



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

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September 2, 2014

Kim Henry  
Department of Transportation  
600 108<sup>th</sup> Avenue NE, Suite 405 NB 82-250  
Bellevue, WA 98004

RE: Water Quality Certification Order #10925 for Corps NWP 23, NWS-2008-1276 for SR 167 8<sup>th</sup> Street East to South 277<sup>th</sup> Street Southbound HOT Lane project in the cities of Auburn, Algona, and Pacific in Pierce and King Counties, Washington.

Dear Mr. Henry:

On July 3, 2014, the Department of Ecology (Ecology) received the Department of Transportation's (WSDOT) Joint Aquatic Resource Permit Application (JARPA) for a 401 Water Quality Certification (401 Certification) for the proposed SR 167 8<sup>th</sup> Street East Vicinity to South 277<sup>th</sup> Street Vicinity Southbound HOT Lane transportation project. The project entails widening SR 167 and extending a southbound High Occupancy Toll (HOT) Lane from its existing end point at 37<sup>th</sup> Street NW in Auburn to 8<sup>th</sup> Street East in Pacific. A fish barrier culvert on the unnamed tributary to Milwaukee Ditch will be removed and the stream channel restored. The Jovita Creek culvert will be replaced. Stormwater facilities will be constructed to provide water quality treatment and flow control. As part of the stormwater design for this project, WSDOT is also designing an alternative stormwater facility, referred to as Site C Floodplain Storage Unit, located in the city of Auburn, west of SR 167 between SR 18 and West Main Street.

The Department of Ecology issued a Public notice for this project on July 9, 2014. The U.S. Army Corps of Engineers issued a nationwide permit 23 for the project on August 29, 2014.

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



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Additionally, Ecology is rescinding the Section 401 Certification Order #6450 dated February 19, 2009 because the Corps of Engineers Section 404 permit has expired.

If you have any questions, please contact Penny Kelley, Federal Project Coordinator, at 360-407-7298 or by e-mail at [pkel461@ecy.wa.gov](mailto:pkel461@ecy.wa.gov). The enclosed Order may be appealed by following the procedures described in the Order.

Sincerely,



Brenden McFarland, Section Manager  
Headquarters Office  
Shorelands and Environmental Assistance Program

by Certified Mail 7009 0820 0001 9056 0120

cc: Frank Leenstra

e-cc: Rebecca McAndrew, Corps of Engineers  
Bobb Nolan, Ecology  
Caroline Corcoran, Ecology  
Loree' Randall, Ecology  
Karen Walter, MITFD  
Rob Thomas, WSDOT  
Cori Flowers, WSDOT  
Cameron Kukes, WSDOT  
[ecyrefedpermit@ecy.wa.gov](mailto:ecyrefedpermit@ecy.wa.gov)

<p><b>IN THE MATTER OF GRANTING A WATER QUALITY CERTIFICATION TO</b> Washington Department of Transportation in accordance with 33 U.S.C. 1341 (FWPCA § 401), RCW 90.48.120, RCW 90.48.260 and Chapter 173-201A WAC</p>	<p>) <b>ORDER # 10925</b> ) <b>Corps Reference No. NWS-2008-1276</b> ) Widen SR 167 to construct a southbound High ) Occupancy Toll Lane starting at 8<sup>th</sup> Street and ) extending to 277<sup>th</sup> Street. Jovita Creek, Un- ) named Tributary to Milwaukee Ditch and Mill ) Creek are located in the cities of Auburn, ) Algona, and Pacific in Pierce and King Counties ) in Washington.</p>
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TO: Kim Henry  
Department of Transportation  
600 108<sup>th</sup> Avenue NE Suite 405 NB 82-250  
Bellevue, WA 98004

On July 3, 2014, Ecology received a Joint Aquatic Resources Permit Application (JARPA) from the Washington Department of Transportation (WSDOT) requesting a 401 Water Quality Certification (WQC). Department of Ecology (Ecology) issued a public notice for the project on July 9, 2014. The Corps of Engineers issued a Section 404 NWP 23, Permit # NWS-2008-1276 on August 29, 2014.

The project entails widening SR 167 and extending a southbound High Occupancy Toll (HOT) Lane from its existing end point at 37<sup>th</sup> Street NW in Auburn to 8<sup>th</sup> Street East in Pacific. In addition, the existing southbound lanes on SR 167 will be repaved in the same vicinity as the extended HOT Lane and the southbound bridge over SR 18 will be widened. Other project elements include installing ramp meters at the SR 167 on-ramps at 15<sup>th</sup> Street, Ellingson Road and 8<sup>th</sup> Street E., building two noise walls and intersection improvements at the southbound off-ramps at Ellingson Road and Eighth Street E. A fish barrier culvert on the unnamed tributary to Milwaukee Ditch will be removed and the stream channel restored. The Jovita Creek culvert will be replaced.

Stormwater facilities will be constructed to provide water quality treatment and flow control. As part of the stormwater design for this project, WSDOT is also designing an alternative stormwater facility, referred to as Site C Floodplain Storage Unit, located in the city of Auburn, west of SR 167 between SR 18 and West Main Street. This facility, which is different from a traditional stormwater detention facility, is being constructed to provide flood storage adjacent to Mill Creek to offset potential impacts caused by increased runoff from the new road lane.

The project is located in the cities of Auburn, Algona, and Pacific in Pierce and King Counties, WRIA 9 Green River and WRIA 10 White River, Washington State.

SECTION/TOWNSHIP/RANGE

036 22N 4E    001 21N 4E  
012 21N 4E    013 21N 4E  
014 21N 4E    023 21N 4E  
026 21N 4E    035 21N 4E  
002 20N 4E    024 21N 4E

**AUTHORITIES:**

In exercising authority under 33 U.S.C. § 1341, RCW 90.48.120, and RCW 90.48.260, Ecology has reviewed 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 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 quality standards (Chapter 173-200 WAC) or sediment quality standards (Chapter 173-204 WAC). Furthermore, nothing in this certification shall absolve WSDOT 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 WSDOT, and its agents, assignees and contractors.
2. For purposes of this Order, all submittals required as conditions shall be sent to Ecology's HQ, Attn: Federal Project Coordinator, P.O. Box 47600, Olympia, WA 98504-7600 or via e-mail (preferred), if possible, to the Coordinator assigned to this project. Notifications shall be made via phone or e-mail (preferred). All submittals and notifications shall be identified with Order No. 10925 and include the Applicant's name, project name, project location, the project contact and the contact's phone number.
3. Work authorized by this Order is limited to the work described in the JARPA received by Ecology on July 03, 2014. 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. 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, lead workers, and state and local government inspectors.
6. 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.
7. 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.
8. The Applicant shall ensure that all project engineers, contractors, and other workers at the project site with authority to direct work 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 signatory that s/he has read and understands the conditions of this Order and the above-referenced permits, plans, documents and approvals. These statements shall be provided to Ecology before construction begins.

9. 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.
10. Failure of any person or entity to comply with the Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the terms of this Order.

## **B. Notification Requirements**

1. Notification shall be made via phone or e-mail (e-mail is preferred) to Ecology's Project Coordinator. Notification shall be identified with Order No10925 and include the Applicants name, project name, project location, project contact and contact's phone number.
  - a. Immediately following a violation of state water quality standards, spill to waters of the state or when the project is out of compliance with any of this Orders conditions.
    - i. In addition to the phone or e-mail notification, the Applicant shall 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.
  - b. At least a ten (10) days prior to all pre-construction meetings
  - c. At least ten (10) days prior to the onset of any work onsite
  - d. At least ten (10) days prior to the onset of any work on Site C
  - e. At least ten (10) days prior to conducting initial in-water work activities for each in-water work window established in the most current HPA.
  - f. Immediately following a violation of the state water quality standards or conditions of this Order.

## **C. Timing**

1. This Order is valid until the Applicant meets all its requirements and conditions.
2. In-water work is subject to a fishery closure window determined by Washington Department of Fish & Wildlife's Hydraulic Project Approval (HPA). All in-water work shall be completed within the work window indentified in the most current HPA issued for this project.

#### **D. Water Quality Monitoring Criteria**

1. Jovita Creek and Un-named Tributary to Milwaukee Ditch are categorized as salmonid spawning, rearing, and migration aquatic life use designation per the standards and the criteria of the categorization apply as described in WAC 173-201A-200 (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-200 (1)(e).
3. The Applicant shall submit a Water Quality Monitoring and Protection Plan (WQMPP) to the Federal Project Coordinator for review and approval at least 20 days prior to beginning work for each activity below the ordinary high water line (OHWL), in-water and over-water. **Work is not authorized to begin until approval is received.** At a minimum, the WQMPP shall include:
  - a. The name(s) and phone number(s) of the Pollution control inspector and the person responsible for on-site monitoring and report;
  - b. The BMPs and procedures to be used to protect water quality during specific proposed below the ordinary high water mark, in-water and over-water activities;
  - c. A water sampling plan for turbidity, which include sample locations and frequency;
  - d. Sampling locations for turbidity shall include, but are not limited to; background, half the distance to the point of compliance and at the point of compliance, unless otherwise approved by Ecology.
  - e. A map with numbered or named sampling locations associated with the in-water work activities.
  - f. Contingencies during in-water work activities
4. Ecology must approve, in writing, any changes or additions the WQMPP.
5. Monitoring results shall be submitted monthly to the Ecology Federal Project Coordinator, per condition A.2.

#### **E. Construction Conditions:**

1. The Applicant shall comply with the conditions of the current Construction Stormwater Permit (National Pollutant Discharge Elimination System - NPDES) issued for this project.
2. Within the project limits<sup>1</sup> all environmentally sensitive areas including, but not limited to, wetlands, wetland buffers, and mitigation areas shall be fenced with high visibility construction fence (HVF) prior to commencing construction activities. Construction activities include equipment staging, materials storage, and worker vehicle parking.

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<sup>1</sup> Project limits include mitigation sites, staging areas, borrow sources, and other sites developed or used to support project construction.

*Note: This condition does not apply to activities such as pre-construction surveying and installing HVF and construction zone signage.*

- a. If the project will be constructed in stages<sup>2</sup> a detailed description and drawings of the stages shall be sent to Ecology for review at least 20 days prior to placing HVF.
  - b. All field staff shall be trained to recognize HVF, understand its purpose, and properly install it in the appropriate locations.
  - c. HVF shall be maintained until all work is completed for each project or each stage of a staged project.
3. All clearing limits, stockpile sites, staging areas, and trees to be preserved shall clearly be marked prior to commencing construction activities and maintained until all work is completed for each project.
  4. No petroleum products, fresh concrete, lime or concrete, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.
  5. All construction debris, excess sediment, and other solid waste material shall be properly managed and disposed of in an approved upland disposal site.
  6. Turbid de-water water associated with in-water work shall not be discharged directly to waters of the state, including wetlands. Turbid de-watering water shall be routed to an upland area for on-site or off-site settling.
  7. Clean de-watering water associated with in-water work that has been tested and confirmed to meet water quality standards may be discharged directly to waters of the state including wetlands. The discharge outfall method shall be designed and operated so as not to cause erosion or scour in the stream channel, banks or vegetation.
  8. All equipment being used below the ordinary high water mark shall utilize bio-degradable hydraulic fluid.

#### Equipment & Maintenance

9. Staging areas will be located a minimum of 50 feet and, where practical, 200 feet, from waters of the state including wetlands. If a staging area must be located within 50 feet of waters of the state, then the Applicant shall provide a written explanation and obtain approval from Ecology's Federal Permit Coordinator before placing the staging area in the setback area.

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<sup>2</sup> A stage is part of a project that has been separated into at least two distinct areas to be built during separate timeframes.

10. Equipment used for this project shall be free of external petroleum-based products while used around the waters of the state, including wetlands. Accumulated soils or debris shall be removed from the drive mechanisms (wheels, tires, tracks, etc.) and the undercarriage of the equipment prior to its use around waters of the state, including wetlands.
11. No equipment shall enter, operate, be stored or parked within any sensitive area except as specifically provided for in the Order or allowed in the HPA.
12. 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.
13. Wash water containing oils, grease, or other hazardous materials resulting from washing down equipment or working areas shall not be discharged into state waters. The applicant shall set up a designated area for washing down equipment.
14. A separate area shall be set aside, which does not have any possibility of draining to surface waters, for the wash-out of concrete delivery trucks, pumping equipment, and tools.

#### Culvert/In-water Work/Concrete

15. All culvert replacement/installation and removal shall be conducted in the dry or in isolation from stream flow.
16. Stream flow isolation work shall not scour the stream channel or banks of the waterbody in which the work is being done.
17. To minimize sediment releases into the downstream water, water reintroduced to the channel shall be done gradually and at a rate not exceeding the normal stream flow.
18. All materials used during work area isolation activities (e.g. temporary bypass) shall be removed when that activity is complete and disposed of in an approved upland disposal site.
19. Fill associated with culvert installation shall be protected from erosion to the 100-year peak flow.

#### **F. Stormwater & Wetlands:**

1. The Applicant shall construct the Floodplain Storage Site C and associated wetland areas as described in the following plans or as modified by this Order or revised and approved by Ecology:
  - a. *Wetland and Stream Mitigation Report State Route 167 Southbound HOT Lane 8<sup>th</sup> Street E Vic. To S 277<sup>th</sup> Street Vic.* dated August 2008, and

- b. *SR 167 HOT Lane Project Construct Southbound High-Occupancy Toll Lane MP 10.80 to 18.24 Wetland and Stream Mitigation Report Addendum*, prepared by I-405/SR 167 Design-Build Project Office and dated July 2014.
2. Any changes to the design, on-site mitigation, or monitoring for wetlands or stormwater shall be submitted to Ecology for review and approval in accordance with condition A.2.
  3. The Applicant shall get review and written approval from Ecology of any plan changes required if problems arise during construction and planting of the wetland mitigation site.
  4. The Applicant shall have a wetland professional at the wetland mitigation site to supervise during construction and planting.
  5. The Applicant shall conduct monitoring as proposed in the *SR 167 8<sup>th</sup> Street E to S 277<sup>th</sup> Street Southbound HOT Lane Floodplain Storage Site Monitoring Plan* dated February 6, 2009.
  6. After completing construction and planting of Site C, the Applicant shall submit to Ecology (see A.2) an as-built report, including plan sheets, documenting site conditions at Year Zero. The as-built report must:
    - a. Be submitted within 90 days of completing construction and planting. Include one hard copy and one electronic file.
    - b. Include the information listed in Attachment B (Information Required for As-built Reports).
    - c. Include documentation of the recorded legal mechanism required in Condition F.7.
  7. Within 90 days of completing construction and planting of Site C, the Applicant shall record a Wetlands Notice. The Notice must be recorded with the County Recording Office, Registrar of Deeds, or other official responsible for maintaining records for, or interest in, real property.
  8. If the Floodplain Storage Site C is not completed within 13 months of this Order's date, the Applicant shall submit a written notification of the development and mitigation projects and submit an updated written notification every 12 months until construction and planting are complete and the final as-built report is submitted.
  9. All monitoring reports for Floodplain Storage Site C shall be submitted to Ecology in accordance with condition A.2
  10. The Applicant shall submit a final copy of the *Draft Type A Hydraulic Report* to Department of Ecology, attention Penny Kelley, prior to starting construction on Site C. The Applicant can submit the final draft on a CD (preferred), electronically or hard copy.

### G. Emergency/Contingency Measures:

1. The Applicant shall develop and implement a spill prevention and containment plan for this project and shall have spill cleanup material available on site at all times during construction.
2. Work that is out of compliance with the provisions of this Order, conditions causing distressed or dying fish, discharges of oil, fuel, or chemicals into state waters or onto land with a potential for entry into states waters, is prohibited. If such work, conditions, or discharge occur, the Applicant shall comply with WSDOT's most current Environmental Compliance Assurance Procedure for Construction Project and Activities, notify the Ecology Project coordinator per condition B.1.a. and immediately take the following actions:
  - a. Cease operations at the location of the non-compliance.
  - 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 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. Immediately notify Ecology's Northwest Region for spills occurring in King County at 425-649-7000 and Ecology's Southwest Region for spills occurring in Pierce County at 360-407-6300.
  - e. The notification must include information on the nature of the problem, actions taken to correct the problem, and any proposed changes in operations to prevent further problems.
  - f. Immediately notify National Response Center at 1-800-424-8802 for actual spills to water.
3. Notify Ecology's Regional Spill Response Office immediately if chemical containers (e.g. drums) are discovered on-site or any conditions present indicating disposal or burial of chemicals on-site that may impact surface water or ground water.

### **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
<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:

Penny Kelley  
Department of Ecology  
P.O. Box 47600  
Olympia, WA 98503-7600  
360-407-7298  
pkel461@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 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>

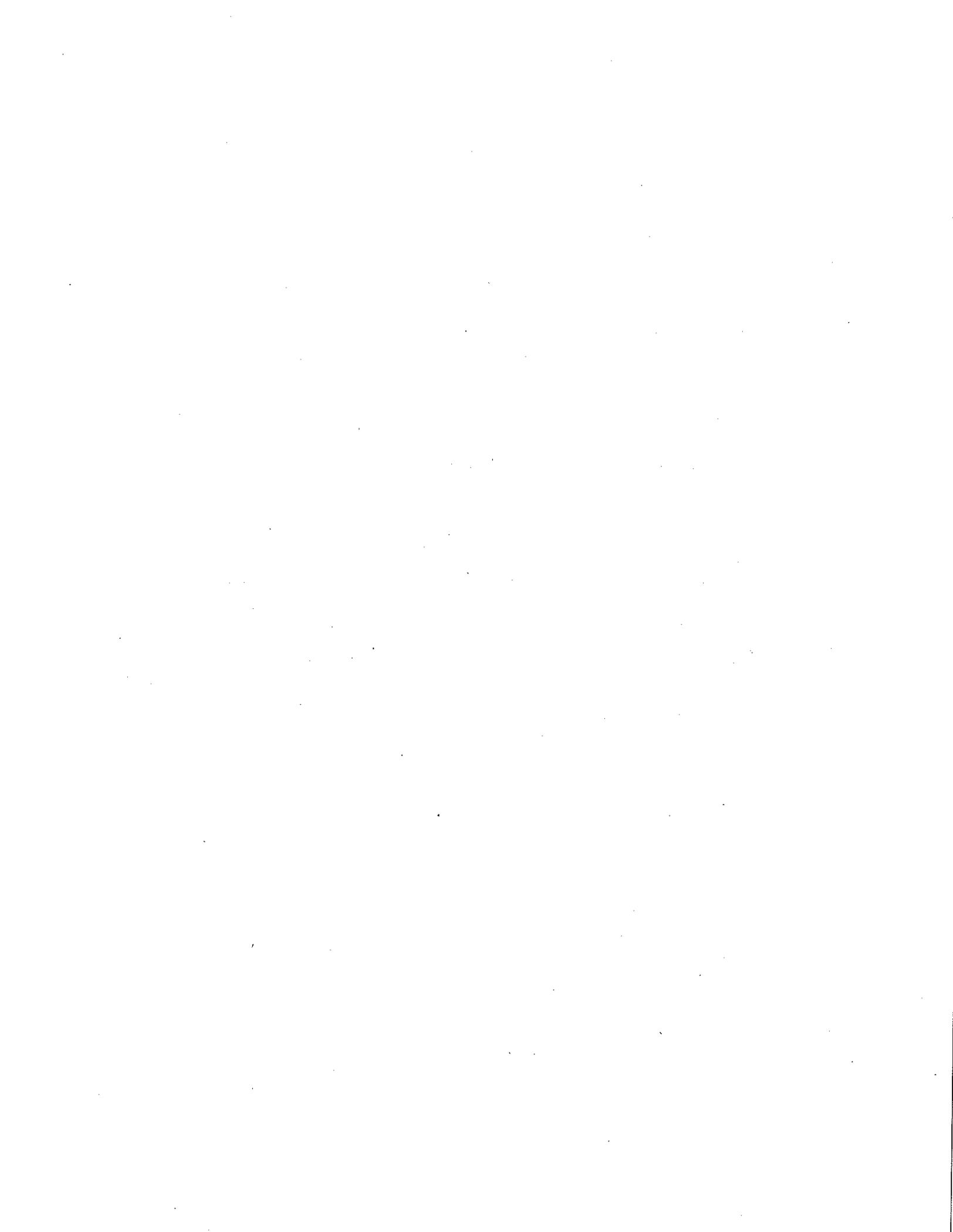
**SIGNATURE**

Dated this 2<sup>nd</sup> day of September, 2014 at the Department of Ecology, Lacey Washington



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



Water Quality Certification Order # 10925  
Statement of Understanding

I, \_\_\_\_\_, state that, I will be involved as a WSDOT employee or an agent or contractor for Washington State Department of Transportation in the SR 167 8<sup>th</sup> Street East Vicinity to South 277<sup>th</sup> Street Vicinity Southbound HOT Lane transportation project in Pierce and King County, WA. I further state that I have read and understand the relevant conditions of Washington Department of Ecology **Water Quality Certification Order #10925** and the applicable permits and approvals referenced therein which pertain to the project-related work for which I am responsible.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Company

\_\_\_\_\_  
Phone number

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, and Zip Code



**Attachment B**  
**Information for As-built Reports**  
**(See Condition F. 6)**

SR 167 8<sup>th</sup> Street East to South 277<sup>th</sup> Street, Southbound HOT Lanes  
Water Quality Certification Order #10925  
Corps Reference # NWS-2008-1276

**Background Information**

- 1) Project name.
- 2) Ecology docket number and the Corps reference number.
- 3) Name and contact information for the parties responsible for the Floodplain Storage Site C including:
  - a) The applicant.
  - b) The landowner.
  - c) Wetland professional on site during construction of the compensatory mitigation site.
- 4) Name and contact information for the party responsible for preparing the report.
- 5) Who the report was prepared for (name, address, and phone number) *{if different from number 3 above.}*
- 6) Month and year the report was produced.

**The Project Site**

- 7) Brief description of the project. Include:
  - a) Project Location.
  - b) Month and year construction of the development project started and ended.

**Floodplain Storage Site C**

- 8) Brief description of the final project with any changes from the approved plan made during construction. Include:
  - a) Directions to the site.
  - b) Who completed the compensatory mitigation project (name, address, and phone number).
  - c) Acreage and type(s) (re-establishment, rehabilitation, creation, enhancement, and preservation) of mitigation.
  - d) Important dates including:
    - ii. When work on Floodplain Storage Site C began and ended.
    - iii. When different activities began and ended such as grading, removal of invasive plants, installing plants, and installing habitat features.
- 9) Description of any problems encountered and solutions implemented (with reasons for changes) during construction of the compensatory mitigation site.
- 10) Any changes to the goals, objectives, and performance standards of the compensatory mitigation project.
- 11) List of any follow-up actions needed, with a schedule.
- 12) Final site maps (8 1/2" x 11" or larger) of the site(s) including the following (at a minimum).
  - a) Geographic location of the site with landmarks;

- b) Clear delineation of the project perimeter(s);
- c) Topography (with a description of how elevations were determined),;
- d) Installed planting scheme (quantities, densities, sizes, and approximate locations of plants, as well as the source(s) of plant material);
- e) Location of habitat features;
- f) Location of permanent photo stations.

The final site maps should reflect on-the-ground conditions after the site work is completed. Include the month and year when the maps were produced and, if applicable, when information was collected.

- 13) Photographs of the site at as-built conditions taken from permanent photo stations. We recommend photo pans.
- 14) Copies of any records of deed notification or conservation easements.