



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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October 5, 2021

John Kvandal
Department of the Navy
Naval Facilities Engineering and Expeditionary Warfare Center
1000 23rd Avenue
Port Hueneme, CA 93043-4301

RE: **Field Testing of Wave Energy Converter – Unmanned Underwater Vehicle,
Lake Washington, the Ship Canal and Puget Sound, King County, Washington**

Dear John Kvandal:

On August 25, 2021, the Washington Department of Ecology (Ecology) received the Department of the Navy (Navy) Negative Determination for the above project. The proposed federal activity consists of multiple in-water components, including the WEC-UUV integrated system to be deployed in the Ship Canal, Lake Washington, and Puget Sound, Washington. Four (4) small Surface Wave Instrument Floating with Tracking (SWIFT) buoys will also be deployed, but only in the Lake Washington and Puget Sound sites. The “Tiger Ray” WEC, weighing 2,000 pounds (lbs.) in air, is approximately 2 m x 2 m x 3 m and designed to sit at the surface of the water. The WEC includes a mast and three cylindrical floats: an aft float, forward float, and a central nacelle float. Each float is 2.6 m long and less than 1 m in diameter. There is a 0.45 m gap between the forward and aft floats, relative to the center cylinder nacelle of the WEC. The rotation of the forward and aft floats is extremely slow, with only 0.1 to 10 revolutions per minute (rpm). The sweep of the forward and aft floats during operation is +/- 8 degrees, and the effective travel of the forward and aft floats during operation is 30 centimeters (cm).

Ecology has reviewed the Navy’s Negative Determination for the project and concurs that the project will have no effects to Washington’s coastal zone resources and uses. Thus, the project does not trigger any of the CZMP’s enforceable policies that are found in the Shoreline Management Act, the Water Pollution Control Act, Washington’s Clean Air Act, the Ocean Resource Management Act, and the Marine Spatial Plan for Washington.

Pursuant to Section 307(c)(3) of the Coastal Zone Management Act of 1972 as amended, Ecology concurs with the Navy’s determination that the proposed project is consistent to the maximum extent practicable with the Washington CZMP.

Should you have questions or concerns regarding this letter, please do not hesitate to contact Loree' Randall, of my staff, at (360) 407-6068 (office), (360) 485-2796 (cell), or loree.randall@ecy.wa.gov.

YOUR RIGHT TO APPEAL

You have a right to appeal this decision to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this decision. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2)

To appeal you must do all of the following within 30 days of the date of receipt of this decision: File your appeal and a copy of this decision with the PCHB (see addresses below). Filing means actual receipt by the PCHB during regular business hours. Serve a copy of your appeal and this decision on Ecology in paper form - by mail or in person. (See addresses below.) E-mail is not accepted.

You must also comply with other applicable requirements in Chapter 43.21B RCW and Chapter 371-08 WAC.

ADDRESS AND LOCATION INFORMATION

Street Addresses	Mailing Addresses
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
Pollution Control Hearings Board 1111 Israel RD SW STE 301 Tumwater, WA 98501	Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

Sincerely,

A handwritten signature in blue ink, appearing to read 'Brenden', with a stylized flourish extending to the right.

Brenden McFarland, Section Manager
Environmental Review and Transportation Section
Shorelands and Environmental Assistance Program

E-CC: McKay, Deb (Navy)
Randall, Loree' (ECY)
Sandercock, Maria (ECY)
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