

Fish Passage Plan (FPP) Change Request Form

Change Form # & Title: 16LWG003 – Doble Testing
Date Submitted: DecemberG
Requester Name, Agency: Richard Hilt and Elizabeth Holdren, Corps Lower Granite Dam
Final Action: **APPROVED – January 28, 2016**

FPP Section: LWG Section 4.3. Turbine Unit Maintenance.

Justification for Change: Doble testing of transformers T1 and T2 is described in Lower Granite Section 4.3. In years when Doble testing will be performed they are scheduled for the second Monday in August. Dates and specific powerhouse operations during T1 and T2 testing are included in Lower Granite Dam Special Operations 9.1.3. (Appendix A). Combining the text from both sections into the LWG FPP would provide the reader a more comprehensive understanding of Doble testing procedures and eliminate the need to search other sections of the FPP for information on routine turbine preventative maintenance.

Proposed Change:

4.3. Turbine Unit Maintenance.

4.3.2. Doble Testing. Transformers are Doble tested every 3 years, and the yearly schedule will be included in Appendix A. Testing may need to be more frequent if there is a known problem with a transformer. These tests normally take 3–5 workdays. To conduct the testing, the transmission lines have to be disconnected from the transformers and normal generation stopped. One turbine unit will operate at speed-no-load to provide project power and operation of fish passage facilities. Spill may be provided to meet minimum required project discharges during the testing hours. ~~The Doble tests are normally scheduled for August–early September to minimize impacts on adult and juvenile fish passage.~~

Lower Granite transformer T1 or T2 bank Doble testing requires daily full line outages. Unit 5 will be run at speed-no-load (approximately 5 kcfs) daily to supply station service power. When T1 is tested, T2 (Units 5-6) will be returned to service at night and T1 (Units 1-4) will remain OOS for the duration of the Doble test. When T2 is tested, T1 (Units 1-4) will be returned to service at night and T2 (Units 5 and 6) will remain OOS for the duration of the Doble test. In years when Doble testing is to be performed it will normally be scheduled to begin the second full week in August from 0600-1800 hours. Details of Doble testing will be included in the Lower Granite weekly ESA report.

Comments:

1/28/2016 FPP Meeting: keep yearly specific dates in Appendix A. FPOM requests one change form per year for Appendix A with the schedule of Doble testing planned that year at all projects, including rationale for why the dates were selected and concurrent fish passage data (all species).

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