

Fish Passage Plan (FPP) Change Request Form

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| Change Form # & Title: | 16LWG002 – Minimum Generation Requirements |
| Date Submitted: | December 22, 2015 |
| Project: | LWG |
| Requester Name, Agency: | Corps RCC |
| Final Action: | APPROVED – January 28, 2016 |

FPP Section: LWG 4.2.3. Turbine Unit Operating Range – Minimum Generation.

Justification for Change: Refers to the current minimum generation ranges in the FOP Table 1. Minimum generation ranges in the FPP have not been updated since January 2010. Since that time, min gen ranges have been updated in the FOP based on the 1% range tables and actual unit operations and restrictions (e.g., fixed blade).

Referring to the FOP Table 1 ensures the reader will be directed to the most current and updated information, and eliminates the need to update multiple sections with the same information as things change.

Proposed Change:

4.2 Turbine Unit Operating Range.

4.2.3. Minimum Generation. All of the lower Snake River powerhouses may be required to keep one generating turbine unit online at all times to maintain power system reliability. The minimum generation range of a turbine unit is derived from the 1% range tables in Section 4 and actual unit operations, as defined in the FOP Table 1 (Appendix E). During low flow, there may not be enough river flow to meet this generation requirement and required minimum spill. Under these circumstances the minimum generation requirement will take precedence over the minimum spill requirement. Actual attainable minimum generation levels may vary depending on project conditions. At Lower Granite Dam, minimum generation requirements are 11.3–13.1 kefs for turbine units 2 and 3, and 13.5–14.5 kefs for turbine units 4, 5 and 6. Unit 1 has fixed (welded) blades and cannot be adjusted to run at the lower end of the 1% range; therefore operating Unit 1 during minimum generation results in approximately 17–19 kefs turbine discharge.

Comments:

Record of Final Action: APPROVED at FPP meeting 1/28/2016.