

Fish Passage Plan (FPP) Change Form

Change Form # & Title: 24IHR003 – Juvenile fish collection channel orifices
Date Submitted: 27-DEC-2023
Project: Ice Harbor
Requester Name, Agency: Ken Fone, USACE
Final Action: **FINALIZED 1-FEB-2024**

FPP SECTION: 2.3.2.3. Collection Channel

JUSTIFICATION FOR CHANGE: Section 3.2.2.5. provides additional guidance on what other actions to take if orifices must be closed because of an operational or maintenance problem.

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

2.3.2.3. Collection Channel.

- i.** Ensure orifices are clean and operating. Operate at least one orifice per gatewell slot (preferably the north orifice). If the project is operating within the Minimum Operating Pool (MOP) range, additional orifices may be operated to maintain a full collection channel. If orifices must be closed to repair any part of the facility, monitor the gatewells hourly (unit is operating) or at least every two hours (unit is not operating) for fish condition and behavior. See **sections 3.2.2.4 and 3.2.2.5** to determine if the unit must be shut down and if fish must be dipped from the gatewell(s).
- ii.** Ensure orifice lights are functioning and operating in open orifices 24 hrs/day. Replace all burned out orifice lights within 24 hours of notification. Orifice lights and area lights may be turned off the evening before the channel is dewatered at the end of the season (Monday of the 3rd week of December or later) to encourage fish to exit the channel volitionally. Area lights can be turned on briefly for personnel access if necessary.
- iii.** Unit 1 through unit 5 Orifice jets should not be hitting the water no-closer than 3’ from the back wall, with the collection channel full. Unit 6 orifices should not be hitting the water closer than 2’ from the back wall (channel is narrower at the upstream end).
- iv.** Orifice valves are either fully open or closed.
- v.** Backflush orifices at least once a day. During periods of high fish and debris passage, April 1–July 31, inspect and backflush orifices once per 8-hour shift, or more frequently as determined by the Project biologist to keep orifices clean.
- vi.** Ensure the water-up valve is capable of operating when needed.
- vii.** Maintain netting along handrails and netting or covers over orifice chutes in good condition with no holes or gaps.

COMMENTS:

1-FEB-2024 FPOM FPP Meeting:

Fone added for the change in paragraph iii, that 3' is not attainable at the upstream end of the channel because it is actually narrower than the rest of the channel and more like 2' from the wall.

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