



**Confederated Tribes of the Warm Springs
Reservation of Oregon**

P. O. Box 960 • Warm Springs, OR 97761



Portland General Electric Company

121 S.W. Salmon Street • Portland, OR 97204

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**Re: Pelton Round Butte Hydroelectric Project
2011 SWW Interim Operating Procedure**

Dear Dee and Steve:

I have enclosed the final version of the Joint Licensee's 2011 Interim Operating Procedure for the Pelton Round Butte SWW facility. This version includes all of the revisions that you provided to PGE on February 14, 2011.

PGE is now operating the SWW pursuant to this procedure and will continue to do so for the remainder of 2011. As noted in the procedure, PGE will consult with DEQ and the WCB before making any changes in the procedure.

Please feel free to contact me at (503) 464-8864 if you have any questions about the enclosed procedure.

Very truly yours,

Julie A. Keil, Director
Hydro Licensing and Water Rights

cc:
Fish Committee

**Pelton Round Butte Project
(FERC Project No 2030)**

**Selective Water Withdrawal
2011 Interim Operating Procedure**

After consultation with the Oregon Department of Environmental Quality (DEQ) and the Water Control Board (WCB) of the Confederated Tribes of the Warm Springs Reservation of Oregon, Portland General Electric Company (PGE) will operate the Round Butte Selective Water Withdrawal structure (SWW) in the following manner during 2011:

For the period January 1, 2011, through December 31, 2011, PGE will implement an interim operating procedure for the SWW in accordance with the modeled flow blend referred to as "Blend 17" described in the Round Butte Dam Selective Water Withdrawal Design Basis Report (CH2MHill 2007). Current forebay temperature profile data indicate that the thermal profile in Lake Billy Chinook is near that predicted by the hydrodynamic model utilized in the WQMMP. As a result, it is likely that discharge temperatures will more closely approximate those predicted by the model for Blend 17.

This interim operating procedure will allow the Joint Licensees to generate an entire year of data, operating with a "set up" reservoir. During this period, PGE will calculate the Natural Thermal Potential (NTP) on a seven day rolling average, using the regression analysis utilized during the 1999 water temperature study. In addition, PGE will create curves that represent the average of the NTP over both a three and a five-year period and calculate frequency distribution curves of the difference between NTP and measured temperature at the point of compliance based on the 7-day average of daily maximum temperature. This information will be useful in developing operating plans for future years.

In the event that the discharge temperature at the Reregulating Dam shows a significant deviation from NTP, PGE will consult with DEQ and the WCB before making any change to the operation of the SWW. Significant deviation is considered 1°C (above NTP + .25°F).

PGE will also implement improvements to the programmable logic controls related to the SWW. The goal of these changes is to make the system more nimble and to allow deviations from the Blend 17 flow percentages to be made more easily. It will be necessary to deviate from the Blend 17 percentages for short periods of time in order to test the changes to the PLCs. PGE will notify DEQ and the WCB before beginning such tests.