

# FPP Change Form

**Change Request Number:** 09BON011

**Date:** December 15<sup>th</sup>, 2008

**Proposed by:** NWP/BON Fisheries

**Location of Change:** BON 2.4.2.2.j

## Proposed Change:

j. If STS or VBS damage or plugging is detected, follow procedures in *Section 4. Fish Facilities Maintenance*. Records of inspections or a summary of such records will be made available to FPOM by the February meeting, upon request.<sup>[GLF1]</sup> In the event of overwhelming debris (as defined below) follow the procedures outlined below.

### 1. TIE Crane in Service

A. ~~Riggers VBSs will be cleaned by~~ ~~will clean the screens by~~ installing the spare VBS in the back slot, pulling the main VBS out and swing it over the forebay and spray it off with a fire hose, then replace back in slot and pull spare (reverse order).

B. ~~When~~ ~~If the VBS drawdown criteria of <1.1' the riggers~~ CANNOT ~~be maintained~~ ~~the VBS screen criteria of <1.1' drawdown~~ during the day due to debris, ~~they will not install the~~ spare VBS ~~will not be installed~~ in the back slot. ~~The Project~~ ~~and~~ will pull the main screen, swing it over the forebay and spray it off with a fire hose, then re-install.

C. If the ~~VBS drawdown criteria of riggers <1.5' over a 12 hour period~~ CANNOT ~~be maintained~~ ~~<1.5' drawdown over a 12 hour period~~ due to debris, ~~even~~ after performing ~~the~~ above operations, then ~~they~~ STSs will ~~be pulled~~ ~~the STSs~~ out until Project Fisheries determines when to reinstall.<sup>[GLF2]</sup> (SEE BELOW)

### 2. TIE Crane OOS- use gantry crane

A. ~~Riggers will use~~ ~~If the Gantry Crane is used~~ to pull the main VBS, ~~the spare VBS will not be installed in the back slot.~~ ~~and spray~~ it with a fire hose in the gatewell (limited capacity of the gantry crane) and will NOT install the spare VBS in the back slot.

B. If the ~~VBS drawdown criteria of <1.5' over a 12 hour period~~ riggers CANNOT ~~be maintained~~ ~~<1.5' drawdown over a 12 hour period~~ due to debris, ~~even~~ after performing ~~the~~ above operations, then ~~they will pull the~~ STSs ~~will be pulled~~ out until Project Fisheries determines when to reinstall. (SEE BELOW)

3. Once the screens have been removed, these units should be operated only as necessary to maintain TDG levels below dissolved gas cap limits.<sup>[GLF3]</sup> - ~~DEBRIS EXCEEDS CLEANING CAPACITY~~ - ~~If the cranes CANNOT maintain the FPP drawdown criteria for the VBSs and the maximum 3.0' drawdown criteria for the fish units is met or exceeded~~

~~for 24 hours, Project Fisheries will request that screens be removed until <1.5' drawdown across the VBSs can be maintained over a 24 hour period. If that criterion can be maintained, then screens can be re-installed.~~

~~**4.—SCREEN RE-INSTALLATION CRITERIA-** When the STSs have been removed due to debris loads, the following protocols will be followed to determine when to install them:~~

~~**A.** The Control Room operators will measure drawdowns over AWS and Fish Unit trash racks. These drawdowns will be used as an indicator of debris levels in the river to determine when to re-install STSs.~~

~~**B.** Drawdown is the difference in water level between the upstream side of a screen/trashrack and the downstream side. The FPP refers to trash rack drawdown as gateway drawdown.~~

~~i) For AWS and Fish Unit trash racks, a gateway drawdown of 1.5' requires either raking or nighttime floating of debris, as per the 2008 FPP.~~

~~ii) A gateway drawdown of 3.0' or more will result in immediate cleaning. Cleaning of trash racks requires load reduction and the gantry crane.~~

~~iii) The cleaning criterion for the VBSs is 1.1' drawdown or .9' drawdown on Thursdays (in preparation for the weekend). If drawdown reaches 1.5', the unit will be forced out of service until the screens can be cleaned.~~

~~**C.** The use of the Fish Unit trash racks as the criteria is based on the smaller 7/8" spacing of these trash racks and their location at the north end of PH 2. They have smaller spacing than any other trash racks and are closer in proximity to the STS/VBSs. As per the FPP, the Project has been monitoring drawdowns at least once per week. ~~Once~~ drawdown on the fish unit trash racks no longer exceeds the ~~FPP~~ 1.5' cleaning criteria within a 24 hour period, ~~the Project will install~~ we would suggest returning STSs to two priority main operating units for 24 hours. When VBS drawdown for these units remains below 1.1' for 24 hours, ~~then~~ the Project will re-install the remaining STSs.~~

**Reason for Change:** To clearly lay out a plan for PH2 VBS cleaning and emergency STS screen removal in cases of high debris loads.

**Comments from others:** These emergency procedures should also include more frequent gateway drawdown measurements to assure that the main unit trashracks are maintained as clean as possible. Normally this is done once per week but this should be increased to daily under extreme debris conditions.

**Record of Final Action:** approved as written at January 2009 meeting.