWAUKIE
- Turn RIGHT on SE 17TH AVE
- Turn LEFT on SE SPOKANE ST
- Arrive at 205 SE SPOKANE ST

FROM I-205 SOUTHBOUND (EAST PORTLAND)

- Take I-205 SOUTH towards SALEM
- Take the DIVISION ST./POWELL BLVD./US-26 exit towards GRESHAM/MT. HOOD, exit #19
- Continue towards DIVISION ST./US-26 EAST/GRESHAM/MT. HOOD
- Turn RIGHT on SE POWELL BLVD
- Turn LEFT on SE MILWAUKIE AVE
- Turn RIGHT on SE 17TH AVE
- Turn RIGHT on SE SPOKANE ST
- Arrive at 205 SE SPOKANE ST