

# Draft FPP Change Form

9/14/07

**Change Request Number:** 08LGS\_001

**Date:** October 10, 2007

**Proposed by:** Bill Hevlin, NOAA Fisheries

**Proposed Change or Addition (specify what and where in the current FPP you want to see changed or added, and what projects it would effect)**

Location of requested addition to FPP – See LGS-6, 2.1 Spill Management. Last sentence in this paragraph tells us that special spills for juvenile fish passage at Little Goose will be provided as detailed in Appendixes A and E. Therefore, see SPO-LGS-1 (appendix A) section 1.1. Special Project Operations, Spill. And, appendix E contains the 2007 Fish Operations Plan. Hence, this addition could be entered either into appendix A, section 1.1., or into a new 2008 Fish Operations Plan (which I expect would be appendix E).

**>During years when fish passage spill is provided at Little Goose, and project biologists or researchers at Little Goose notice an extraordinary congregation of juvenile fish delaying in the forebay, they will notify NOAA Fisheries and CENWW to request a fish flush spill (FFS) that evening. The FFS request will be for three hours, 8 pm to 11 pm, and be 50% of river flow during those hours, using a uniform spill pattern to lesson dissolved gas entrainment. The e-mail request will go to RCC from CENWW after coordination with NOAA Fisheries. <**

(During low flow years when Little Goose is not spilling (maximizing transport), there already is language in appendix B, page B-6, 1<sup>st</sup> paragraph, which details the procedure to call for spill if it appears that the holding capacity for transport may be exceeded on a given day.)

## **Reason for Change:**

During the 2007 spring migration season project biologists and researchers at Little Goose and Lower Monumental observed extraordinary congregations of juvenile fish delaying in the forebays. Also, researchers at Ice Harbor in the spring of 2001 - the low flow year without spill at the four lower Snake projects - observed schools of yearling Chinook holding within the immediate forebay of the dam on a daily basis throughout the study period. Delay in forebays increase exposure time to predators and increase migration time to the estuary, which reduces juvenile survival at the project and through the system. In the spring of 2007, additional evening spill was requested at Lower Monumental to flush the delaying fish from the forebay. NOAA researchers later reported that the radio tagged fish they had observed holding in the forebay were moved

downstream through the dam with the fish flush spill. We expect that operation of the new RSW at Lower Monumental in the spring of 2008 will keep forebay delay at a minimum, hence no need for similar fish flush spill language at Lower Monumental. Ice Harbor and Lower Granite have operational RSWs, so there is no need for fish flush spill at those dams. Whereas, spillway surface passage at Little Goose is not expected until the spring of 2009, hence, this FPP language provides the option should the need arise in 2008 for evening fish flush spill.

**Comments from others:**

(Space for comments by others)

**Record of Final Action:**

(What action was finally decided upon?)