

AGENDA

Fish Passage O&M Coordination (FPOM) Team
Summit Room 10th floor RDP- Portland
May 8, 2008 (0900-1200)
Call in #503-808-5199, passcode is 2580

1. Review/Approve Agenda and Minutes (Klatte)
2. Action Items (Klatte)
 - 2.1.[Mar 08] 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.
 - 2.2.[Feb 08] BON B2CC closure. **ACTION:** Ops will put together a fact sheet for the March FPOM detailing the issues associated with closing the B2CC on 31 August as opposed to either 29 August or 2 September. **STATUS:** *To be discussed under item #3.2.*
 - 2.3.[Apr 08] BON sturgeon protocols. **ACTION:** Mackey and Hausmann will work with the Project to get unit start-up/dewatering protocols in writing and to FPOM for review. **STATUS:** *to be discussed under item 13.1.*
 - 2.4.[Mar 08] PIT tag detection needs at JDA. **ACTION:** FPC will query PTAGIS to see how many fish might go undetected with if the system is shutdown prior to Nov. 30. **STATUS:** *FPC completed the query. Benner will get a write-up to FPOM.*
 - 2.5.[Apr 08] B2CC end of season closure date. **ACTION:** Mackey will talk with Kruger to get his input. Benner agreed to provide historical fish numbers passing Bonneville on 29, 31 August and 2 September. **STATUS:** *Mackey notified Kruger about the need for a decision to be made in May.*
 - 2.6.[Apr 08] McNary dewatering screens write-up. **ACTION:** B. Eby and NWW bios will draft a letter to FPOM detailing the water elevation/dewatering screen monitoring system at McNary. They will provide a level of confidence in the existing system so FPOM will be assured there will not be another fish kill.
 - 2.7.[Apr 08] LGO fish jumping. **ACTION:** Cordie will send photos of their netting to Bailey. The NWW net installer will contact Cordie to discuss methods used at JDA
 - 2.8.[Apr 08] TDA grating replacement. **ACTION:** Klatte will contact N. Richards and Cordie to discuss options and what can be done within the next three years.
3. Updates. (Klatte)
 - 3.1. Pinnipeds at Bonneville. Reports are available at:
www.nwd-wc.usace.army.mil/tmt/documents/fish/2008/sea_lion_hazing2008.html
 - 3.2. B2CC closing date.
 - 3.3. Ice Harbor, Units 1-6, 1% Tables updated.
4. BON/NWW fish truck release site.
 - 4.1. On 5/6 Saybr flushed the piping for the SMF Truck Release site. After the test, Construction said SOP will be to close the isolation valve and drain the system between releases. Allowing the use of galvanized pipe in this fish release system creates many potential problems. The isolation valve is hard to access. The drain valve water could undermine the pump footing. If the isolation valve is closed when the pump is turned on the seal will be destroyed.
5. BON spillway closures.

- 5.1. Open bays 1, 2, 17 and 18 to flush debris. Couldn't do this action on 7 May due to potentially exceeding the gas cap.
- 5.2. Close bays 9, 12, 14 and throttle back on adjacent spillbays to allow BON maintenance access to the main dam gallery. One of the dewatering pumps is OOS. Personnel are ready to swap out the old pump and install a replacement pump, all in one day. They would like to do this work as soon as possible and have people ready to work on 9 May if approved.
6. TDA grating decision.
7. JDA fish turbine intake depth. Is there a depth at which fish screens are no longer needed? (Clugston/Schlenker)
8. Closing FOGs at ICH. (Dykstra)
9. LMN mortality incident on 22 April. (NWW e-mailed a MFR to FPOM).
10. High juvenile injury rates at LGS. (Dykstra)
11. Task Group updates
 - 11.1. Fishway velocity (*Chair-Cordie, Fredricks, Lorz, Meyer, Mackey*)
 - 11.2. Lamprey (*Chair-Cordie, Clugston, Dykstra, Lorz, Mackey, Meyer, Moody, Moser, Peery, Rerecich, Zyndol*)
 - 11.3. Pinnipeds (*Chair-Stansell, Bettin, Benner, Brown, Fredricks, Hausmann, Kruger, Stephenson, Richards, Wills*)
 - 11.4. Shad fishery (*Chair-Cordie, Benner, Fredricks, Lorz, Mackey, R.Dick Jr., Welch, Wills*)
 - 11.5. TIES (*Chair-Klatte, Bettin, Benner, Fredricks, Kruger, Mackey, Schwartz, Wills*)
12. Water forecast. (RCC). www.nwrfc.noaa.gov/water_supply/ws_fcst.cgi
 - 12.1. <http://www.nwd-wc.usace.army.mil/tmt/> What is the status of the FPOM documents link?
13. FPP proposed changes.
 - 13.1. BON sturgeon language.
 - 13.2. JDA turbine unit 5.
 - 13.3. JDA SMF PIT tag shutdown date.
 - 13.4. Voluntary v involuntary spill definitions.
14. Velocity task group meeting. (1230-1400)

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 December through April, turbine units will not be voluntarily scheduled for extended outages.*

5.4.7. *From December through 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.

Change Request Number:

Date: 4/24/08

Proposed by: John Day Project

Location of Change- JDA 5

Proposed Change:

Remove the requirement to run U5 as the first priority unit.

Table JDA-5. Turbine unit operating priority for John Day Dam.

Season	Time of Day	Unit Operating Priority
March 1 through November	24 hours/day	1-5 then 6-16 in any order.
December 1 through February	0600-2000 hrs	unpaired units in any order
	2000-0600 hrs	any unit

Reason for Change:

The Project does not need U5 for station service. They would like the flexibility to run other units instead. Egress conditions are not dependant on U5 being the first unit on, but rather egress is dependent on the operation of any of turbine units 1-5.

Change Request Number:

Date: 4/24/08

Proposed by: John Day Project

Location of Change- JDA 1.1.3

Proposed Change:

Change November 30, weather permitting to as close to November 15 as personnel and weather allows.

Reason for Change:

The Project is concerned about freezing temperatures and staffing. They will attempt to keep the facility operating for PIT tag interrogation for as long as possible but feel anything beyond 15 November is risky.

Fish Mortality at Lower Monumental Fish Facility

1. Description of the Incident

At 0745 hours on April 18, 2008, the day-shift corps biological science technician (“facility operator”) on duty reported that the juvenile fish in the tank (referred to as “midi-tanker holding tank”) outside the wet lab were dead. Upon investigation, biologists noticed that the supply water to the tank was turned off, resulting in stagnant water. The technician reported that this condition was as she found it. Dead fish were removed and recorded. These fish presumably died from lack of oxygen, as they did not have any external evidence of injuries or diseases that could explain their demise. Seven or 8 fish were still alive and swimming, were subsequently released to the river. A total of 463 fish mortalities were incurred. Fish mortalities by species groups are as follows:

- 9 unclipped steelhead
- 16 clipped steelhead
- 49 unclipped yearling chinook
- 182 unclipped yearling chinook with red left elastomere tag
- 20 clipped yearling chinook
- 186 clipped yearling chinook with red left elastomere tag
- 1 unclipped kokanee

The “midi-tanker” holding tank was engineered to hold fish during late season trucking operations. The fish held in this tank are offloaded to the truck for transport. The holding tank holds 318 gallons of water and has a water supply capability of 90 gallons per minute. Additional outlet piping from the holding tank to the river was added in early 2007 to accommodate the release of smolts by Oregon State University (OSU) and Real Time Research for the study of avian predation. For this study, steelhead are PIT-tagged, then held in the tank until evening or next-morning release to the river. The researchers have been requesting that we sample daily up to 500 fish of all species combined, as steelhead were making up less than 10% of the sample.

The fish in question were sampled for the OSU study and not for monitoring the condition of fish passing through the bypass facilities. Affected fish were collected from April 16 at 1500 hours to 0400 hours on April 17, and were examined from mid to late afternoon on April 17. All of the fish, including steelhead, chinook and kokanee, were held overnight in the holding tank until they were to be released at 0800 on April 18. Approximately 50 pounds of fish were in the tank.

The assistant fisheries biologist for the Corps (Ken Fone) gave verbal instructions to the facility operators during the preseason facility operator training period to check the tank every hour and ensure that water is flowing through it when fish are being held. He reiterated this point with written instructions in the facility operator log on April 6. OSU researcher employee Bradley Cramer reported that he checked both the supply valve and the release valve positions and that these valves were respectively opened at the proper setting, and closed in the proper position. The Washington Department of Fish and Wildlife (WDFW) technician who fills up the tank with water prior to sampling operations says that she made sure that the water was on before she went home following the completion of sampling activities on April 17. The night-shift facility operator, who worked from 1800 to 0600 hours, checked the tank before nightfall and observed that the water was flowing at that time. The night shift operator checked it again at

0250 hours and did not note any change in the condition. There is no documentation that the tank was checked again until 0745 hours on 18 April.






There was no logical reason to turn the valve off and the valve handle cannot be turned by accidentally bumping it. Most people require 2 hands to turn the valve and it is located behind handrails giving it a high level of physical protection. At this time, it is suspected that the water was shut off sometime between 0250 hours and 0745 hours on 18 April. Currently, it is unknown how or why the water supply valve was closed.

2. Remediation Plan

To ensure that this incident does not occur in the future:

1. Researchers will inform the project biologist or his designee whenever fish are in holding tanks that need to be monitored overnight.
2. Project biologist or his designee will ensure that all facility personnel are aware that fish are being held in holding tanks.
3. A tagging system for important fish water supply valves will be established and implemented. The tagging process will be carried out by the project biologist or his designee and the tag will state "Do not close – Fish water supply".
4. Additional training to facility personnel will be provided to describe that, while holding fish, the water flow in and out of the tank must be monitored hourly and recorded in the logbook.
5. Fish condition will be noted hourly and recorded in the logbook.
6. If a problem is encountered, immediate action will be taken to fix the problem. The project biologist or his designee will be notified immediately.
7. A record will be made in the logbook to confirm that hourly checks have been completed (described in 4 and 5 above).
8. A label indicating the correct operating setting for the valve will be made on the tank as an additional visual reference for checking the water flow.
9. Raceway 1 will be used when possible to hold non-target fish so as to increase the time before oxygen depletion would become an issue.

April 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 FPAC Adult Fish Counting Starts all Dams. Juvenile Bypass Season Begins	2	3 Juvenile Spill Starts Snake River Dams – Pools to MOP	4	5
6	7	8 FPAC	9 TMT	10 FPOM Meeting- McNary	11	12
13	14	15 FPAC	16 B2CC closed- BGS TDA Fish unit OOS NHC MCN Surface Bypass Agency Visit	17 TDA Fish unit OOS	18 TDA Fish unit OOS	19
20	21 Snake River Juvenile Transport Begins TSP PDT at ERDC ICH COP 1300	22 FPAC TSP PDT at ERDC ICH COP 0930	23 TMT TSP PDT at ERDC NWW SRWG- passage	24 NWP FFDRWG TSP PDT at ERDC	25 TSP PDT at ERDC	26
27 Happy Birthday	28	29 FPAC NWW FFDRWG LMN, ICH	30 NWW field trip- ICH, MCN			

May 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 SCT@ MCN	2	3
4	5	6 FPAC	7 TMT	8 FPOM Meeting- RDP Velocity Task Group Meeting	9	10
11	12	13 FPAC	14	15	16	17
18	19	20 FPAC	21 TMT	22	23	24
25	26	27 FPAC	28	29	30	31

June 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 FPAC	4 TMT	5	6	7
8	9	10 FPAC	11	12 FPOM Meeting- NOAA	13	14
15	16	17 FPAC	18 TMT	19	20	21
22	23	24 FPAC	25	26 NWP FFDRWG	27	28
29	30					

