



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

P.O. Box 47600 • Olympia, Washington 98504-7600  
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

December 12, 2011

Northwest Alloys, Inc.  
Attn: Mark Stiffler  
201 Isabella St.  
Pittsburgh PA 15212

Millennium Bulk Terminals Longview, LLC  
Attn: Kristin Gaines  
P.O. Box 2098  
4029 Industrial Way  
Longview, WA 98632

RE: Water Quality Certification - Order #8901/Corps Public Notice # NWS-2010-1220 -  
Dredging of up to 31,300 cubic yards of accreted sediment, 63 piling replacement and  
conduct associated pier repairs and Maintenance activities, Columbia River at Longview,  
Cowlitz County, Washington

Dear Mr. Stiffler and Ms. Gaines:

On July 21, 2011 Northwest Alloys, Inc and Millennium Bulk Terminals Longview, LLC 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 September 13, 2011.

The applicant proposes to dredge approximately 31,300 cubic yards of accreted sediment from two areas totaling 2.3 acres in size, replace 63 piles, and conduct associated pier repair and maintenance activities necessary for the safe and efficient bulk handling of alumina imported at the facility.

On behalf of the State of Washington, we certify that the work proposed 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.



Northwest Alloys Inc.  
Millennium Bulk Terminals Longview LLC  
Order #8901/Corps Public Notice # NWS-2010-1220  
December 12, 2011

If you have any questions concerning the content of this letter, please contact Helen Pressley at (360) 407-6076. The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,



Brenden McFarland, Section Manager  
Shorelands & Environmental Assistance Program  
Headquarters Office - Ecology  
State of Washington

Enclosure

by Certified Mail 7009 1410 0002 4001 1866  
Mr. Mark Stiffler, Northwest Alloys Inc.

by Certified Mail 7009 1410 0002 4001 1873  
Kristin Gaines, Millennium Bulk Terminals Longview LLC

cc: State Senator, Brian Hatfield  
State Senator, Linda Parlette  
State Senator, Joseph Zarelli  
State Representative Mike Armstrong  
State Representative, Brian Blake  
State Representative, Cary Condotta  
State Representative, Ed Orcutt  
State Representative, Dean Takko  
State Representative Ann Rivers  
Dan Coffman, President ILWU Local 21  
Don Brunell, President, Association of Washington Business  
Rick Winsman, Kelso Longview Chamber of Commerce  
Glen Grette, Grette Associates  
Melora Shelton, Grette Associates  
Danette Guy, USACE  
Steve West, WDFW

ecc: Loree' Randall, Ecology  
Helen Pressley, Ecology  
Laura Inouye, Ecology  
Rebecca Schroeder, Ecology SWRO  
Paul Skyllingstad, Ecology SWRO  
[Ecyrefedpermits@ecy.wa.gov](mailto:Ecyrefedpermits@ecy.wa.gov)  
[DMMP@dnr.wa.gov](mailto:DMMP@dnr.wa.gov)



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The applicant proposes to dredge approximately 31,300 cubic yards of accreted sediment from two areas totaling 2.3 acres in size, replace 63 piles, and conduct associated pier repair and maintenance activities necessary for the safe and efficient bulk handling of alumina imported at the facility.

On behalf of the State of Washington, we certify that the work proposed 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.



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Rebecca Schroeder, Ecology SWRO  
Paul Skyllingstad, Ecology SWRO  
Ecyrefedpermits@ecy.wa.gov  
[DMMP@dnr.wa.gov](mailto:DMMP@dnr.wa.gov)

**IN THE MATTER OF GRANTING A ) ORDER #8901**  
**WATER QUALITY ) Corps Reference No. NWS-2010-1220**  
**CERTIFICATION TO ) Dredging of up to approximately 31,300 cubic**  
**Northwest Alloys Inc. and Millennium ) yards, piling replacement and repairs in the**  
**Bulk Terminals Longview, LLC ) Columbia River at Longview, Cowlitz 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: Northwest Alloys Inc  
Attn: Mark Stiffler  
201 Isabella St.  
Pittsburgh PA 15212

Millennium Bulk Terminals Longview, LLC  
Attn: Kristin Gaines  
P.O. Box 2098  
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The applicant proposes to dredge approximately 31,300 cubic yards of accreted sediment from two areas totaling 2.3 acres in size, replace 63 piles, and conduct associated pier repair and maintenance activities necessary for the safe and efficient bulk handling of alumina imported at the facility.

The applicant plans to dredge to -40 feet CRD, with a 2-foot overdepth allowance. Dredging is proposed to be conducted with a barge-mounted mechanical clamshell dredge and material will be loaded into a bottom-dump barge for transport to the approved inwater disposal area located in the Columbia River near River Mile 60.

Additional work elements include:

1. Replace a total of 12 failing or damaged creosote-treated timber piles (14- and 16-inch diameter) with steel pipe pile of the same size;
2. Replace one damaged 18.5-inch diameter octagonal concrete pile with a 24-inch steel pipe pile;
3. Replace up to 50 failing or damaged timber cross-braces or bracing members in-kind;
4. Remove a non-functioning derrick loader, including 22, 14-inch timber piles and 650 square feet of overwater decking;
5. Conduct various above-water structural and safety improvements, including but not limited to:
  - a. Repair of deck panels;

- b. Repair of spalling on concrete pile;
- c. Replacement of handrails, curbs, decks, pile caps, and dust seals; and
- d. Replacement of the waterline and fire suppression system.

**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. For purposes of this Order, the term “Applicant” shall mean the Northwest Alloys, Inc., Millennium Bulk Terminals Longview, LLC and its agents, assignees and contractors.
2. For purposes of this Order, all submittals required by its conditions shall be sent to Ecology’s Headquarters Office, Attn: 401/CZM Federal permit coordinator,

P.O. Box 47600 Olympia, WA 98504-7600 and/or hpre461@ecy.wa.gov. Any submittals shall reference Order #8901 and Corps Reference # NWS-2010-1220.

3. Work authorized by this Order is limited to the work described in the Joint Aquatic Resources Permit Application (JARPA) received by Ecology on July 21, 2011. The Applicant will be out of compliance with this Order and must submit an updated JARPA 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 an individual 404 and/or Section 10 permit for the project.
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 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. 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.
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 permits, plans, documents, and approvals. These statements shall be provided to Ecology before construction begins at the project.
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 its terms.

**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 freshwater is a 300-feet downstream of the in-water activity causing the turbidity exceedance. 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 greater than a 10% increase in turbidity when the background turbidity is more than 50 NTU is in violation of the turbidity water quality standard.

**C. Water Quality Monitoring**

1. The Applicant shall implement the water quality monitoring plan dated November 30, 2011 for this project. If the plan is changed or modified at any time the Applicant shall submit a revised plan to Ecology per Condition A2. The revised plan shall be approved by Ecology prior to any implementing the changes.
2. Turbidity monitoring reports shall be sent weekly to the 401/CZM Federal permit coordinator. The permit coordinator shall be contacted within 24 hours if an exceedance occurs.

**D. Dredging and Disposal:**

1. All dredging is to be done using a barge-mounted mechanical clamshell dredge. **Use of any other type of dredge requires pre-approval from Ecology.**
2. All dredged material will be transported via bottom-dump barge to the flowlane disposal area identified by the US Army Corps of Engineers. **Use of any other type of disposal method or location requires pre-approval by Ecology.**
3. For material being taken to open 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.
4. 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.
5. Dredged material shall not be stockpiled on a temporary or permanent basis below the ordinary high water line.
6. During dredging, the Applicant shall have a boat available on site at all times to retrieve debris from the water.

**E. Piling Removal and Replacement, In-water and Over-water Repair:**

1. All new piling installed shall be untreated piling.
2. During pile removal and pile driving, a containment boom shall be placed around the perimeter of the work area to capture wood debris and other materials released into the waters as a result of construction activities. All accumulated debris shall be collected and disposed of upland at an approved disposal site. Absorbent pads shall be deployed should any sheen be observed.
3. The work surface on the uplands shall include a containment basin for piles and any liquid or sediment removed during pulling of the piling. Basins may be constructed of durable plastic sheeting with sidewalls supported by hay bales or support structure to contain all sediment and liquid. Water left in the basins shall not be discharged into waters of the state.
4. Piles removed from substrate shall be moved immediately from the water onto the upland. The pile shall not be shaken, hosed-off, left hanging to drip or any other action intended to clean or remove adhering material from the pile. All excavated piles shall be disposed of at an approved upland disposal site.
5. The Applicant shall employ a bubble curtain during installation of piles greater than 10 inches in diameter if using an impact hammer. The bubble curtain shall be deployed in a manner to ensure that bubbles completely engulf the piles during the impact driving. A block of wood at least six (6) inches thick shall be placed between the pile driver and the pile to minimize in-water noise.
6. Construction stormwater, sediment, and erosion control best management practices (BMPs) shall be in place prior to the start of piling removal and construction at the site. BMPs shall be inspected and maintained.
7. All construction debris shall be properly disposed of on land so that it cannot enter a waterway or cause water quality degradation to state waters.
8. The Applicant shall use tarps or other containment methods when cutting, drilling, or construction over-water to prevent debris, sawdust, concrete and asphalt rubble, and other materials from entering the water.
9. Barges shall not be allowed to ground out.

**F. 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 shall also be sent to Ecology for review.
2. This Order shall remain in effect for a period of 2 years from date of issuance. Continuing this project beyond the 2 year term of this Order will require separate certifications every 2 years.

**G. 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 or in or overwater construction and within 14 days after completion of construction or dredging at the project site. Notification should be made using all the information required in Condition A2.

**H. 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) 407-6076.

- 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 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**

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

## CONTACT INFORMATION

Please direct all questions about this Order to:

Helen Pressley  
Department of Ecology SEA Program  
PO Box 47600  
Olympia WA 98504-7600  
360-407-6076  
hpre461@ecy.wa.gov

## MORE INFORMATION

### **Pollution Control Hearings Board Website**

[www.eho.wa.gov/Boards\\_PCHB.aspx](http://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 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 WAC – Sediment Management Standards**

[www.ecy.wa.gov/biblio/wac173204.html](http://www.ecy.wa.gov/biblio/wac173204.html)

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

[www.ecy.wa.gov/biblio/wac173201A.html](http://www.ecy.wa.gov/biblio/wac173201A.html)

DATED December 12, 2011 at Olympia, Washington.



Brenden McFarland, Section Manager  
Shorelands & Environmental Assistance Program  
Headquarters Office – Ecology  
State of Washington

**ATTACHMENT A**

**Northwest Alloys Inc. and Millennium Bulk Terminal Longview, LLC  
Millennium Bulk Terminal Pier Repair & Maintenance Dredge  
Water Quality Certification Order #8901**

**Statement of Understanding of  
Water Quality Certification Conditions**

I have read and understand the conditions of Order #8901 Section 401 Water Quality Certification for the Millennium Bulk Terminal Pier Repair & Maintenance Dredge Project. 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

