Fish Passage Plan (FPP) Change Form

Change Form # & Title: 25JDA001 – Clarity on Emergency Bypass Terminology
Date Submitted: December 10, 2024
Project: John Day Lock and Dam
Requester Name, Agency: Miller, David – USACE/ODJ
Final Action:

FPP SECTION: Chapter 4 (JDA), section 1.1.1 Juvenile Facilities

JUSTIFICATION FOR CHANGE: The section states "A switch gate diverts fish to either the SMF or directly to the outfall (emergency bypass only)."

This isn't for "emergency bypass only" anymore. We are now operating the gate twice/day. Once to go into, and once to get out of sampling mode. JDA would like to just remove the term "emergency bypass only" from this sentence.

PROPOSED CHANGE: *Edits to existing FPP text in "track changes".*

1.1. Juvenile Fish Facilities and Migration Timing

1.1.1. Juvenile Facilities. The Juvenile Bypass System (JBS) at John Day Dam was completed in 1987 and the Smolt Monitoring Facility (SMF) was completed in 1998. Maintenance of the SMF is scheduled from December 1 through March 31 to minimize impact on downstream migrants. Maintenance of the JBS will start on the Monday of the 3rd week in December to reduce the possibility of adult fallbacks through turbine units.

Each of the project's 16 turbine units include one vertical barrier screen (VBS), one submersible traveling screen (STS), and three 14"-diameter orifices (one per gatewell).

During SMF juvenile fish sampling, flow with collected fish from the SMF is sent over the crest gate and down an elevated chute to the dewatering structure that reduces flow to 30 cubic feet per second (cfs) before entering the transport flume. A switch gate diverts fish to either the SMF or directly to the outfall ~~(emergency bypass only)~~. Fish diverted for sampling pass a fish/debris separator that directs debris and adult fish into a separate flume to the outfall. Juvenile fish are interrogated by PIT-tag detectors and diverted either to the SMF for sampling or the outfall. When the SMF is not in operation, the bypass collection conduit connects to a transport channel that carries fish to the tailrace (bypass mode). The differential between the forebay and bypass conduit is controlled by the tainter gate.

COMMENTS:

RECORD OF FINAL ACTION: