



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47600, Olympia, WA 98504-7600 • 360-407-6000

January 30, 2024

The Department of the Army
U.S. Army Corps of Engineers
Walla Walla District
ATTN: Michael Erickson
201 North 3rd Avenue
Walla Walla, WA 99362-1876

Re: Coastal Zone Management Federal Consistency Decision for Tukwila Non-Federal Levee Repair Project, Green River, Tukwila, King County Washington

Dear Michael Erickson:

On December 13, 2023, the U.S. Army Corps of Engineers (Corps) submitted a Consistency Determination with the Washington State Coastal Zone Management Program (CZMP). Ecology issued a 21-day public notice on December 18, 2023, and received no comments. On January 4, 2024, Ecology requested a 15-day extension pursuant to 15 CFR 930.41(b) extending the CZM decision deadline to February 26, 2024. At Ecology's request, the Corps supplied additional information on January 23, 2024.

The purpose of the proposed repairs is to restore the level of flood protection provided by the Tukwila Levee that existed prior to flood damage sustained by the levees during a 2015 flood event, potentially incorporating resiliency measures resulting from improved technology or construction methods. An assessment of the levees confirmed that there is an increased likelihood of damages or breaching of the levees in their current condition.

The shoreline and river impacted by construction activities will be restricted to the damaged section of the levee, the transition to the undamaged upstream and downstream sections of the levee and the willow planting area. Some trees will be removed from the levee to facilitate the repair work. From start to completion, the levee repair is expected to take 7 to 11 weeks and any in-water work for the repairs are intended to occur within the approved in-water work window, which is from July 15 to August 31. If there are delays in construction, coordination/discussions regarding in-water work past August 31 may be requested. A typical

work week includes six days of construction, eight to ten hours a day depending on available daylight.

Repairs will occur at two sites for a total repair length of 800 feet including necessary transitions. The existing riverward slope will be regraded to a 2H:1V slope as shown on the design plans. A 12-inch layer of quarry spalls will be placed on the riverward embankment, and the slope will be armored with a 2-foot thick blanket of riprap. Some excavation and placement of repair materials will take place below the ordinary high water mark (OHWM). Slope armor will subsequently be placed and plated to the top of the riverward bench slope as indicated on the plans. Larger rock will either be placed and manipulated using the thumb attachment while the smaller rock will be transferred from the bucket to the levee slope using a pouring motion. The repair site will be transitioned to match the existing riverward slope alignment and elevation at the upstream and downstream ends. All construction work will adhere to the design plans. Willow bundles will be incorporated into the riprap above the OHWM in the repair areas.

The proposed repairs to the Tukwila Levee are along the Green River near the city of Tukwila, Washington. The Tukwila Levee is located along the left bank of the Green River, just upstream of its confluence with the Duwamish River at Tukwila, Washington. The Tukwila Levee is an urban flood control works that is typically 5 to 7 feet high on the landward side and constructed of earthen material, primarily sand and gravel. Riverward slopes are at 1.5 - 2.0H:1V, while landward slopes are at 2.0 - 5.0H:1V. Both slopes are covered with sod, and riprap armor is provided along the riverward slope. The Levee crest ranges from 12 to 20 feet wide and is surfaced with asphalt pavement or gravel. In an undamaged state, the Levee provides a 100-year level of protection against flooding to commercial and industrial properties and associated infrastructure. This levee system is a non-federally constructed, operated, and maintained levee system.

Pursuant to Section 307(c)(3) of the Coastal Zone Management Act of 1972 as amended, Ecology concurs with the Corps' determination that the proposed work is consistent with Washington's CZMP. The proposed action was reviewed for consistency under the applicable enforceable policies found in the state Shoreline Management Act, the State Water Pollution Control Act, and the Washington Clean Air Act. The enforceable policies of the Ocean Resources Management Act and the Marine Spatial Plan for Washington's Pacific Coast were not applicable to this proposal.

If you have any questions regarding Ecology's decision, please contact Teresa Pucylowski at (360) 764-0546.

Your right to appeal

You have a right to appeal this decision to the Pollution Control Hearings Board (PCHB) within 30 days of the date of receipt. 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 notice of appeal and a copy of this decision with the PCHB (see filing options below). "Filing" means actual receipt by the PCHB during regular business hours as defined in WAC 371-08-305 and -335. "Notice of appeal" is defined in WAC 371-08-340.
- Serve a copy of your notice of appeal and this decision on the Department of 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.

Filing an appeal

Filing with the PCHB

For the most current information regarding filing with the PCHB, visit: <https://elaho.wa.gov/> or call: 360-664-9160.

Service on Ecology

Street Addresses:

Department of Ecology
Attn: Appeals Processing Desk
300 Desmond Drive SE
Lacey, WA 98503

Mailing Addresses:

Department of Ecology
Attn: Appeals Processing Desk
PO Box 47608
Olympia, WA 98504-7608

E-Mail Address:

ecologyappeals@ecy.wa.gov

Tukwila Non-Federal Levee Repair Project

Aquatics ID No. 143291

January 30, 2024

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Sincerely,

A handwritten signature in black ink that reads "Loree Randall". The signature is written in a cursive style with a large initial "L".

Loree' Randall, Section Manager
Aquatic Permitting & Protection Section
Shorelands and Environmental Assistance Program

Sent via e-mail: michael.erickson@usace.army.mil

E-cc: Benjamin Tice, Corps
Rebekah Padgett, Ecology
Teresa Pucylowski, Ecology
fedconsistency@ecy.wa.gov