



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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January 15, 2016

TO: Port of Tacoma
ATTN: Mr. Tony Warfield
PO Box 1837
Tacoma, WA 98401-1837

Georgia Pacific Gypsum
ATTN: Mr. Don Jordan
1240 Alexander Avenue East
Tacoma, WA 98421

RE: Amendment to 401 Water Quality Certification Order #13017 for U.S. Army Corps of Engineers Reference NWS-2015-634-WRD, Tacoma Marine Terminal Upgrade, Tacoma, Pierce County, Washington, Washington

Dear Mr. Warfield and Mr. Jordan,

Enclosed is an amendment to Water Quality Certification Order # 13017, issued December 10, 2015, for the above project.

The purpose of this amendment is to correct the water quality standard listed in condition B1, which was listed in the certification incorrectly as 5 NTU over background or 10% of background if the background is greater than 50 NTU. The correct standard for the project vicinity is 10 NTU or 20% of background if the background is greater than 50 NTU.

If you have any questions, please contact Laura Inouye at (360)-407-6165. The enclosed Amendment may be appealed by following the procedures described in the Amendment.

Sincerely,

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



Mr. Warfield and Mr. Jordan
January 15, 2016
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by certified mail 7009 0820 0001 9056 0502
7009 0820 0001 9056 0519

cc: Olivia Romano, Corps of Engineers

e-cc: ECY RE FEDPERMITS
Laura Inouye – HQ, SEA
Loree Randall – HQ, SEA
Lori Kingsbury – SWRO, SEA
Cassandra Moore – Grette Associates

**IN THE MATTER OF GRANTING
A WATER QUALITY
CERTIFICATION TO
*Port of Tacoma
and Georgia Pacific Gypsum***
In accordance with 33U.S.C. 1341
(FWPCA §401), RCW 90.48.120, RCW
90.48.260 and Chapter 173-201A WAC

) **ORDER #13017, First Amendment**
) **Corps Reference No. NWS-2015-634-WRD**
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On December 10, 2015 the Washington Department of Ecology (Ecology) issued a 401 Water Quality Certification to the Port of Tacoma and Georgia Pacific Gypsum for the above-referenced project pursuant to the provisions of 33 U.S.C. 1341 (FWPCA § 401).

Ecology received a request on January 13, 2016, requesting a correction to the turbidity standard.

Administrative Order No. 13017 dated December 10, 2015 hereby amended as follows:

The amendment is as follows

- I. The conditions number B1 which reads:
 - 1. This Order does not authorize temporary exceedances of water quality standards beyond the limits established in WAC 173-201A-210(1).
 - The area of mixing established for marine waters is a 150 foot radius surrounding 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 150 ft point of compliance from the activity and/or the disposal location shall be considered to be an exceedance of the standard.

Is replaced with:

1. This Order does not authorize temporary exceedances of water quality standards beyond the limits established in WAC 173-201A-210(1).
 - The area of mixing established for marine waters is a 150 foot radius surrounding the in-water activity. Turbidity occurring outside that zone that is more than 10 nephelometric turbidity units (NTU) over background when the background is 50 NTU or less, or a 20% 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 150 ft point of compliance from the activity and/or the disposal location shall be considered to be an exceedance of the standard.

No other conditions or requirements of the above-mentioned order are affected by this amendment.

The 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 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
<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 301 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>



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

Date

Jan 15, 2016

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January 15, 2016 First Amendment changes are reflected in Red.

IN THE MATTER OF GRANTING A) ORDER #13017
WATER QUALITY) Corps Reference No. NWS-2015-634-WRD
CERTIFICATION TO) Tacoma Marine Terminal Upgrade, Tacoma,
Port of Tacoma and Georgia Pacific) Pierce County, Washington, Washington
Gypsum)
in accordance with 33 U.S.C. 1341)
(FWPCA § 401), RCW 90.48.120, RCW)
90.48.260 and Chapter 173-201A WAC)

TO: Port of Tacoma
ATTN: Mr. Tony Warfield
PO Box 1837
Tacoma, WA 98401-1837

Georgia Pacific Gypsum
ATTN: Mr. Don Jordan
1240 Alexander Avenue East
Tacoma, WA 98421

On July 13, 2015 the Port of Tacoma and Georgia Pacific Gypsum 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 4, 2015.

This projects includes upgrades to the Tacoma Marine Terminal including berth deepening, modification and improvements to the existing hopper/conveyer system, dock maintenance and safety tasks, and storage capacity expansion of the existing upland rock storage building.

Dredging will serve to deepen the existing berth from approximately -33 ft MLLW to approximately -45 ft MLLW to facilitate navigation by deeper draft vessels. The dredging includes approximately 16,900 cy of material unsuited for in-water disposal, and approximately 8,550 cy of material suited for in-water disposal; in-water disposal will be transported to the Commencement Bay open-water disposal site.

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);

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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 Tacoma and Georgia Pacific Gypsum 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 fednotification@ecy.wa.gov. Any submittals shall reference Order #13017 and Corps Reference # NWS-2015-634-WRD.
3. All notifications listed below shall be made via phone to Laura Inouye, (360)-407-6165, or e-mail at fednotification@ecy.wa.gov. These notifications shall be identified with Order #13017 and include the Applicant's name, the project contact, and the contact's phone number.
 - a. At least ten (14) 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.

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4. Work authorized by this Order is limited to the work described in the Joint Aquatic Resources Permit Application (JARPA) received by Ecology on July 13, 2015, 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

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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 (including wetlands) 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-210(1).
 - The area of mixing established for marine waters is a 150 foot radius surrounding the in-water activity. Turbidity occurring outside that zone that is more than ~~5~~ 10 nephelometric turbidity units (NTU) over background when the background is 50 NTU or less, or a ~~40%~~ 20% 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 150 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 follow the water quality monitoring plan approved by Ecology on November 13, 2015.
2. Turbidity monitoring reports shall be sent weekly to the 401/CZM Federal permit coordinator as per Condition A2. The permit coordinator shall be contacted within 2

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hours if an exceedance occurs when dredging material unsuitable for in-water disposal, and within 24 hours if an exceedance occurs when dredging material suitable for in-water disposal or other project activities.

D. Dredging and Disposal Conditions:

1. All dredging is to be done using a clamshell dredge. **Use of any other type of dredge requires preapproval from Ecology.**
2. The upper 5 feet of the dredge prism (DMMU 1) is unsuited for in-water disposal and must be transloaded and disposed of according to the plan approved by Ecology on November 16, 2015. **Any changes to transloading methods or locations requires pre-approval by Ecology.**
3. Prior to starting dredging of material suitable for in-water disposal, an independent post-dredge survey must be performed to ensure all material unsuited for in-water disposal has been removed. **Results of this survey shall be provided to Ecology prior to starting dredging of material suited for in-water disposal.**
4. Dredged material approved for open-water disposal will be taken to the PSSDA non-dispersive open-water disposal site at Commencement Bay on a bottom dump barge. **Use of any other type of location or equipment requires pre-approval by Ecology.**
5. For material being taken to the open water disposal site, 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. The scow shall not be overfilled to the point where dredge material overtops the sidewalls.
10. Caution shall be used when placing material from the bucket into the scow to limit splash and prevent spillage.

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11. Barges, tugs and other vessels associated with the dredging will not be allowed to ground out.
12. The Dredge operator shall pause the bucket at the surface, after its ascent through the water column, to minimize turbidity by allowing free water to drain from the bucket prior to swinging the bucket to the bottom dump scow.
13. A pre-dredge meeting is required to be convened at least 2 weeks prior to the start of dredging unless otherwise approved by Ecology.

E. Construction Conditions:

1. 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 maintenance activities and shall be inspected and maintained throughout project construction.
2. All work in and near the water shall be done so as to minimize turbidity, erosion, and other water quality impacts.
3. 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.
4. 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, in order to prevent contamination to any surface water.
5. All clearing limits, travel corridors, stockpile locations, and staging areas shall be clearly marked prior to commencing construction activities and maintained until all work is completed for this project.
6. Staging areas will be located a minimum of 40 feet from waters of the state, including wetlands. If a staging area must be located within 40 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.
7. No petroleum products, fresh concrete, lime, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.

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8. Clean Fill Criteria: The Applicant shall ensure that fill (soil) placed for the proposed project does not contain toxic materials in toxic amounts.

F. Over-Water Work Conditions:

1. The Applicant shall provide containment for over-water demolition of the existing hopper and installation of the new hopper to prevent debris from entering waters of the state.
2. The Applicant shall have a boat available on site during all over-water activities to retrieve any debris that enters the water.
3. All construction debris, excess sediment, and other solid waste material shall be properly managed and disposed of in an approved upland disposal site so that it cannot cause water quality degradation to state waters.
4. If a barge is to be utilized, the Applicant shall operate the barge in deep water so as to minimize the near shore propeller wash impacts such as suspension of near shore sediments. It shall not be allowed to ground-out or rest on the substrate or be anchored over vegetated shallows.

G. 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.

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.

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- 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.

ATTACHMENT A

Port of Tacoma and Georgia Pacific Gypsum
Tacoma Marine Terminal
Water Quality Certification Order #13017

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

I have read and understand the conditions of Order #13017 Section 401 Water Quality Certification for the Tacoma Marine Terminal. 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

