STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
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August 19, 2013

Port of Kalama
Mark Wilson
308 West Marine Drive
Kalama, Washington 98625

RE: Water Quality Certification - Order #10084 Corps NWP-1994-462-1, Port of Kalama Maintenance Dredging in Cowlitz County, Washington

Dear Mr. Wilson:

The above-referenced public notice for proposed work in waters of the state has been reviewed in accordance with all pertinent rules and regulations. On behalf of the State of Washington, we certify that the work proposed in the public notice complies with applicable provisions of Sections 301, 302, 303, 306 and 307 of the Clean Water Act, as amended, and other appropriate requirements of State law. This certification is subject to the conditions contained in the enclosed Order and may be appealed by following the procedures described in the Order.

If you have any questions concerning the content of this letter, please contact Laura Inouye at (360) 407-6165.

Sincerely,

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

by Certified Mail 7010 2780 0000 2503 3655

Enclosures

cc: Tom Taylor, Corps
Anne Friesz, WDFW

ecc: Loree' Randall, Ecology (SEA)
Laura Inouye, Ecology (SEA)
Marion Abbett, Ecology (TCP)
Rebecca Schroeder, Ecology (SWRO)
ecyrefedpermits@ecy.wa.gov

IN THE MATTER OF GRANTING A WATER QUALITY CERTIFICATION TO Port of Kalama in accordance with 33 U.S.C. 1341 (FWPCA § 401), RCW 90.48.120, RCW 90.48.260 and Chapter 173-201A WAC	)))))))	**ORDER #10084** **Corps Reference No.** NWP-1994-462-1 Port of Kalama, Maintenance Dredging in Cowlitz County, Washington

TO: Port of Kalama
Attn: Mark Wilson
308 West Marine Drive
Kalama, Washington 98625

On February 12, 2013 the Port of Kalama (Port) submitted a Joint Aquatic Resources Permit Application (JARPA) to the Department of Ecology (Ecology) requesting a Section 401 Water Quality Certification. A joint public notice regarding the request was distributed by the Army Corps of Engineers (Corps) for the above-referenced project pursuant to the provisions of Chapter 173-225 WAC on April 8, 2013.

The Port of Kalama (Port) proposes the following:

1. Conducting (a) maintenance dredging at the TEMCO [formerly United Harvest], and North Port terminals to -48 feet Columbia River Datum (CRD) with a 2-foot overdredge allowance and at Kalama Export to -43 feet CRD with a 3-foot overdredge allowance; (b) maintenance dredging at the public marina to maintain the authorized depth of -10 + 3 feet CRD; and (c) placement of the dredged material at approved Port-owned upland placement sites for re-use (i.e., Knife River, Marina, or Southport sites), and at the Ross Island Sand and Gravel (RISG) disposal site in Portland, Oregon.

2. Increasing the authorized dredge quantity from the present 630,000 cubic yards (cy) through 2019 to a total of 2.1 million cy for the four Port sites for a 10-year Corps permit (2013-2023);

3. In addition to currently authorized upland placement site(s), authorizing dredged material placement at the following locations: (a) flow-lane placement at an Oregon site to restore sediment at a deep scourhole associated with pile dike 77.53 M; (b) flow-lane placement at Washington site to restore sediment at a deep scour hole associated with pile dike 75.63; and (c) beneficial reuse as beach nourishment at the Port's shoreline park (Louis Rasmussen Day Use Park) at RM 76. The latter activity generally consists of placing dredged material at the location of an actively eroding beach and below the Corps Ordinary High Water Mark (OHWM) (i.e., elevation 12.0 feet CRD) via hydraulic dredge pipeline.

4. Extending work hours to allow nighttime activities to offset possible schedule limitations resulting from a modified in-water work window period.

5. Conducting work (i.e., dredging and dredge material placement) between approximately August 1 and August 31 at the TEMCO berth and between October 1 and December 31 at all remaining sites – all beginning in 2013. Maintenance dredging and dredge material placement likely will continue to be completed using pipeline hydraulic (cutterhead) dredging methods. Mechanical (clamshell) bucket dredging methods also may be employed. For all methods, dredged materials will be placed on a barge and transported to the in-water, beach nourishment, or approved upland sites.

AUTHORITIES:
In exercising authority under 33 U.S.C. § 1341, RCW 90.48.120, 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. §1311, 1312, 1313, 1316, and 1317 (FWPCA § 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 meet the 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. In this Order, the term "Applicant" shall mean the Port of Kalama and its agents, assignees and contractors.

2. All submittals required by this Order shall be sent to Ecology's Headquarters Office, Attn: Federal Permit Coordinator, P.O. Box 47600 Olympia, WA 98504-7600 and/or lino461@ecy.wa.gov. Any submittals shall reference Order #10084 and Corps Reference # NWP-1994-462-1.

3. All notifications listed below shall be made via phone to Laura Inouye at (360) 407-6165 or e-mail at lino461@ecy.wa.gov. These notifications shall be identified with Order #10084 and include the Applicant's name, the project contact, and the contact's phone number.

   a. At least ten (10) days prior to conducting initial in-water work activities for each in-water work window.
   b. Within at least seven (7) days after completion of the in-water work.

4. Work authorized by this Order is limited to the work described in the Joint Aquatic Resources Permit Application (JARPA) received by Ecology on February 25, 2013, unless otherwise authorized by Ecology.

5. The Applicant shall obtain Ecology review and approval before undertaking any changes to the proposed project that might significantly and adversely affect water quality, other than those project changes required by this Order.

6. Within 30 days of receipt of the updated information, Ecology will determine if the revised project requires a new public notice and Certification or if a modification to this Order is required.

7. This Order shall be rescinded if the U.S. Army Corps of Engineers does not issue an individual 404 and/or Section 10 permit for the project.

8. The Applicant shall send (per A.2.) a copy of the final Section 404 Corps permit to Ecology' Federal Project Manager within two weeks of receiving it from the Corps.

9. The Applicant shall keep copies of this Order 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.

10. Upon Ecology personnel's request, the Applicant shall provide access to the project site, all staging areas, and mitigation sites for site inspections, monitoring, necessary data collection, and/or to ensure that conditions of this Order are being met.

11. 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. Furthermore, Ecology retains continuing jurisdiction to make modifications hereto through supplemental order, if additional impacts due to project construction or operation are identified or if additional conditions are necessary to further protect water quality.

12. In the event of changes or amendments to the state water quality, ground water quality, or sediment standards, or changes in or amendments to the state Water Pollution Control Act (RCW 90.48), or the federal Clean Water Act, Ecology will issue an administrative order to incorporate any such changes or amendments applicable to this project.

13. 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 permits, plans, documents and approvals. These statements shall be provided to Ecology before construction begins at the project.

14. 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.

15. 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 its terms.

16. This Order will automatically transfer to a new owner or operator if:

    a. A written agreement between the Applicant and new owner or operator with the specific transfer date of the Order's obligations, coverage, and liability is submitted to Ecology per condition A.2.;
    b. A copy of this Order is provided to the new owner or operator; and
    c. If Ecology does not notify the new Applicant that this Order must be modified to complete the transfer.

B. Water Quality Conditions

1. This order does not authorize temporary exceedances of water quality standards beyond the limits established in WAC 173-201A-200(1)(e)(i)(C).

    - The area of mixing established for fresh waters is a 300 feet downstream of the in-water activity. Turbidity occurring outside that zone that is more than 5 nephelometric turbidity units (NTU) over background when the background is 50

NTU or less, or a 10% increase in turbidity when the background turbidity is more than 50 NTU is a violation of the turbidity water quality standard.

- Visible turbidity anywhere at 300 ft point of compliance from the activity and/or the disposal location shall be considered to be an exceedance of the standard.

C. Water Quality Monitoring

1. The Applicant shall submit a water quality monitoring plan for physical monitoring to Ecology per Condition A2 at least 14 days prior to dredging the public marina. This plan shall be approved by Ecology prior to any in-water work. The plan shall include at a minimum the following information:

    a. Name and contact information of the person or firm responsible for monitoring;
    b. Map of sample locations including background, an early warning point, and point of compliance at or near the surface, midway, and bottom depths. For this project the point of compliance is 300 feet downstream of the in water activity.
    c. Parameter(s) to be monitored: turbidity
    d. Sample method;
    e. Frequency, and
    f. Steps to be taken if monitoring results indicate an elevation at the early warning point, or if an exceedance has occurred. The amount of the exceedance and the reason for the exceedance shall also be reported.

2. For the remaining dredge locations (TEMCO, North Port, and Kalama Export), the Applicant shall submit a water quality monitoring plan for visual monitoring to Ecology per Condition A2 at least 14 days prior to dredging. This plan shall be approved by Ecology prior to any in-water work. The plan shall include at a minimum the following information:

    a. Name and contact information of the person or firm responsible for monitoring;
    b. Map of sample locations including background, an early warning point, and point of compliance. For this project the point of compliance is 300 feet downstream of the in water activity.
    c. Parameter(s) to be monitored: turbidity
    d. Sample method;
    e. Frequency, and
    f. Steps to be taken if monitoring results indicate an elevation at the early warning point, or if an exceedance has occurred. The amount of the exceedance and the reason for the exceedance shall also be reported.

3. Turbidity monitoring reports shall be sent weekly to the 401/CZM Federal permit coordinator (condition A2). The permit coordinator shall be contacted within 24 hours if an exceedance occurs.

D. Dredging and Disposal:

1. A pre-dredge meeting is required to be convened prior to the start of each dredging season. A **Dredging Plan, Disposal Plan (condition D4), Water Quality Monitoring Plan (conditions C1 and C2), and Post-Dredge Sampling Plan (condition D10)** are required and shall be submitted to Ecology to the 401/CZM Federal permit coordinator at the address shown in Condition A2 for review and approval at least **3 weeks prior to the pre-dredge meeting**.

2. All dredging is to be done using a mechanical or hydraulic dredge. **Use of any other type of dredge requires preapproval from Ecology.**

3. Dredged material must be covered under a suitability determination memorandum from the Portland Sediment Review Team (PSET). The dredge material was evaluated by the PSET, and the results and timing for re-characterization of the material are summarized in the PSET memo dated July 11, 2013. All material is suited for in-water disposal or in-water beneficial re-use except the public marina.

4. Dredged material from the public marina is not approved for in-water placement and must be placed at an approved upland site. For these areas, the dredge plan and water quality monitoring plan shall contain BMPs for managing return water. These plans shall be submitted to Ecology to the 401/CZM Federal permit coordinator at the address shown in Condition A2 for review and approval 3 weeks prior to the pre-dredge meeting (condition D1). The following conditions shall also apply:
    a. The dredge plan shall provide information on the upland disposal location, and documentation of coordination of placement from the appropriate entities.
    b. Proper Best Management Practices (BMPs) will be installed to protect surface waters. These shall be provided to Ecology prior to the pre-dredge meeting (condition D1).
    c. Transloading plans and BMPs must be provided to Ecology prior to the pre-dredge meeting (condition D1).

5. For material being taken to in-water disposal sites, all debris (larger than 2 feet in any dimension) shall be removed from the dredged sediment prior to disposal. Similar sized debris found floating in the dredging or disposal area shall also be removed.

6. Dredging operations shall be conducted in a manner that minimizes the disturbance or siltation of adjacent waters and prevents the accidental discharge of petroleum products, chemicals or other toxic or deleterious substances into waters of the State.

7. Dredged material shall not be stockpiled on a temporary or permanent basis below the ordinary high water line.

8. During dredging, the Applicant shall have a boat available on site at all times to retrieve debris from the water.

9. Construction BMPs will be employed to control erosion sedimentation, runoff, turbidity, stormwater, and accidental spills.

10. Post-dredge sampling is required for some locations to confirm antidegradation is met. These areas include Kalama Export and the public marina, unless a sand cover is placed in the marina. Prior to dredging, the Applicant shall submit post-dredge sampling plans submitted to Ecology to the 401/CZM Federal permit coordinator at the address shown in Condition A2 for review and approval.

E. Timing Requirements:

1. All in-water work shall be completed by the work window identified in the most current HPA issued for this project. Any project change that requires a new or revised HPA should also be sent to Ecology for review.

2. This Order shall remain in effect for a period of 5 years from date of issuance. Continuing this project beyond the 5 year term of this Order will require separate certifications every 5 years.

F. Notification Requirements:

1. The Applicant shall provide notice to Ecology's 401/CZM Federal permit coordinator at least 7 days prior to the start of dredging and within 14 days after completion of dredging each season. Notification should be made using all the information required in Condition A2.

G. Emergency/Contingency Measures:

1. The Applicant shall develop a spill prevention and containment plan for this project, and shall have spill cleanup materials and an emergency call list available on site.

2. Any work that is out of compliance with the provisions of this Order, or conditions causing distressed 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 measures to correct the problem and/or prevent further environmental damage.

c. In the event of finding distressed or dying fish, the applicant 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 the applicant is instructed by Ecology on what to do with them. Ecology may require analyses 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 1-800-258-5990, **and** within 24 hours of spills or other events Ecology's 401/CZM Federal permit coordinator at (360) 407-6165.

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 to be taken to prevent a recurrence, results of 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, including wetlands.

4. If at any time during work the proponent 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 all of 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 STE 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:

Laura Inouye
Department of Ecology
P.O. Box 47600
Olympia, WA 98503-7600

360-407-7503
lino461@ecy.wa.gov

MORE INFORMATION

- **Pollution Control Hearings Board Website**
  www.eho.wa.gov/Boards_PCHB.aspx
- **Chapter 43.21B RCW - Environmental and Land Use 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 34.05 RCW – Administrative Procedure Act**
  http://apps.leg.wa.gov/RCW/default.aspx?cite=34.05
- **Chapter 90.48 RCW – Water Pollution Control**
  http://apps.leg.wa.gov/RCW/default.aspx?cite=90.48
- **Chapter 173.204 Washington Administrative Code (WAC) Sediment Management Standards**
  http://www.ecy.wa.gov/biblio/wac173204.html

- **Chapter 173-200 WAC Water Quality Standards for Ground Waters of the State of Washington**
  http://www.ecy.wa.gov/biblio/wac173200.html
- **Chapter 173-201A WAC Water Quality Standards for Surface Waters of the State of Washington**
  http://www.ecy.wa.gov/biblio/wac173201A.html

SIGNATURE

Dated this August 19, 2013, at the Department of Ecology, Lacey Washington

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

ATTACHMENT A

Port of Kalama
Maintenance Dredge
Water Quality Certification Order #10084

Statement of Understanding of
Water Quality Certification Conditions

I have read and understand the conditions of Order #10084 Section 401 Water Quality Certification for the Port of Kalama maintenance dredge. I have also read and understand all permits, plans, documents, and approvals associated with the project referenced in this order.

_____ _____
Signature Date

_____
Print Name

_____
Company

_____
Title