Good morning Audrey,

Washington Department of Ecology (Ecology) regulates hydroelectric projects as it relates to Section 401 Water Quality Certification (WQC) of the Federal Water Pollution Control Act (33 U.S.C § 1341). Specific WQC conditions related to the Quality Assurance Project Plan (QAPP) for the Packwood Lake Hydroelectric Project (FERC No. 2244) are found in the WQC dated July 24, 2009 (Certificate-Order No. 6499).

Ecology is approving the Oil Spill Prevention and Control Conditions based on specific conditions:

1) Use of the maps and diagrams found in the General Oil Spill Prevention and Control Conditions dated April 3, 2019; and  
2) Best Management Practices are constructed per Ecology approved 2012 (revised 2014) Stormwater Manual (or more recently approved SWMMWW); and  
3) Reporting spills will be consistent with the WQC; and  
4) Approvals for modifications shall be sent via email.

Thank you for the opportunity to review and approve the General Oil Spill Prevention and Control Conditions for the Packwood Lake Project. I look forward to reviewing the documents and logs on site in the near future. If you have any questions regarding this approval, please call me at (360) 407-6269 or 360.742.9751.

Sincerely,
Carol

Carol F. Serdar, LG  
Hydropower WQ Compliance Manager and Contaminated Construction Stormwater Inspector  
WA Department of Ecology - SWRO Water Quality Program - Watershed Resources Unit  
PO Box 47775  
Olympia, WA 98504-7775  
360.407.6269 desk  
360.742.9751 cell
April 3, 2019
PKWD-19-037

Carol F. Serdar, LG
Hydropower WQ Compliance Manager and
Contaminated Construction Stormwater Inspector
WA Department of Ecology - SWRO
Water Quality Program - Watershed Resources Unit
PO Box 47775
Olympia, WA 98504-7775

Dear Ms. Serdar;

Subject: PACKWOOD LAKE HYDROELECTRIC PROJECT
WASHINGTON DEPARTMENT OF ECOLOGY
CERTIFICATION ORDER NO. 6499
GENERAL OIL SPILL PREVENTION AND CONTROL CONDITIONS

References: Letter dated July 24, 2009; Garin Schrieve, Washington Department of Ecology to Dan Ross, Energy Northwest, “401 Certification of the Packwood Lake HydroPower Project”

Federal Energy Regulatory Commission (FERC) Docket No. P-2244

Energy Northwest hereby submits to Washington Department of Ecology (WDOE) an oil inventory list and diagrams of the Packwood Lake Hydroelectric Project, as required by WDOE’s Certification Order No. 6499.

The inventory list provides the location, container type, number of containers, container volume, total shell volume, spill potential, material type, PCB content, and direction of flow for the Project’s containers and oil-filled operating equipment greater than 55 gallons.

The diagrams note the location of the containers and oil-filled equipment and indications of the general oil spill flow direction.
If you have any questions or require additional information regarding this matter, please contact me at 509.377.8486 or at kwwilliams@energy-northwest.com.

Respectfully,

Ken Williams
Supervisor, Hydro & Wind Projects

Attachments:
1) Project inventory
2) Project diagrams
   a. Intake Structure
   b. Switchyard
   c. Powerhouse
   d. Warehouse
<table>
<thead>
<tr>
<th>Location</th>
<th>Container Type</th>
<th>Containers</th>
<th>Container Volume</th>
<th>Total Shell Volume</th>
<th>Spill Potential</th>
<th>Material Type</th>
<th>PCB Content</th>
<th>Direction of Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intake Structure</td>
<td>Head gate hydraulic unit</td>
<td>1</td>
<td>&lt;95 gallons</td>
<td>95 gallons</td>
<td>Low potential</td>
<td>Mobile DTE Oil</td>
<td>None</td>
<td>Inside containment equipped with drain line to a capture barrel</td>
</tr>
<tr>
<td></td>
<td>Standby diesel generator</td>
<td>1</td>
<td>≤100 gallons</td>
<td>100 gallons</td>
<td>Low potential</td>
<td>Diesel</td>
<td>None</td>
<td>Self-contained</td>
</tr>
<tr>
<td>Switchyard</td>
<td>Main transformer</td>
<td>1</td>
<td>3794 gallons</td>
<td>3794 gallons</td>
<td>Low potential</td>
<td>Mineral Oil</td>
<td>None</td>
<td>To surrounding area designed to absorb effluent</td>
</tr>
<tr>
<td></td>
<td>Station service distribution transformer</td>
<td>1</td>
<td>82 gallons</td>
<td>82 gallons</td>
<td>Low potential</td>
<td>Mineral Oil</td>
<td>None</td>
<td>To surrounding area designed to absorb effluent to holding tank</td>
</tr>
<tr>
<td>Powerhouse</td>
<td>Grounding transformer</td>
<td>1</td>
<td>100 gallons</td>
<td>100 gallons</td>
<td>Low potential</td>
<td>Mineral Oil</td>
<td>None</td>
<td>Directed to oil sump; all floor drains plugged</td>
</tr>
<tr>
<td></td>
<td>Generator lube oil tank</td>
<td>1</td>
<td>585 gallons</td>
<td>600 gallons</td>
<td>Low potential</td>
<td>Oil</td>
<td>None</td>
<td>Directed to oil sump; all floor drains plugged</td>
</tr>
<tr>
<td></td>
<td>Governor oil system</td>
<td>1</td>
<td>600 gallons</td>
<td>650 gallons</td>
<td>Low potential</td>
<td>Oil</td>
<td>None</td>
<td>Directed to oil sump; all floor drains plugged</td>
</tr>
<tr>
<td></td>
<td>Lead (sulfuric) acid battery bank</td>
<td>1</td>
<td>163 gallons</td>
<td>163 gallons</td>
<td>Low potential</td>
<td>Sulfuric Acid Electrolyte</td>
<td>None</td>
<td>Bermed. Drain cover available; floor drain goes to the stilling basin</td>
</tr>
<tr>
<td>Warehouse</td>
<td>Oil drums - new</td>
<td>2</td>
<td>≤55 gallons each</td>
<td>55 gallons each</td>
<td>Low potential</td>
<td>Oil</td>
<td>None</td>
<td>Containment skids per drum</td>
</tr>
<tr>
<td></td>
<td>Standby diesel generator</td>
<td>1</td>
<td>≤160 gallons</td>
<td>160 gallons</td>
<td>Low potential</td>
<td>Diesel</td>
<td>None</td>
<td>Self-contained</td>
</tr>
</tbody>
</table>
INTAKE STRUCTURE