



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

January 31, 2014

City of Tacoma Public Works
ATTN: Dan Seabrands
747 Market Street, Room 520
Tacoma, WA 98402

RE: Water Quality Certification Order No. **10462** for Corps Public Notice No.
NWS-2011-00183 for the Titlow Beach Seawall Repair, in the Tacoma Narrows
Strait of Puget Sound, Pierce County, Washington

Dear Mr. Seabrands:

On February 13, 2013, the City of Tacoma Public Works Department submitted a Joint Aquatic Resource Permit Application (JARPA) to the Department of Ecology (Ecology) for a Section 401 Water Quality Certification (401 Certification) under the federal Clean Water Act to repair the Titlow Beach Seawall. The U.S. Army Corps of Engineers issued a joint public notice on February 11, 2013 for the proposed project.

On behalf of the State of Washington, Ecology certifies that the work described in the JARPA and the public notice complies with applicable provisions of Sections 301, 302, 303, 306 and 307 of the Clean Water Act, as amended, and applicable state laws. This certification is subject to the conditions contained in the enclosed Order.

If you have any questions, please contact Lori Ochoa at (360) 407-6926. The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,

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

Enclosure

By Certified Mail 7011 3500 0003 5810 5915



cc: Karen Urelius, Corps of Engineers
Leonard Machut, WDFW
Lisa Spadoni, City of Tacoma
Gary Maynard, Parametrix

e-cc: ecyrefedpermits@ecy.wa.gov
Loree' Randall, Ecology HQ/SEA
Alex Callender, Ecology SWRO/SEA
Lori Ochoa, Ecology SWRO/SEA

IN THE MATTER OF GRANTING A) ORDER No. 10462
WATER QUALITY) Corps Reference No. NWS-2011-00183
CERTIFICATION TO) For the Titlow Beach Seawall Repair, Tacoma
the City of Tacoma) Narrows Strait of Puget Sound, Pierce County,
in accordance with 33 U.S.C. 1341.) Washington.
(FWPCA § 401), RCW 90.48.120, RCW)
90.48.260 and Chapter 173-201A WAC)

TO: City of Tacoma
Engineering Division
ATTN: Dan Seabrands
747 Market Street
Tacoma, WA 98402

On February 13, 2013, the City of Tacoma, Engineering Division submitted a Joint Aquatic Resource Permit Application (JARPA) to the Department of Ecology (Ecology) requesting a Section 401 Water Quality Certification. A public notice for a proposed Water Quality Certification from Ecology was distributed by the U.S. Army Corps of Engineers for the above-referenced project pursuant to the provisions Chapter 173-225 WAC on February 11, 2013.

The Applicant commenced construction to repair the Titlow Beach Seawall without first obtaining necessary state and federal authorizations. The Applicants were instructed to stop work by the Washington Department of Fish and Wildlife. The Applicant has stopped work and applied for the necessary approvals.

The overall project proposal included:

- Fill existing seawall voids with structural grout to ensure stability along 60 linear feet of a deteriorated concrete block seawall;
- Place sheet piles two feet in front of existing wall to a height of five feet above beach level;
- Backfill behind the sheet pile wall with crushed rock and place a six-inch concrete cap.

Completed unauthorized work:

- Hand placement of structural grout in the voids in the seawall;
- Temporary relocation of large boulders from area in front of the seawall;
- Installation of a ten foot-high steel sheet pile wall (buried five feet below beach level);
- Installation of concrete wall ends;
- Placement of twenty-six cubic yards of gravel to backfill behind the sheet pile wall.

Remaining work proposed:

- Place a remainder of approximately four cubic yards of gravel to backfill behind the seawall;
- Complete the concrete seawall cap, which will be poured-in-place, making the existing sheet pile wall about six inches higher than it is currently;
- Placement of beach nourishment water-ward of the seawall.

The purpose of the project is to stabilize the existing seawall from further erosion and protect the roadway above it from collapse.

As mitigation for project impacts, the applicant will remove all debris and deleterious material from the project area and place at least 575 square feet of beach nourishment gravel from the waterward edge of the seawall to a tidal elevation of six feet MLLW. The gravel will spread along the entire length of the bulkhead, water-ward for a distance of nine (9) linear feet to a uniform depth of six inches. One cubic yard of gravel shall be required for every six (6) linear feet of bulkhead.

The project is located along the City of Tacoma right-of-way of at the northeast corner of 8806 6th Avenue shoreward of the intersection with Wilton Road in Tacoma, Pierce County, Washington; NE Quarter, Section 4, Township 20 North, Range 2 East, WRIA 12, Chambers-Clover Watershed.

AUTHORITIES:

In exercising authority under 33 U.S.C. 1341, 16 U.S.C. 1456, 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. Sections 1311, 1312, 1313, 1316, and 1317 (FWPCA Sections 301, 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 not violate 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 City of Tacoma and its agents, assignees and contractors.
2. For purposes of this Order, all submittals required by its conditions shall be sent either by regular mail to Ecology's Southwest Regional Office, Attn: Federal Permit Manager, SEA Program, P.O. Box 47775, Olympia, WA 98504-7775 or via e-mail to loch461@ecy.wa.gov. Any submittals shall reference Order No. **10462** and Corps No. **NWS-2011-00183**.
3. Work authorized by this Order is limited to the work described in the JARPA received by Ecology on February 13, 2013. The Applicant will be out of compliance with this Order and must reapply with an updated application if the information contained in the JARPA is voided by subsequent changes to the project not authorized by this Order.
4. Within 30 days of receipt of an updated JARPA 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.
5. This Order shall be rescinded if the U.S. Army Corps of Engineers does not issue a Section 404 permit.
6. 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.
7. 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.
8. 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 orders, 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.
9. 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.

10. 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.
11. 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. The Tacoma Narrows Strait of Puget Sound is classified as "Extraordinary" and the criteria of that classification applies as described in WAC 173-201A-210(1) except as specifically modified by this Order.
2. This Order does not authorize the Applicant to exceed applicable state water quality standards for turbidity as described in WAC 173-201A-210(1)(e)(i). For this project, the following is considered to be an exceedance of the standard:
 - a. 5 NTU over background turbidity when the background turbidity is 50 NTU or less, or more than a ten (10) percent increase in turbidity when the background turbidity is more than 50NTU.
 - b. The point of compliance shall be at a radius of 150 feet from the activity causing the turbidity exceedance.
3. During and immediately after project construction, the Applicant or their contractor shall monitor for turbidity discharges at the point of compliance. A turbidimeter is recommended; however, visual gauging and photo documentation of turbidity is acceptable.
4. If water quality exceedances are observed outside of 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/or prevent further water quality turbidity exceedances. If an exceedance occurs, the Applicant shall follow the protocols and notification procedures below:
 - a. Notification of exceedances that are detected through water quality monitoring shall be made to Ecology within 24 hours of occurrence. Notification shall be made per Condition A2 above. The Applicant shall, at a minimum, provide Ecology with the following information:
 - i. A description of the nature and cause of non-compliance, including the quantity and quality of any unauthorized discharges;
 - ii. The period of non-compliance, including exact dates, duration, and times and/or the anticipated time when the Applicant will return to compliance; and,
 - iii. The steps taken, or to be taken, to reduce, eliminate, and prevent recurrence of the non-compliance.

- iv. In addition, within five (5) days after notification of an exceedance, the Applicant shall submit a written report to Ecology that describes the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, photographs, and any other pertinent information.
4. Mitigation and/or additional monitoring may be required if water quality standards are not met.

C. Timing:

1. This Order expires five (5) years from the date of issuance of the Corps permit.
2. In-water work shall be subject to the timing limitations imposed by the most current Hydraulic Project Approval (HPA) issued by Washington Department of Fish and Wildlife (WDFW) for this project.

D. Notification Requirements:

1. The Applicant shall provide a copy of the final Corps Permit to Ecology's Southwest Regional Office Federal Permit Manger, in accordance with condition A.2 above, within two (2) weeks of receipt of the permit.
2. Written notification (FAX, e-mail, or mail) shall be made to Ecology's Southwest Regional Office Federal Permit Manager in accordance with condition A.2 above for the following activities:
 - a. At least ten (10) days prior to the onset of work for each construction season.
 - b. Within ten (10) days after completion of construction for each construction season.
 - c. Immediately following a violation of the state water quality standards or any condition of this Order.
3. If project construction is not completed within 13 months of issuance of this Order, the Applicant shall submit a written construction status report. Status reports shall be submitted every 12 months thereafter until project construction is complete.

NOTE: These notifications shall include the Applicant's name, project name, Order No. **10462**, Corps Reference No. **NWS-2011-00183**, project location, contact name, and contact's phone number.

E. Conditions for In-Water and Over-Water Construction Activities:

1. Project activities shall occur during low tide when the project area is in the dry.
2. Construction stormwater, sediment, and erosion control Best Management Practices (BMP's) suitable to prevent exceedances of state water quality standards shall be in place before starting construction at the site.
3. Sediment and erosion control measures shall be inspected and maintained prior to and throughout project implementation.
4. All work in and near the water shall be done so as to minimize turbidity, erosion, and other water quality impacts.

5. Equipment used for this project shall be operated from the landward side of the project.
6. Project activities shall be conducted to minimize siltation of the beach area and bed.
7. During construction, the Applicant shall have a boat available on site at all times to retrieve any debris that enters the water.
8. Machinery and equipment used during construction shall be serviced, fueled, and maintained on uplands at least 100 feet from any surface waters in order to prevent contamination from entering waters of the state.
9. The project area shall be clearly marked/staked prior to construction. Clearing limits, travel corridors, and stockpile sites shall be clearly marked. Equipment shall enter and operate only within the marked corridors and stockpile areas.
10. Clean Fill Criteria: Applicant shall ensure that fill (soil) placed for the proposed project does not contain toxic materials in toxic amounts.
11. Cast in place, wet concrete/grout shall be prevented from entering waters of the state. Forms for any concrete/grout structure shall be constructed to prevent leaching of wet concrete/grout. Impervious material shall be placed over any exposed concrete/grout not lined with forms that will come in contact with waters of the state. Forms and impervious materials shall remain in place until the concrete/grout is cured.
12. All debris removal from the project area shall be properly managed and disposed of in an upland disposal site so that it cannot cause water quality degradation to state waters.

G. Emergency/Contingency Measures:

1. The applicant shall develop and implement a Spill Prevention and Containment Plan for all aspects of this project.
2. The Applicant shall have adequate and appropriate spill response materials on hand to respond to emergency release of petroleum products or any other material into waters of the state.
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. Any work that is out of compliance with the provisions of this Order, or any discharge of oil, fuel, or chemicals into state waters, including wetlands, or onto land with a potential for entry into state waters, is prohibited. If these situations occur, the operator shall immediately take the following actions:
 - a. Cease operations at the location of the violation or spill.
 - 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 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.

- d. Notify Ecology of the failure to comply. All oil spills shall be reported immediately to Ecology's 24-Hour Spill Response Team at 1-800-258-5990 and within 24 hours of spills or other events to Ecology's Southwest Regional Office Federal Permit Manager at (360) 407-6926 or (360) 407-6300.
- e. 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.

Compliance with this condition does not relieve the Applicant from responsibility to maintain continuous compliance with the terms and conditions of this Order or the resulting liability from failure to comply.

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
<p>Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503</p> <p>Pollution Control Hearings Board 1111 Israel Rd SW STE 3017 Tumwater, WA 98501</p>	<p>Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608</p> <p>Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903</p>

CONTACT INFORMATION

Please direct all questions about this Order to:

Lori Ochoa
Department of Ecology
Southwest Regional Office
P.O. Box 47775
Olympia, WA 98504-7775
loch461@ecy.wa.gov

MORE INFORMATION

Pollution Control Hearings Board Website

www.eho.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

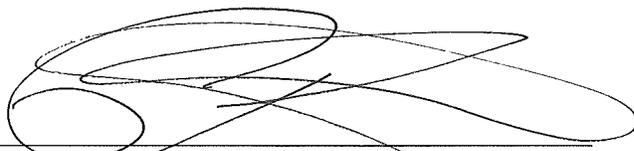
Chapter 173-200 WAC – Water Quality Standards for Ground Waters of the State of Washington

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



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

Date

1/31/2014

Attachment A

The City of Tacoma, Engineering Division
Titlow Beach Seawall Repair
Order No. **10462**
Corps Reference No. NWS-2011-00183
Statement of Understanding
Water Quality Certification Conditions

I, _____, state that, I will be involved as an agent or contractor for the City of Tacoma in the repair of the Titlow Beach Seawall located along the Tacoma Narrows of Puget Sound at the northeast corner of 8806 6th Avenue, shoreward of the intersection with Wilton Road, Tacoma, Pierce County, Washington. I further state that I have read and understand the relevant conditions of the Washington Department of Ecology Water Quality Certification Order No. **10462** and the applicable permits and approvals referenced therein which pertain to the project-related work for which I am responsible.

Signature

Date

Title

Phone

Company

