# Fish Passage Plan (FPP) Change Request Form

**Change Form # & Title**: 18LWG002 – Updates for Units 1 and 2

**Date Submitted**: February 1, 2018

**Project**: LWG

**Requester Name, Agency**: Corps NWW

**Final Action: APPROVED 2/8/18**

**FPP Section**:

Table LWG-5. Unit Priority Order.

Footnote to Table LWG-6. Turbine 1% Range for Units 1–3

**Justification for Change**:

Updates the FPP to reflect the current status of Unit 1 (restored to fully-adjustable Kaplan) and Unit 2 (fixed blades in April 2017):

* Revises the unit priority order to move Unit 1 to first priority and Unit 2 to last-on/second-to-last off to minimize starts/stops to the extent possible.
* Revises footnote to the 1% table to remove Unit 1 restriction and add Unit 2 restriction.

**Proposed Change**: *[see following page for edits to existing FPP text in track changes]*

**Comments**:

**Record of Final Action**: APPROVED at FPOM 2/8/18

Table LWG-5. Lower Granite Dam Turbine Unit Priority Order.

|  |  |
| --- | --- |
| **Season** | **Unit Priority Order** |
| March 1 – December 15  Fish Passage Season | Start Units: 1, 3, 4–6 any order, then 2**a**  Stop Units: 4–6 any order, 3, 2, 1 |
| December 16 – end of February  Winter Maintenance Period | Any Order |

**a.** Unit 2 has fixed Kaplan blades (hydraulically locked) and operates in the upper 1% range. The priority order minimizes starts/stops and allows for the longest runtime once Unit 2 is started.

**b.** Stop units in reverse Start order except run Unit 2 as long as BPA load request and required spill can be met, and stop Unit 2 before Unit 1.

Table LWG-6. Turbine 1% Range for Units 1-3.

DELETE footnote for Unit 1 restriction and ADD footnote for Unit 2 restriction.

**b.** Unit 2 has hydraulically locked runner blades due to failed blade packing sleeves. As a result, Unit 2 is restricted to a smaller operating range of approximately 17-19 kcfs until the unit is repaired.