

MEMORANDUM FOR: FPOM MEMBERS

SUBJECT: Bonneville Lock and Dam Fishway and Construction Activities Report for June 3, 2004 FPOM meeting.

1 CONSTRUCTION STATUS

- 1.1 PH 2 Corner Collector Hi-Q PIT tag detector- Prototype antenna construction started on Cascades Island. PIT antenna scheduled for delivery at PH2 forebay on 24 June.
- 1.2 B2 Follow-on. The airburst system is in auto.
- 1.3 SMF hydrocannons. The hydro cannons at the SMF are not operational at this time. The Project is working on repairs. **Need to be completed by late June!**
- 1.4 Adult PIT tag exit detectors. Current schedule is set for installation in WA ladder during Winter 04/05.
- 1.5 Head Gate Delivery. Off loading of headgates at PH1 is scheduled for 07 June 2004.
- 1.6 PH 1 Gantry Crane Delivery and Erection. Scheduled for 9 August through 4 December.

2 FISHWAY SUMMARY

- 2.1 Unit operation.
 - 2.1.1 Unit 0 was out of service from 0530 until 1508 on 18 May for gland water pipe repair.
 - 2.1.2 Unit 1 remains out of service for turbine rehab.
 - 2.1.3 Unit 2 had a 1% violation from 0908 until 0928 on 24 May for pre-rehab testing.
 - 2.1.4 Unit 6 went out of service from 0500 on 26 May until 1515 on 27 May for annual maintenance.
 - 2.1.5 1 % violation for Units 12, 13, 14,16, and 18 for STS inspections.
 - 2.1.6 Unit 15 went to manual 3D cam adjustment at 0933 on 05 April. New modules are on order.
 - 2.1.7 Unit 16 went out of service at 1010 on 03 May until 1338 on 13 May for air cylinder brake repair.
- 2.2 On 18-20 May, gate hoists for spillbays 1 and 18 were repaired and returned to normal operation according to FPP.
- 2.3 DSM2 airburst is in auto. Ran every three hours until 1 June. **ERG tripped on 1 June at 0221 hours.** Currently set to run every hour due to higher debris load.
- 2.4 DSM1 remains out of service.
- 2.5 FV 5-9 has not been properly controlling in Auto during this week. On 27 May, Operators and garage crew attempted to flush the stillwell using the fire truck. TR has been submitted to the structural crew for cleaning. Stillwell was cleaned on 3 June and FV 5-9 returned to Auto.
- 2.6 Floating orifice gate (FO-7) was stuck submerged with a trickle of water over the top on 29 May. By 31 May, gate had returned to normal operating position.
- 2.7 PH2 collection channel velocity meter is OOS. No acoustic sensor! Repairs to be made during 04 winter maintenance.
- 2.8 Mid-season fishway inspection scheduled for 3 Aug. Project would like to try an ROV to inspect powerhouse collection channels. FPOM group was in favor of trying this technique. However, they would like to see a dive contract in place just in case the ROV does not perform as expected. i.e. if the ROV does not work, lets have our divers in a row to inspect the following week?
- 2.9 Shad appear to be clogging the bleed off valve for weir 37. Operators to blow air through the screen twice daily and structural crew to rake on Monday's and Thursday's if needed. Project to design and install screen rake during 04/05 Winter maintenance?
- 2.10 On 26 May, EC-HD conducted hydraulic testing at Powerhouse 2 collection channel.
- 2.11 B2CC in service.

3 RESEARCH

- 3.1 Battelle/BAE Systems FGE testing. Data collection continues.

- 3.2 Battelle/BAE Systems Gap Loss Testing. Data collection continues until 5 June. **Gap loss study completed. In the process of demobilization.**
- 3.3 CRITFC. Sampling twice a week.
- 3.4 ERDC TDG. Sensors remain installed in the tailrace.
- 3.5 ODFW Pikeminnow Tagging. Electrofishing in Bonneville's forebay and tailrace will continue on 28 June through 2 July.
- 3.6 NMFS. 640-clipped yearling chinook were collected for NMFS researchers during the week.
- 3.7 NOAA FISH lamprey. Lamprey ladder installation began 24 May.
- 3.8 PSMFC SMF. Three steelhead slid over the separator bars this week. One kelt was stuck on the separator bars and released alive.
- 3.9 USGS FPE testing. Fish tagging and releasing continues until 3 June for Spring study. **Summer study to begin 20 June.**
- 3.10 University of Idaho. Sampling daily in the AFF starting 05 April.
- 3.11 Wildlife Services/Avian Abatement. Birds were hazed with rockets, cracker shells, and 15mm pyrotechnics. None were lethally taken. **We have coverage until 26 June. Need to have the avian canon operational by this time. Contingency plan is to run a temporary hose to the sprinkler head if the hard pipe is not installed.**
- 3.12 WDFW Fish Counting. 16-hr visual counts at Washington Shore and Bradford Island.

4 MISCELLANEOUS

- 4.1 FPP revision for SMF outfall. **Language in FPP is wrong. Will revise.**
- 4.2 SLED = Sea Lion exclusion device. Regional fish managers would like to see SLEDs put on entrances to the WA shore fish ladder during spring 05. I am sure more discussions will take place at FPOM and FFDRWG.