

Fish Passage Plan (FPP) Change Form

Change Form # & Title:	24JDA004 - SMF Dewatering Section Addition
Date Submitted:	29-JAN-2024
Project:	John Day Dam
Requester Name, Agency:	Eric Grosvenor, USACE
Final Action:	FINALIZED 1-FEB-2024

FPP SECTION: Section 5 “Dewatering Plans”

JUSTIFICATION FOR CHANGE: There is a subsection outlining dewaterings for all other parts of the project, but not one for dewatering the SMF.

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

Add new section 5.7 for Dewatering – Smolt Monitoring Facility (SMF)

5.7. Dewatering – Smolt Monitoring Facility (SMF)

5.7.1 The SMF is dewatered annually for winter maintenance following STS adult fallback operation (Monday of the 3rd week in December). Dewatering is performed by raising the crest gate and bypassing fish down the ogee chute and out to the river. There are several steps that must be taken to ensure fish safety and to prevent equipment failure.

- i.** Open Valve-27, the adult drain flushing valve, and the ogee flushing valve.
- ii.** Slowly close the JBS tainter gate (about 0.5-feet/minute).
- iii.** Open primary dewatering station (PDS) weirs 1-4, close the transport flume gate, and remove the drain plugs.
- iv.** When the water level is no longer draining from weirs 1-4, open the high capacity drain.
- v.** When the crest gate is completely dry raise it and pin it in place. If there is still water on the crest gate the extra weight will damage the crest gate.
- vi.** Crowd fish towards the fish drain (eastside of the PDS) from both the crest gate and the PDS simultaneously. Once all fish are near the drain, open the drain, and slowly crowd the fish until they have exited the system.
- vii.** Periodically check for any lamprey that may still be in the system over the next 48 hours.

COMMENTS:

1-FEB-2024 FPOM FPP Meeting: Lotspeich added this this is basically their SOP in broader terms. The most important part is bullet v – it has happened in the past that the crest gate was damaged from opening when there was still water on it.

RECORD OF FINAL ACTION: Finalized at the FPOM FPP meeting 1-FEB-2024.