

## Fish Passage Plan (FPP) Change Request Form

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**Change Form # & Title:** 15LGS001 – Unit 5 Restricted Operation  
**Date Submitted:** July 10, 2014  
**Project:** Little Goose Lock & Dam  
**Requester Name, Agency:** Lisa Wright, Corps RCC  
**Final Action:** APPROVED – [August 14, 2014](#)

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**FPP Section:** LGS Section 4 (Turbine Unit O&M) – Table LGS-7

**Justification:** Little Goose Unit 5 is restricted to operate in the upper 1% range (~16–19 kcfs) due to vibration issues. February 2012 HDC report documented vibration concerns with Unit 5 at loading below 120 MW. Project SOP was issued in March 2012 to start Unit 5 as quickly as possible and bring to a base point of 130 MW or higher to minimize excessive vibration at points below 120 MW and prevent damage to the unit.

**Proposed Change:** Add footnote **b** to Table LGS-7 regarding Unit 5 operation.

**Table LGS-1. Little Goose Dam Turbine Units 4, 5, 6 Power (MW) & Flow (cfs) at Upper and Lower Limits of the  $\pm 1\%$  Peak Efficiency Operating Range.** <sup>a, b</sup>

*(no changes to table – added footnote is the only change)*

**a.** Table based on the 2003 index test of U4 and the 1975 turbine model test.

**b.** [Unit 5 restricted to operate in upper 1% range \(approximately 16.2–19.2 kcfs\) due to vibration issues below 120 MW \(HDC Report 2/22/12\). March 2012 SOP issued to start Unit 5 as quickly as possible and bring to base point of  \$\geq 130\$  MW to minimize excessive vibration at points below 120 MW and prevent damage to the unit.](#)

**Comments:**

**Record of Final Action:**

8/14/14 FPOM - APPROVED