



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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

August 31, 2023

Port of Tacoma
ATTN: Mark Rettmann
1 Sitcum Plaza
Tacoma, WA 98421

Re: Amendment to 401 Water Quality Certification Order No. 15952 for U.S. Army Corps of Engineers (Corps) Reference No. NWS-2011-0089, Programmatic Piling Repair project, within the Blair, Hylebos, and Sitcum Waterways, and Commencement Bay, Tacoma, Pierce County, Washington

Dear Mark Rettmann:

Enclosed is an amendment to Water Quality Certification Order No. 15952, issued on September 11, 2018, for the above project. All other conditions of Water Quality Certification No. 15952 remain in effect.

The purpose of this amendment is to extend the expiration date of the Water Quality Certification.

If you have any questions, please contact Sonia Mendoza at (360) 918-1342. The enclosed Amendment may be appealed by following the procedures described in the Amendment.

Sincerely,

Loree' Randall, Section Manager
Federal Permitting Section
Shorelands and Environmental Assistance Program

By certified mail: 9489 0090 0027 6383 6853 42

Sent via e-mail: mrettmann@portoftacoma.com

First Amendment to WQC Order No. 15952
Aquatics No. 129474, Corps No. NWS-2011-0089
August 31, 2023
Page 2 of 2

E-cc: Jacalen Printz, U.S. Army Corps of Engineers
ecyrefedpermits@ecy.wa.gov

In The Matter of Granting a Water Quality
Certification to Port of Tacoma
pursuant to 33 U.S.C. 1341 (FWPCA § 401), RCW 90.48.120, RCW
90.48.260 and Chapter 173-201A WAC

Port of Tacoma
Attn: Mark Rettmann
1 Sitcum Plaza
Tacoma, WA 98421

WQC Order No.	15952, First Amendment
Corps Reference No.	NWS-2011-0089
Site Location	Programmatic Piling Repair project located within the Blair, Hylebos, and Sitcum Waterways, and Commencement Bay, Tacoma, Pierce County, Washington.

On September 11, 2018, the Washington Department of Ecology (Ecology) issued a 401 Water Quality Certification to Port of Tacoma for the above-referenced project pursuant to the provisions of 33 U.S.C. 1341 (FWPCA § 401).

Ecology received a request on June 15, 2023, to extend the Water Quality Certification expiration date to get through the next in-water work window to finalize a Programmatic Maintenance permit application.

Order No. 15952 dated September 11, 2018, is hereby amended as follows:

I. Condition number C1 which reads:

This Order shall remain in effect for a period of five (5) years from the date of issuance. Continuing this project beyond the five-year term of this Order will require the Applicant to submit a request for an extension at least 60 days prior to the expiration of this Order.

Is replaced with:

The Order will expire February 15, 2025.

No other conditions or requirements of the above referenced Order are affected by this amendment.

Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if it appears necessary to further protect the public interest.

Failure to comply with this amended Order may result in the issuance of civil penalties or other actions whether administrative or judicial, to enforce the terms of this amended Order.

Your right to appeal

You have a right to appeal this Order 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 Order:

- File your notice of appeal and a copy of this Order 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 Order on the Department of Ecology mail, in person, or by email (see addresses below).

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

Contact Information

Please direct all questions about this Order to:

Sonia Mendoza
Department of Ecology
(360) 918-1342
Sonia.Mendoza@ecy.wa.gov

More Information

- **Pollution Control Hearings Board Website**
<https://elaho.wa.gov>
- **Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board**
<http://app.leg.wa.gov/RCW/default.aspx?cite=43.21B>
- **Chapter 371-08 WAC – Practice and Procedure**
<http://app.leg.wa.gov/WAC/default.aspx?cite=371-08>
- **Chapter 34.05 RCW – Administrative Procedure Act**
<http://app.leg.wa.gov/RCW/default.aspx?cite=34.05>

Signature

Dated this 31st day of August, 2023, at the Department of Ecology, Lacey, Washington.



Loree' Randall, Section Manager
Federal Permitting Section
Shorelands and Environmental Assistance Program

IN THE MATTER OF GRANTING A)	ORDER No. 15952
WATER QUALITY)	Corps Reference No. NWS- 2011-0089-WRD
CERTIFICATION TO)	Programmatic Piling Repair Project within,
Port of Tacoma)	Blair, Hylebos, and Sitcum Waterways, and
in accordance with 33 U.S.C. 1341)	Commencement Bay, Tacoma, Pierce County,
(FWPCA § 401), RCW 90.48.120, RCW)	Washington
90.48.260 and Chapter 173-201A WAC)	
)	
)	

TO: Port of Tacoma
ATTN: Ms. Jennifer Stebbings
PO Box 1837
Tacoma, WA 98401-1837

On November 15, 2017, the Port of Tacoma submitted a Joint Aquatic Resource Permit Application (JARPA) to the Department of Ecology (Ecology) requesting a Section 401 Water Quality Certification (WQC). The U.S. Army Corps of Engineers issued a joint public notice for the project pursuant to the provisions Chapter 173-225 WAC on March 15, 2018.

The Port of Tacoma proposes to conduct maintenance activities at 15 wharf/pier structures over a five year period. Work activities include the replacement of up to 200 piles per year (broken fender piles, dolphin piles, and/or support piling) and the associated pile caps, chocks, whalers, and rub strips. The structures are located at West Sitcum Terminal, Terminal 7 (A and B), East Sitcum Terminal, Husky Terminal, Washington United Terminal, Blair Dock, PCT, East Blair 1, Parcel 115, Tote, Trident, Parcel 99, Parcel 105, and Parcel 86 within the Port of Tacoma.

Concrete piles will be replaced with concrete piles and will be no greater than 24-inches in diameter. Treated-timber piles will be replaced with ACZA-treated timber piles no greater than 18-inches in diameter.

Existing damaged piles will be removed with a vibratory hammer or by pulling with a choke chain. Piles that break during extraction may be cut off at or below the mudline and the location would be capped with clean sand. Up to 120 cubic yards of clean sand may be placed per year. Up to 1,000 piles could be placed and up to 750 cubic yards of sand could be placed over the five year period.

The purpose of the proposed project is to maintain the function and structural integrity of the existing wharf/pier structures. This project does not include placement of additional structures or expansion of footprints.

The project is located on Port of Tacoma properties within the Hylebos, Blair, and Sitcum Waterways, and Commencement Bay, Tacoma, Pierce County, Washington; Northwest Quarter of Sections 34, Township 21 North, Range 3 East; WRIA 10, Puyallup-White Watershed.

AUTHORITIES:

In exercising authority under 33 U.S.C. §1341, RCW 43.21C.060, and RCW 90.48.260, Ecology has examined this application pursuant to the following:

1. Conformance with applicable water quality-based, technology-based, and toxic or pretreatment effluent limitations as provided under 33 U.S.C. Sections 1311, 1312, 1313, 1316, and 1317 (FWPCA Sections 301, 302, 303, 306, and 307).
2. Conformance with the state water quality standards contained in Chapter 173-201A WAC and authorized by 33 U.S.C. 1313 and by Chapter 90.48 RCW, and with other applicable state laws; and,
3. Conformance with the provision of using all known, available and reasonable methods to prevent and control pollution of state waters as required by RCW 90.48.010.

WATER QUALITY CERTIFICATION CONDITIONS:

Through issuance of this Order, Ecology certifies that it has reasonable assurance that the activity as proposed and conditioned will be conducted in a manner that will comply with applicable water quality standards and other appropriate requirements of state law. In view of the foregoing and in accordance with 33 U.S.C. § 1341, RCW 90.48.120, RCW 90.48.260, Chapter 173-200 WAC and Chapter 173-201A WAC, water quality certification is granted to the Applicant subject to the conditions within this Order.

Certification of this proposal does not authorize the Applicant to exceed applicable state water quality standards (Chapter 173-201A WAC), ground water standards (Chapter 173-200 WAC) or sediment quality standards (Chapter 173-204 WAC). Furthermore, nothing in this certification shall absolve the Applicant from liability for contamination and any subsequent cleanup of surface waters, ground waters or sediments occurring as a result of project construction or operations.

A. General Conditions:

1. For purposes of this Order, the term "Applicant" shall mean the Port of Tacoma and its agents, assignees and contractors.
2. All submittals required by this Order shall be sent to Ecology's Southwest Regional Office, Attn: Federal Permit Manager, SEA Program, PO Box 47775, Olympia, WA 98504-7775 or via e-mail to fednotification@ecy.wa.gov with a copy to Lori.kingsbury@ecy.wa.gov. All submittals shall reference Order No. **15952** and Corps No. **NWS-2011-0089-WRD** and include the Applicant name, project name, project contact, and the contact's phone number.

3. Work authorized by this Order is limited to the work described in the JARPA received by Ecology on November 15, 2017.
4. The Applicant shall obtain Ecology review and approval before undertaking any changes to the proposed project that may affect water quality and are not authorized by this Order.
5. Within 30 days of receipt of updated information, Ecology will determine if the revised project requires a new Water Quality Certification and Public Notice or if a modification to this Order is required.
6. This Order shall be rescinded if the U.S. Army Corps of Engineers does not issue a Section 404 permit.
7. Copies of this Order shall be kept on the job site and readily available for reference by Ecology personnel, the construction superintendent, construction managers and lead workers, and state and local government inspectors.
8. The Applicant shall provide access to the project site and all mitigation sites upon request by Ecology personnel for site inspections, monitoring, necessary data collection, and/or to ensure that conditions of this Order are being met.
9. Nothing in this Order waives Ecology's authority to issue additional orders if Ecology determines that further actions are necessary to implement the water quality laws of the state. Further, Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if additional impacts due to project construction or operation are identified (e.g., violations of water quality standards, downstream erosion, etc.), or if additional conditions are necessary to further protect water quality.
10. The Applicant shall ensure that all appropriate project engineers and contractors at the project site have read and understand relevant conditions of this Order and all permits, approvals, and documents referenced in this Order. The Applicant shall provide Ecology a signed statement (see Attachment A for an example) from each project engineer and contractor that they have read and understand the conditions of this Order and the above-referenced permit, plans, documents, and approvals. These statements shall be provided to Ecology before construction begins at the project site.
11. This Order does not authorize direct, indirect, permanent, or temporary impacts to waters of the state or related aquatic resources, except as specifically provided for in conditions of this Order.
12. Failure of any person or entity to comply with this Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

B. Water Quality Conditions:

1. This Order does not authorize temporary turbidity exceedances of water quality standards beyond the limits established in WAC 173-201A-210.
 - a. The area of mixing established for turbidity in marine waters is a radius of 150 feet from the in-water activity.
 - b. Turbidity must not exceed 10 NTU over background when the background is 50 NTU or less; or a 20 percent increase in turbidity when the background turbidity is more than 50 NTU.
 - c. pH shall be within the range of 6.5 to 9.0, with a human-caused variation within the above range of less than 0.5 units.
2. The Applicant shall conduct water quality monitoring as described in the approved *Final Water Quality Monitoring and Protection Plan (WQMPP)*, Port of Tacoma Programmatic Pile Repair and Replacement Project, prepared by Jenn Stebbings, Port of Tacoma, dated September 5, 2018.
3. Ecology must approve, in writing, any changes or additions to the WQMPP prior to implementation of the changes or additions.
4. Results of the water quality monitoring shall be documented in a report and submitted to Ecology's Federal Permit Manager weekly during the in-water work per condition A.2 of this Order.
5. If water quality exceedances are observed outside the point of compliance, work shall cease immediately and the Applicant or the contractor shall assess the cause of the water quality problem and take immediate action to stop, contain, correct the problem and prevent further water quality turbidity exceedances.
6. Notification of exceedances shall be made to Ecology **within 24 hours of occurrence**. Notification shall be made with reference to Order No. 15952 Attn: Federal Permit Manager by telephone at (360) 407-6926 or by e-mail to fednotification@ecy.wa.gov with a copy to Lori.kingsbury@ecy.wa.gov. The Applicant shall, at a minimum, provide Ecology with the following information:
 - a. A description of the nature, extent, and cause of the exceedance.
 - b. The period of non-compliance, including exact dates, duration, and times and/or anticipated time when the project will return to compliance.
 - c. The steps taken, or to be taken to reduce, eliminate, and prevent a recurrence of the non-compliance.
 - d. In addition, within five (5) days after the notification of the exceedance, the Applicant shall submit a written report to Ecology (per conditions A.2.) that describes the nature

of the exceedance(s), corrective action taken and/or planned, steps taken to prevent a recurrence, photographs, and any other pertinent information.

7. Mitigation and/or additional monitoring may be required if the monitoring results indicate that the water quality standards have not been met.

C. Timing Requirements:

1. This Order shall remain in effect for a period of five (5) years from the date of issuance. Continuing this project beyond the five-year term of this Order will require the Applicant to submit a request for an extension at least 60 days prior to the expiration of this Order.
2. In-water work window:
 - July 16 to February 14 of any year

D. Notification Requirements:

1. The Applicant shall provide a copy of the final Corps Permit to Ecology's Southwest Regional Office Federal Permit Manager (in accordance with Condition A.2, above) within two weeks of receipt of the permit.
2. Written notification (e-mail is preferred) shall be made to Ecology's Southwest Regional Office Federal Permit Manager in accordance with condition A2, above for the following activities:
 - a. At least ten (10) days prior to the onset of in-water work for each construction season;
 - b. Within ten (10) days after completing in-water work for each construction season;
 - c. Immediately following a violation of the state water quality standards or any condition of this Order;
 - d. The Applicant shall provide an annual report to Ecology by January 31 of the following year that includes the details of the piling repair work conducted in the previous year including location information, photos, details of any problems and how they were resolved, and a list of piling work that is planned for the next calendar year.

E. Project Specific Conditions:

General Construction

1. All work in and near waters of the state shall be done so as to minimize turbidity, erosion, and other water quality impacts. Construction stormwater, sediment, and erosion control Best Management Practices (BMP's) suitable to prevent exceedances of state water quality standards shall be in place at before starting maintenance work and shall be maintained throughout the duration of the maintenance activity.
2. Staging areas will be located a minimum of 50 feet from waters of the state, including wetlands. If a staging area must be located within 50 feet of waters of the state, then the

Applicant shall provide a written explanation (with additional BMPs) and obtain approval from Ecology's Federal Permit Manager before placing the staging area within the setback area.

3. No Stockpiling or staging of materials shall occur within the OHWM of any waterbody.
4. In order to prevent contamination to surface waters, machinery and equipment used during construction shall be serviced, fueled, and maintained on uplands a minimum of 100 feet from waters of the state including wetlands, unless otherwise approved by Ecology.
5. No petroleum products, fresh concrete, lime, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.
6. All equipment that will operate over or within waters of the state shall be free of external petroleum-based products. Accumulation of soils or debris shall be removed from the drive mechanisms and the undercarriage of equipment prior to use. Equipment shall be inspected daily for leaks, accumulation of grease, etc. Any identified problems shall be fixed before operating over or within waters of the state.
7. Wash water containing oils, grease, or other hazardous materials resulting from wash down of equipment or working area shall not be discharged into state waters. The Applicant shall establish a separate, contained area for washing down vehicles and equipment that does not have any possibility of draining to surface waters and/or wetlands.
8. All construction debris, concrete waste material, excess sediment, and other solid waste shall be properly managed and disposed of in an upland disposal site approved by the appropriate regulatory authority.
9. The Applicant shall have a boat available on site during in-and over-water work activities to manage booms and retrieve any debris that enters the water.
10. The Applicant shall ensure that fill material (sand) placed for the proposed project does not contain toxic material in toxic amounts.
11. The Applicant shall use tarps or other containment method when cutting, drilling, or removing biofouling over water to prevent sawdust, concrete rubble, and other debris from entering waters of the state.

Work In Potentially Contaminated Areas

12. Work proposed within or adjacent to an existing or previously designated Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) site shall be coordinated with the Puyallup Tribe and CERCLA agencies and any recommendations that result from that coordination implemented.

13. Work proposed within or adjacent to an existing or previously designated Model Toxics Control Act (MTCA) site shall be coordinated with Ecology and any recommendations from that coordination followed.
14. If contamination is discovered, it must be reported to Ecology (per Condition A2, above). Contaminated soils or water may require special handling and/or disposal to avoid water pollution during pile repair/replacement activities.

Pile Installation and Removal

15. The Applicant shall consider the best tidal conditions for piling removal that may result in the least amount of disturbance to in place sediment. If piling removal results in exceedance of turbidity at the compliance boundary, reconsider the timing of the removal to a more restricted timeframe. For example. The lowest practical tide condition or around slack water.
16. Vegetable-based hydraulic fluid shall be utilized in pile driving equipment.
17. New piling shall be ACZA-treated timber, or concrete. ACZA-treated timber shall comply with the Western Wood Preservers Institute BMPs.
18. New piling shall be installed using a vibratory hammer and may be proofed with an impact hammer. In some instances use of an impact hammer may be necessary for full installation.
19. If an impact hammer is used for pile installation or proofing, a suitable noise attenuation device (such as a bubble curtain or wood block) shall be used to protect marine life.
20. Rub strips shall be made of ultra-high molecular weight (UHMW) or high-density polyethylene (HDPE) plastic.
21. Hydraulic jetting devices shall **not** be used to place or remove piles or move sediment away from the piling.
22. A containment boom and oil-absorbent sausage booms shall be placed around the perimeter of the work area when removing creosote-treated piles to capture debris and other material. All accumulated debris shall be removed at least daily (and always prior to moving the boom) and disposed of at an approved upland disposal facility.
23. Piling shall be removed using vibratory methods or by pulling with a choke chain.
24. The operator shall "wake up" piling to be removed by vibrating it to break the skin friction bond between piling and sediment. This bond breaking will minimize turbidity in the water column as well as possibly breaking off the piling.
25. The work areas on barge decks or uplands shall include a containment basin for piles and any sediment/slurry associated with the pile removal. The containment basins shall have continuous sidewalls and be constructed in such a fashion to prevent any release of

contaminants or debris into waters of the state. Water/slurry remaining in the containment basins shall not be discharged into waters of the state.

26. Once removed from the substrate, piles shall be moved directly from the water into the containment basin and shall not be shaken, hosed-off, stripped or scraped off, left hanging to drip, or any other action intended to clean or remove adhering material from the pile.
27. If piles break during removal and cannot be extracted by mechanical means, the piling shall be cut off at or below mudline and capped with a nominal 6-inch cover of clean sand.
28. All piles that are cut off and not fully extracted shall have the locations identified with GPS and the coordinates documented in the annual report submitted to Ecology. (Per condition D.2.d. above.)
29. Extracted piles, excess sediment, all construction debris and other solid waste material shall be properly managed and disposed of in an approved upland disposal site.

Concrete Work

30. Spill protection measures shall be in place prior to any concrete delivery over water. All forms for any concrete structures shall be completely sealed off to prevent the possibility of fresh concrete entering waters of the state.
31. Concrete delivery systems shall be inspected daily to prevent any discharges of concrete and/or slurry water into waters of the state.
32. Concrete process water shall not enter waters of the state. Any concrete process/contact water discharged from a confined area with curing concrete shall be routed to upland areas to be treated and disposed of properly with no possible entry to waters of the state.

G. Emergency/Contingency Measures:

1. The Applicant shall develop and implement a Spill Prevention Control and Countermeasure (SPCC) Plan for all aspects of this project and shall have adequate and appropriate spill response materials on hand to respond to emergency release of petroleum products or any other material to waters of the state.
2. Any work that is causing distressed, dead, or dying fish; or any discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, is prohibited. If these occur, the Applicant or Operator shall immediately take the following actions:
 - a. Cease operations that are causing the compliance problem.
 - b. Assess the cause of the water quality problem and take appropriate and immediate measures to correct the problem and/or prevent further environmental damage.

- c. In the event of finding distressed, dead, or dying fish, the Applicant or Operator shall collect fish specimens and water samples in the affected area within the first hour of the event. These samples shall be held in refrigeration or on ice until instructed by Ecology on what to do with them. Ecology may require analysis of these samples before allowing the work to resume.
 - d. In the event of a discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, containment and cleanup efforts shall begin immediately and be completed as soon as possible, taking precedence over normal work. Cleanup shall include proper disposal of any spilled material and used cleanup materials.
 - e. Immediately notify Ecology's 24-Hour Spill Response Team at 1-800-645-7911 and within 24 hours of spills or other events to Ecology's Federal Permit Manager at (360) 407-6926 or (360) 407-6300.
 - f. Submit a detailed written report to Ecology within five (5) days that describes the nature of the event, corrective action taken and/or planned, steps taken to prevent recurrence, results from any samples taken, and any other pertinent information.
3. Fuel hoses, oil drums, oil or fuel transfer valves and fittings, etc., shall be checked regularly for drips or leaks, and shall be maintained and stored properly to prevent spills into state waters.
 4. If at any time during work the Applicant finds buried chemical containers, such as drums, or any unusual conditions indicating disposal of chemicals, the proponent shall immediately notify Ecology using the above phone numbers.

YOUR RIGHT TO APPEAL

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. 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 the following within 30 days of the date of receipt of this Order:

- File your appeal and a copy of this Order 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 Order 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 Pollution Control Hearings Board 1111 Israel Rd SW, Suite 301 Tumwater, WA 98501	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608 Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

CONTACT INFORMATION

Please direct all questions about this Order to:

Lori Kingsbury
Department of Ecology
Southwest Regional Office
P.O. Box 47775
Olympia, WA 98504-7775
Lori.kingsbury@ecy.wa.gov

MORE INFORMATION

Pollution Control Hearings Board Website

www.cho.wa.gov/Boards_PCHB.aspx

Chapter 43.21B RCW - Environmental Hearings Office – Pollution Control Hearings Board

<http://apps.leg.wa.gov/RCW/default.aspx?cite=43.21B>

Chapter 371-08 WAC – Practice and Procedure

<http://apps.leg.wa.gov/WAC/default.aspx?cite=371-08>

Chapter 90.48 RCW – Water Pollution Control

<http://apps.leg.wa.gov/RCW/default.aspx?cite=90.48>

Chapter 173.204 WAC – Sediment Management Standards

www.ecy.wa.gov/biblio/wac173204.html

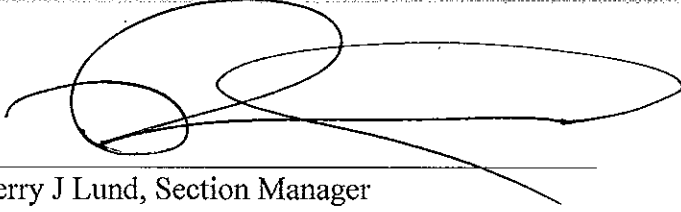
Chapter 173-200 WAC – Water Quality Standards for Ground Waters of the State of Washington

www.ecy.wa.gov/biblio/wac173200.html

Chapter 173-201A WAC – Water Quality Standards for Surface Waters of the State of Washington

www.ecy.wa.gov/biblio/wac173201A.html

SIGNATURE

A handwritten signature in black ink, consisting of a large, stylized 'P' followed by a horizontal line and a long, sweeping underline.

Perry J Lund, Section Manager
Shorelands and Environmental Assistance Program
Southwest Regional Office

9/11/2018

Date