



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

August 10, 2007

REGISTERED MAIL
RB 670 439 081 US

Snohomish County Public Works-Engineering Services Division
Attn: Crilly Ritz
3000 Rockefeller Avenue, M/S 607
Everett, WA 98201

RE: Water Quality Certification Order #4640 and Coastal Zone Management Consistency Determination for U.S. Army Corps of Engineers (Corps) Reference #200700427, Snohomish County Public Works: Swamp Creek Bridge #600 Replacement Project, Snohomish County, Washington

Dear Mr. Ritz:

On April 9, 2007, the Washington State Department of Ecology (Ecology) received a Joint Aquatic Resources Permit Application (JARPA) from Snohomish County Public Works-Engineering Services Division (Snohomish County). A public notice regarding the request was distributed by Ecology for the above-referenced project pursuant to the provisions of Chapter 173-225 WAC on June 27, 2007.

On behalf of the State of Washington, through the enclosed Order, Ecology certifies that the work described in the original JARPA submitted on April 9, 2007, and in the public notice (June 27, 2007) 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.

On June 28, 2007, Ecology received a Certification of Consistency with the Washington State Coastal Zone Management Program (CZMP) form from Snohomish County for this project. Pursuant to Section 307(c)(3) of the Coastal Zone Management Act of 1972 as amended, Ecology concurs with Snohomish County's determination that the proposed work is consistent with Washington's CZMP. This concurrence is based upon Snohomish County's compliance with all applicable enforceable policies of the CZMP, including Section 401 of the CWA.



If you have any questions, please contact Cynthia Walcker, Federal Permit Coordinator at (425) 649-4318 or cynt461@ecy.wa.gov. The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,



Geoff Tallent
Northwest Regional Office
Shorelands and Environmental Assistance Program

GT:csw:cja

Enclosure

cc: Susan Glenn, U.S. Army Corps of Engineers

e-cc: Penny Keys – Ecology, HQ
Loree' Randall – Ecology, HQ
Erik Stockdale, Ecology, NWRO

IN THE MATTER OF GRANTING A)	ORDER #4640
WATER QUALITY)	Corps Reference No. 200700427
CERTIFICATION TO Snohomish)	Replace Bridge #600 over Swamp Creek with a
County Public Works-Engineering)	span that is longer and wider than the existing
Services Division in accordance with 33)	bridge resulting in 0.079 acres of wetland fill.
U.S.C. 1341 (FWPCA § 401), RCW)	Relocate two streams away from Ash Way
90.48.120, RCW 90.48.260 and Chapter)	resulting in 17 cubic yards of excavation within a
173-201A WAC)	wetland, Snohomish County, Washington.

TO: Snohomish County Public Works-Engineering Services Division
 Attn: Crilly Ritz
 3000 Rockefeller Avenue, M/S 607
 Everett, WA 98201

On April 9, 2007, Snohomish County Public Works-Engineering Services Division (Snohomish County) submitted a Joint Aquatic Resources Permit Application (JARPA) to the Department of Ecology (Ecology) requesting a Section 401 Water Quality Certification. A public notice regarding the request was distributed by Ecology for the above-referenced project pursuant to the provisions of Chapter 173-225 WAC on June 27, 2007.

The proposed project entails replacement of Bridge #600, a two-lane timber bridge, over Swamp Creek with a longer and wider new bridge. Bridge #600 is located on Ash Way, one-half mile north of the City of Lynnwood, Snohomish County, Washington. Section 11, Township 27 North, Range 4 East, WRIA# 8, Cedar-Sammamish Watershed.

The project proposes to remove the existing 19-foot long by 19-foot wide bridge and associated in-stream timber piles. The old bridge will then be replaced with a wider and longer structure that requires no in-stream piers. The new pre-cast reinforced three-sided single span bridge will be 30-feet long and 45-feet wide. The new bridge will be supported by concrete footings set on piles. Gravel borrow fill will be placed in wetlands (0.079 acres) adjacent to the roadway to accommodate roadway improvements for the new bridge approach roadway. Also, as a result of re-locating the ditched streams (Box Spring Creek and Ash Way Creek) away from the roadway, 17 cubic yards of soil will be excavated from a wetland located on the south side of Ash Way.

Proposed mitigation includes enhancement of 58,400 SF of wetland; relocation of 175 feet of Ash Way Creek from a roadway ditch to a newly constructed channel; enhancement of 6,700 SF of wetland/stream buffer; preservation of 26,600 SF of a Category I forested wetland and redirection of flow in Box Spring Creek to it's historic channel located on the southwest side of the bridge. Combined mitigation areas total 84,387 SF (1.94 acres) at a mitigation ratio of 24:1 for wetland impacts and 1.4:1 for buffer impacts. Additionally, stormwater runoff from the project area will be conveyed to a new bio-retention facility for flow control and water quality treatment. Furthermore, to avoid additional wetland fill and removal of large trees, utilities will be re-located underground using a directional bore. All borings will occur 10 feet below streambed grade.

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. §1311, 1312, 1313, 1316, and 1317 (FWPCA § 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 Snohomish County and their agents, assignees and contractors.
2. For purposes of this Order, all submittals required by its conditions shall be sent to the Washington State Department of Ecology, Northwest Regional Office, Attn: 401/CZM Federal Permit Coordinator, 3190 160th Avenue SE, Bellevue, WA 98008-5452. Any submittals shall reference Order No. 4640 and Corps No. 200700427.
3. Work authorized by this Order is limited to the work described in the JARPA received by Ecology on April 9, 2007. 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 does not exempt, and is provisional upon compliance with other statutes and codes administered by federal, state, and local agencies.
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 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.
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.
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. Any person who fails to comply with any provision of this Order shall be liable for a penalty of up to ten thousand dollars (\$10,000.00) per violation for each day of continuing noncompliance.

B. Construction Conditions

1. All work in and near the water 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 before starting clearing, filling and grading work and shall be maintained throughout construction.
2. The project shall be clearly marked/staked prior to construction. Clearing limits, travel corridors and stockpile sites shall be clearly marked. Sensitive areas and buffers that are to be protected from disturbance shall be marked so as to be clearly visible to equipment operators. Equipment shall enter and operate within the marked clearing limits corridors and stockpile areas.

C. Wetland Mitigation and Monitoring

1. Impacts to wetlands and wetland buffers shall be mitigated as described in the *Critical Areas Report and Habitat Management Plan, Bridge 600 Replacement* (Mitigation Plan) from Snohomish County Public Works (Public Works), dated March 2007.
2. Monitoring shall be conducted in accordance with the March 2007 Mitigation Plan. Monitoring reports will be prepared each monitoring year and submitted to Ecology's Federal Permit Coordinator by the end of each monitoring year. The reports will include the following elements:
 - Percent cover of native plants.
 - Percent cover of non-native invasive plants.
 - Photographs from permanent points.
 - Any needed contingency measures.

In addition to conditions in the above-referenced document, the following requirements shall be conditions of this Order:

- a. Timing: Construction and installation of compensatory mitigation must occur before or at the same time as project impacts on aquatic resources, or at the earliest planting season after project impacts.
- b. Baseline Monitoring Report: A baseline monitoring report documenting the final design of the mitigation area must be prepared when site construction and planting are completed. The report shall include the following:
 - i. Vicinity map showing site access.
 - ii. Drawings that clearly identify in plan view the location of the planted area.
 - iii. The installed planting scheme showing approximate locations of plants and the time of planting.
 - iv. Photographs of the area taken from permanent reference points.
 - v. Locations of photopoints, and sampling sites.
 - vi. A description of any changes to the mitigation plan that occurred during construction.

A copy of the baseline monitoring report shall be sent to Paul Anderson, Wetland Specialist at Ecology, 3190 160th Avenue SE, Bellevue, WA 98008-5452, within 60 days of completing construction, and in no case later than December 31, 2008.

- c. Monitoring: Monitoring of vegetation shall be done after the initial planting for ten years, following the schedule on page 38 of the Mitigation Plan (Years 1, 2, 4, 6, 8, and 10). Monitoring reports shall be submitted to Ecology for each monitoring year and shall include representative photos taken from permanent locations and measures

of vegetation cover as described in the Mitigation Plan. The mortality of all planted woody species shall be recorded either by collecting data on each of the individual plantings or by a statistically sound sampling. **All monitoring reports shall be submitted to Paul Anderson, Wetland Specialist at Ecology, 3190 160th Avenue SE, Bellevue, WA 98008-5452.** Reports shall display the Order #4640, and Corps Reference #200700427.

- d. Performance Standards: Plant survival and cover shall comply with the performance standards listed on page 38 of the Mitigation Plan. Plants shall be maintained or replaced as needed to ensure survival of 80 percent of all planted trees and shrubs for Year 1, an increase in areal cover over the previous monitoring year, and areal cover of at least 80 percent at Year 10 after planting. Areal cover of invasive non-native species shall be less than 15 percent in Years 5 and 10.
- e. Maintenance: The Applicant is responsible for maintenance and protection of the native vegetation planting area both throughout and after the 10-year monitoring period. This includes 100% replacement of woody plants that die during the first year after planting and subsequent replacement sufficient to ensure an 80% survival rate at the end of five (5) years. Maintenance shall also ensure that areal cover of invasive non-native species on the site are does not exceed 15 percent during the ten year monitoring period. If adverse site conditions or unforeseen problems cause plantings to grow poorly or die at a high rate, the Applicant shall analyze the cause and take corrective action such as irrigating, protecting trunks from gnawing rodents, etc.

D. Reporting Requirements

1. A detailed "as built" report shall be prepared after mitigation construction showing any variances from the final wetland mitigation plan. The "as-built" shall be the baseline document used for all future monitoring of the mitigation project. It shall include but not be limited to:
 - recommendations, if any, from an Ecology wetland specialist present on site during mitigation construction;
 - final site plan showing site topography (both site plan view and typical sections) and clearly indicating the mitigation site boundary;
 - photographs of the area taken from permanent photo points which will be designated on the site plan;
 - the installed planting scheme showing densities, sizes, and approximate locations of plants as well as plant sources and time of planting; and,
 - an analysis of any changes to the mitigation plan that occurred during construction.

Two (2) copies of the "as-built" report and drawings shall be sent to the Washington State Department of Ecology, Northwest Regional Office, Attn: 401/CZM Federal Permit Coordinator, 3190 160th Avenue SE, Bellevue, WA 98008-5452, within 60 days of completing construction and planting.

E. Timing Requirements

1. This Order is valid until all compliance requirements in this document have been met.

F. Notification Requirements

1. The Applicant shall provide written notification (FAX: 425-649-7098, e-mail: cynt461@ecy.wa.gov) or mail to Ecology's 401/CZM Federal Permit Coordinator, Northwest Regional Office, 3190 160th Avenue SE, Bellevue, WA 98008-5452, in writing at least three (3) days prior to the start of construction at the project site.
2. The Applicant shall provide written notification to Ecology's Northwest Regional Office Federal Permit Coordinator in writing within fourteen (14) days after completion of construction.

NOTE: These notifications shall include the Applicant's name, project name, project location, the number of this Order, contact and contact's phone number.

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, including wetlands, 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 of the nature of the problem, any actions taken to correct the problem, and any proposed changes in operations to prevent further problems.

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's 24-Hour Spill Response Team at 1-800-258-5990.

H. Appeal Process

You have a right to appeal this Order. To appeal this Order you must:

- File your appeal with the Pollution Control Hearings Board within 30 days of the "date of receipt" of this document. Filing means actual receipt by the Board during regular office hours.
- Serve your appeal on the Department of Ecology within 30 days of the "date of receipt" of this document. Service may be accomplished by any of the procedures identified in WAC 371-08-305(10). "Date of receipt" is defined at RCW 43.21B.001(2).

Be sure to do the following:

- Include a copy of this document that you are appealing with your Notice of Appeal.
- Serve and file your appeal in paper form; electronic copies are not accepted.

1. To file your appeal with the Pollution Control Hearings Board

Mail appeal to:

The Pollution Control Hearings Board
P.O. Box 40903
Olympia, WA 98504-0903

OR

Deliver your appeal in person to:

The Pollution Control Hearings Board
4224 – 6th Ave SE Rowe Six, Bldg 2
Lacey, WA 98503

2. To serve your appeal on the Department of Ecology

Mail appeal to:

The Department of Ecology
Appeals Coordinator
P.O. Box 47608
Olympia, WA 98504-7608

OR

Deliver your appeal in person to:

The Department of Ecology
Appeals Coordinator
300 Desmond Dr SE
Lacey, WA 98503

3. And send a copy of your appeal to:

Cynthia Walcker, Federal Permit Coordinator 401/CZM
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

*For additional information visit the Environmental Hearings Office Website: <http://www.eho.wa.gov>
To find laws and agency rules visit the Washington State Legislature Website:
<http://www1.leg.wa.gov/CodeReviser>*

Your appeal alone will not stay the effectiveness of this Order. Stay requests must be submitted in accordance with RCW 43.21B.320. These procedures are consistent with Ch. 43.21B RCW.

Dated Aug 10, 2007 at Bellevue, Washington.



Geoff Tallent, Section Manager
Shorelands and Environmental Assistance Program
Department of Ecology, Northwest Regional Office
State of Washington