# Fish Passage Plan (FPP) Change Form

**Change Form # & Title**: 22IHR004 – STS Removal Schedule

**Date Submitted**: 26-January-2022

**Project**: Ice Harbor

**Requester Name, Agency**: Ken Fone

**Final Action:** **APPROVED 27-January-2022**

**FPP Section**: Table IHR-1, 2.3.1. Juvenile Facility Winter Maintenance Period, 2.3.1.2. Submersible Traveling Screens (STSs) and Vertical Barrier Screens (VBSs), 2.3.2. Juvenile Facilities-Fish Passage Season, 2.3.2.2. STSs and VBSs, 2.3.2.3. Collection Channel and 3.2. Maintenance-Juvenile Fish Facilities 3.2.1.2.

**Justification for Change**: This Fish Passage Plan (FPP) change is to request STS removal to start on the Monday of the third week of December, to include the first partial week when applicable. The current start date for removal of STSs of December 16 changes from year to year in an 8-day cycle. Some cycles fall Friday-Sunday which is outside of the normal work week or fall toward the end of the work week resulting in a narrow window to complete STS removal. This results in over-time labor costs and negative impacts to work-life balance of personnel.

In 2022, December 16 falls on a Friday which means the mechanical crew would need to work overtime to pull STSs without impacting other maintenance that must be completed during the winter outage. The proposed change would allow the crew to start pulling screens Monday December 12-15. The channel will be dewatered once all fish screens are removed, which may also fall prior to the December 16 timeframe on some years. This will reduce cost in the overall Fish labor expenditures due to overtime and support employees that would like to schedule leave to be with family for the holidays.

**Proposed Changes**:

**2.3.1. Juvenile Fish Facilities - Winter Maintenance Period (3rd week of December –March 31).**

**2.3.1.2. Submersible Traveling Screens (STS) and Vertical Barrier Screens (VBS)**

Removal of STSs may begin as early as the Monday of the third week of December.

Complete maintenance on all screens.

Inspect STSs prior to installation and operate one trial run (dogged off on deck) to ensure proper operation. Log results of trial run.

Inspect all VBSs at least once per year with underwater video camera. Repair as needed.

* + 1. **Juvenile Fish Facilities – Fish Passage Season (April 1– 3rd week of December).**

Operate in accordance with criteria below for juvenile fish passage April 1–October 31, and for adult fallbacks November 1–through the Monday of the 3rd week of December.

* + - 1. **STSs and VBSs.**

**viii.** Between Thanksgiving and the Monday of the 3rd week of December , if the National Weather Service forecast for Ice Harbor Dam is below 20°F for the 24 hours or longer, the STSs may be removed. Prior to removing screens, request special permission from CENWW-OD-T, who will then inform NOAA Fisheries and FPOM.

* + - 1. **Collection Channel.**

**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 (the 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.

3.2. Maintenance - Juvenile Fish Facilities.

3.2.1. Scheduled Maintenance.

**3.2.1.2.** Long-term maintenance or modifications that require facilities out of service for extended periods of time are conducted during the winter maintenance period, beginning as early as the Monday of the 3rd week of December through March 31.

**COMMENTS**:

 1/27/22 FPOM FPP Meeting:

Bettin requested having this added to JDA too. Fielding concurred and will submit a change form.

**RECORD OF FINAL ACTION**: Approved at the FPOM FPP meeting 1/27/22.