



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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November 9, 2021

King County Water and Land Resources Division
ATTN: Jo Opdyke Wilhelm
201 S Jackson Street, Suite 5600
Seattle, WA 98104

RE: Water Quality Certification Order No. 20757 for Corps Reference No. NWS-2021-44-
WRD, Fall City Floodplain Restoration Project, near Fall City, King County, Washington

Dear Jo Opdyke Wilhelm:

On May 19, 2021, King County Water and Land Resources Division (King County WLRD) submitted a request for a Section 401 Water Quality Certification (WQC) under the federal Clean Water Act for the Fall City Floodplain Restoration project, near Fall City, King County, Washington.

On behalf of the state of Washington, the Department of Ecology certifies that the work described in the Water Quality Certification Request and supplemental documents 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.

Please ensure that anyone doing work under this Order has read, is familiar with, and is able to follow all of the provisions within the attached Order.

If you have any questions about this decision, please contact Rebekah Padgett at (425) 365-6571. The enclosed Order may be appealed by following the procedures described within the Order.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe Burcar".

Joe Burcar, Section Manager
Shorelands and Environmental Assistance Program
Northwest Regional Office

Enclosure

Sent by electronic mail: jo.wilhelm@kingcounty.gov

e-cc: Rory Lee, U.S. Army Corps of Engineers
Kevin Lee, WA Dept. of Fish and Wildlife
Jessica Olmstead, WA Dept. of Natural Resources
Neil Molstad, Ecology
Railin Santiago, Ecology
Lisa Nelson, Ecology
Ralph Svrjcek, Ecology
Heather Khan, Ecology
Marty Jacobson, Ecology
Amy Jankowiak, Ecology
Loree' Randall, Ecology
ecyrefedpermits@ecy.wa.gov

IN THE MATTER OF GRANTING A)	WQC ORDER No. 20757
WATER QUALITY)	Corps Reference No. NWS-2021-44-WRD
CERTIFICATION TO)	Fall City Floodplain Restoration Project,
King County Water and Land Resources)	Snoqualmie River and Wetlands, located near
Division)	Fall City, King County, Washington.
pursuant to 33 U.S.C. 1341 (FWPCA)	
§ 401), RCW 90.48.120, RCW 90.48.260)	
and Chapter 173-201A WAC)	

King County Water and Land Resources Division
ATTN: Jo Opdyke Wilhelm
201 S Jackson Street, Suite 5600
Seattle, WA 98104

On November 20, 2020, King County Water and Land Resources Division submitted a pre-filing meeting request to the Department of Ecology (Ecology) for the Fall City Floodplain Restoration project. Ecology and King County Water and Land Resources Division conducted the pre-filing meeting on December 2, 2020. On May 19, 2021, King County Water and Land Resources Division submitted a request for a Section 401 Water Quality Certification (WQC) under the federal Clean Water Act for the project, located at the Snoqualmie River and in wetlands, within King County, Washington. Upon review, Ecology considered the WQC request valid on May 19, 2021. On May 24, 2021, the Corps informed Ecology that the deadline for making a decision on this project would be November 15, 2021. Ecology issued a public notice for the project on May 27, 2021.

The project proposes to restore natural riverine process such as channel migration and reconnect a portion of the lower Snoqualmie River to its historic floodplain. The project will remove portions of existing flood and erosion protection facilities, including approximately 1,400 feet of the Haffner Revetment (right bank) and approximately 1,300 feet of the Barfuse Revetment (left bank), and directly reconnect the river to approximately 150 acres of historic floodplain. Floodplain connection will be facilitated by the excavation and reconnection of side channel habitat totaling approximately 0.85 mile. Additionally, Neal Road SE will be realigned further from the river, a new 890-foot buried setback revetment will be constructed on the right bank, approximately 1,000 acres of riparian corridor and floodplain forests will be planted with native tree and shrub species, and over 700 pieces of large wood will be installed along with additional small wood pieces and slash.

The project site is located near Fall City, between River Miles 32.9 and 34.0 of the Snoqualmie River, Snoqualmie River and wetlands, King County, Washington, Section 15, Township 24 N., Range 7 E., within Water Resource Inventory Area (WRIA) 7 Snohomish at the following addresses:

- Left bank: 33216 SE Redmond Fall City Road and
- Right bank: 3636 Neal Road SE.

AUTHORITIES

In exercising authority under 33 U.S.C. § 1341, RCW 90.48.120, and RCW 90.48.260, Ecology has reviewed this WQC request 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-
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;
3. Conformance with the provision of using all known, available and reasonable methods to prevent and control pollution of state waters as required by Chapter 90.48.010 RCW;
4. Conformance with Washington's prohibition on discharges that cause or tend to cause pollution of waters of the state of Washington as required by Chapter 90.48.080 RCW; and,
5. The project proponent of the project authorized is responsible for obtaining all other permits, licenses, and certifications that may be required by federal, state, local or tribal authorities.

With this Water Quality Certification (WQC) Order, Ecology is granting with conditions, King County Water and Land Resources Division's request for a Section 401 Water Quality Certification for the Fall City Floodplain Restoration project, Snoqualmie River and wetlands, located in Fall City, King County. Ecology has determined that the proposed discharges will comply with all applicable state water quality requirements, provided the project is conducted in accordance with the Section 401 Water Quality Certification request that Ecology received on May 19, 2021, the supporting documents referenced in Table 1 below, **and the conditions of this WQC Order.**

Table 1. Supporting Documents

Date Received	Document Type	Title & Date	Author
May 14, 2021	State Environmental Policy Act (SEPA)	SEPA Determination of Non-Significance (dated January 4, 2021, signed January 5, 2021)	King County Water and Land Resources Division
May 14, 2021	Project Narrative	Fall City Floodplain Restoration Project Narrative, Snoqualmie River, WRIA 7 (March 16, 2021)	King County Water and Land Resources Division
May 14, 2021	Wetland Delineation	Wetland Delineation Report, Fall City Floodplain Restoration Project, King County, Washington	Herrera Environmental Consultants, Inc.

		(dated December 18, 2020)	
May 14, 2021	Endangered Species Act	Restoration Programmatic for the State of Washington, Specific Project Information Form, Fall City Floodplain Restoration Project (dated March 1, 2021)	King County Water and Land Resources Division
May 14, 2021	Endangered Species Act	Appendix A: FPRP Programmatic Email Guidelines and Implementation Forms (dated March 29, 2021)	King County Water and Land Resources Division
May 19, 2021	Joint Aquatic Resources Permit Application (JARPA) Form	JARPA (dated March 17, 2021)	King County Water and Land Resources Division
May 24, 2021	Endangered Species Act	E-mail to Rebekah Padgett, Ecology, and Jo Wilhelm, King County Water and Land Resources Division, RE: 139740: Fall City Floodplain Restoration 401 WQ cert. (dated May 24, 2021)	Corps
June 7, 2021	Drawings	Fall City Floodplain Restoration Project Permit Plans, Sheets 1 of 62 to 62 of 62 (dated May 2021)	Herrera Environmental Consultants, Inc.
September 29, 2021	Endangered Species Act	Letter to Brad Thompson, U.S. Fish and Wildlife, RE: 2008 Fish Passage and Restoration Programmatic 13410-2008-FWS #F-0209 (dated March 29, 2021)	Corps
September 29, 2021	Endangered Species Act	E-mail to Rory Lee, Corps, RE: Fall City Floodplain Restoration Project (01EWF00-2021-TA-0849/NWS-2021-44) (dated May 7, 2021)	U.S. Fish and Wildlife Service
September 29, 2021	Endangered Species Act	E-mail to National Oceanic and Atmospheric Administration, [RE: ESA Consultation] (dated March 29, 2021)	Corps
September 29,	Joint Aquatic Resources	Attachment E: Aquatic Use Authorization on Department of	King County Water and Land Resources

2021	Permit Application (JARPA) Form	Natural Resource (DNR)-managed aquatic lands (dated September 29, 2021)	Division
October 15, 2021	In-Water Work Window	E-mail to Rebekah Padgett, Ecology, RE: fish window (dated October 15, 2021)	King County Water and Land Resources Division
October 27, 2021	Water Quality Protection	Response to Ecology Comments (matrix dated October 2021)	King County Water and Land Resources Division
October 27, 2021	Water Quality Protection and Monitoring Plan	Fall City Floodplain Restoration Project Water Quality Protection and Monitoring Plan (revision dated October 27, 2021)	King County Water and Land Resources Division

Issuance of this Section 401 Water Quality Certification for this proposal does not authorize King County Water and Land Resources Division 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 Section 401 Water Quality Certification absolves King County Water and Land Resources Division from liability for contamination and any subsequent cleanup of surface waters, ground waters, or sediments resulting from project construction or operations.

Water Quality Certification Conditions

The following conditions will be incorporated into the Corps permit and strictly adhered to by King County Water and Land Resources Division. This WQC 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 WQC Order.

Specific condition justifications and citations required by 40 CFR 121.7(d)(1) are provided below each condition in *italic text*.

A. General Conditions

- In this WQC Order, the term “Project Proponent” shall mean King County Water and Land Resources Division and its agents, assignees, and contractors.
 - Justification - Ecology needs to identify that conditions of this WQC Order apply to anyone conducting work on behalf of the Project Proponent to ensure compliance with the water quality standards and other applicable state laws.*
 - Citation - Chapter 90.48 RCW, Chapter 90.48.080 RCW, Chapter 90.48.120 RCW, Chapter 90.48.260 RCW, Chapter 173-200 WAC, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
- All submittals required by this WQC Order shall be sent to Ecology’s Headquarters Office, Attn: Federal Permit Manager, via e-mail to fednotification@ecy.wa.gov and cc to

Rebekah.Padgett@ecy.wa.gov. The submittals shall be identified with WQC Order #20757 and include the Project Proponent's name, Corps permit number, project name, project contact, and the contact phone number.

- *Justification - Ecology needs to identify where information and submittals are to be submitted to be in compliance with the requirements of this WQC Order.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.120 RCW, Chapter 90.48.260 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
3. Work authorized by this WQC Order is limited to the work described in the WQC request package received by Ecology on May 19, 2021, and the supporting documentation identified in Table 1.
- *Justification - Ecology has the authority to prevent and control pollution of state waters. By authorizing a discharge into a water of the state, through a WQC, Ecology is certifying the project as proposed will not negatively impact our state's water quality. Therefore, it is imperative the project is conducted as it was presented during the review process. Any deviations from information within the WQC Request package and this WQC Order must be disclosed prior to the initiation of the planned work.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.120 RCW, Chapter 90.48.260 RCW, Chapter 173-200 WAC, Chapter 173-201A WAC, Chapter 173-204 WAC, and Chapter 173-225-010 WAC.*
4. The Project Proponent shall keep copies of this WQC 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.
- *Justification - All parties (including on-site contractors) must be aware of and comply with the WQC Order for the protection of water quality.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
5. The Project Proponent shall provide access to the project site and all mitigation sites upon request by Ecology personnel for site inspections, monitoring, and/or necessary data collection, to ensure that conditions of this WQC Order are being met.
- *Justification - Ecology must be able to investigate and inspect construction sites and facilities for compliance with all state rules and laws.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.090 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
6. The Project Proponent 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 WQC Order and all permits, approvals, and documents referenced in this WQC Order. The Project Proponent shall provide Ecology a signed statement (see Attachment A for an example) before construction begins.

- *Justification - Ecology needs to ensure that anyone conducting work at the project, on behalf of the Project Proponent, are aware of and understand the required conditions of this WQC Order to ensure compliance with the water quality standards and other applicable state laws.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
7. This WQC 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 WQC Order.
- *Justification - Ecology has the authority to prevent and control pollution of state waters, and to protect designated uses. By authorizing a discharge into a water of the state, through a water quality certification, we are certifying the project as proposed will not negatively impact our state's water quality and will comply with the state's water quality requirements. Therefore, it is imperative the project is conducted as it was presented during the review process, and as conditioned herein.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-200 WAC, Chapter 173-201A WAC, Chapter 173-201A-300(2)(e)(i) WAC, Chapter 173-201A-310 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
8. Failure of any person or entity to comply with the WQC Order may result in the issuance of civil penalties or other actions, whether administrative or judicial, to enforce the state's water quality standards.
- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses. Civil penalties and other enforcement actions are the primary means of securing compliance with water quality requirements.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.037 RCW, Chapter 90.48.080 RCW, Chapter 90.48.120 RCW, Chapter 90.48.142 RCW, Chapter 90.48.144 RCW, and Chapter 173-225-010 WAC.*
9. The Project Proponent shall provide Ecology documentation for review before undertaking any major changes to the proposed project that could significantly and adversely affect water quality, other than those project changes required by this WQC Order.
- *Justification- Ecology has independent authority to enforce our 401 certification conditions issued through this WQC Order pursuant to RCW 90.48. In order to ensure the project will comply with water quality standards in the event of any major changes, Ecology must be able to review the scope of work involved in the construction and operation of the project, otherwise all work must stop and a new 401 certification pre-filing meeting, followed by a new 401 request (after requisite 30-days) is required.*
 - *Citation - Chapter 90.48 RCW and Chapter 173-201 WAC.*
10. The Project Proponent shall send (per A.2.) a copy of the final Corps permit to Ecology's Federal Permit Manager within two weeks of receiving it.

- *Justification - This condition is needed to ensure that all the conditions of the WQC Order have been incorporated into the federal permit.*

11. Nothing in this WQC Order waives Ecology's discretionary authority to issue additional Orders if Ecology determines that further actions are necessary to implement the water quality laws of the state.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48.120 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*

12. 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 WQC 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. Ecology does not notify the new Applicant that a new WQC Order is required to complete the transfer.
 - *Justification – Ecology needs to ensure that anyone conducting work at the project, including any new owners or operators, are aware of and understand the required conditions of this WQC Order to ensure compliance with the water quality standards and other applicable state laws.*
 - *Citation – Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*

B. Notification Requirements:

1. The following notification shall be made via phone or e-mail (e-mail is preferred) to Ecology's Federal Permit Manager via e-mail to fednotification@ecy.wa.gov and cc to Rebekah.Padgett@ecy.wa.gov. Notifications shall be identified with WQC Order #20757 Corps reference #NWS-2021-44-WRD, and include the Project Proponent name, project name, project location, project contact and the contact phone number.

- a. Immediately following a violation of state water quality standards or when the project is out of compliance with any conditions of this WQC Order,
- b. At least ten (10) days prior to all pre-construction meetings,
- c. At least ten (10) days prior to conducting initial in-water work activities, and
- d. Within seven (7) days of completing each in-water work window.
 - *Justification - Ecology must be aware of when a project starts and ends and whether there are any issues. This allows Ecology to evaluate compliance with the state water quality requirements.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204 WAC, and Chapter 173-225-010 WAC.*

2. In addition to the phone or e-mail notification required under B.1.a. above, the Project Proponent 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.
 - *Justification - Ensure the Project Proponent remains in full compliance with state water quality requirements for the duration of the project.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.120 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
3. If the project construction is not completed within 13 months of issuance of this WQC Order, the Project Proponent shall submit per Condition A2 a written construction status report and submit status reports every 12 months until construction and mitigation are completed.
 - *Justification - Ecology must be aware of when a project starts and ends and whether there are any issues. This allows Ecology to evaluate compliance with the state water quality requirements.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204 WAC, and Chapter 173-225-010 WAC.*

C. Timing

1. This WQC Order is not effective until the U.S. Corps of Engineers (Corps) issues a permit for this project and will remain valid for the duration of the associated permit for the project.
 - *Justification – Certifications are required for any license or permit that authorizes an activity that may result in a discharge or fill material into waters. This WQC Order is not valid until the Federal agency issues a permit. Additionally, Ecology needs to be able to specify how long the WQC Order will be in effect.*
 - *Citation –Chapter 90.48 RCW, Chapter 173-201A WAC, and Chapter 173-225-010 WAC.*
2. The following in-water work windows apply to the project:
 - a. All activities below the Ordinary High Water Line of the Snoqualmie River and side channels may be conducted between July 1 and September 15 of any year.
 - b. Setting up construction access across the left bank side channel or Wetland B on the right bank may be conducted between May 1 and June 30 of any year, if necessary.
 - *Justification - This condition is reaffirming the project will take place during a time period that will not harm fish or other aquatic species.*
 - *Citation - Chapter 77.55 RCW, Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300 WAC, Chapter 173-201A-330 WAC, Chapter 173-225-010 WAC, and Chapter 220-660 WAC.*

3. Any project change that requires a new or revised Hydraulic Project Approval (HPA) from the Department of Fish and Wildlife should be sent to Ecology for review before the change is implemented.
 - *Justification - This condition is reaffirming the project will take place during a time period that will not harm fish or other aquatic species.*
 - *Citation - Chapter 77.55 RCW, Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300 WAC, Chapter 173-201A-330 WAC, Chapter 173-225-010 WAC, and Chapter 220-660 WAC.*

D. Water Quality Monitoring & Criteria

1. This WQC Order does not authorize the Project Proponent to exceed applicable turbidity standards beyond the limits established in WAC 173-201A-200(1)(e)(i).
 - *Justification - This condition provides citation to the appropriate water quality standard criteria to protect surface waters of the state. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
2. This WQC Order authorizes a temporary of mixing per Table 1 (see Condition D3).
 - *Justification - This condition is necessary to ensure that the monitoring as proposed by the Project Proponent and authorized by Ecology is conducted to protect water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
3. The Project Proponent shall comply with the point of compliance for turbidity identified in Table 1.

Table 1: Area of Mixing

Activity	Waterbody	Point of Compliance	Larger Area of Mixing Authorized? Y/N
Barfuse levee removal	Snoqualmie River mainstem	≤1.6 miles	Y
Left bank (LB) side channel excavation	side channels	300 feet	N
Connect LB side channel outlet	Snoqualmie River mainstem	≤1.6 miles	Y

Haffner revetment removal - upstream section & flank protection, buried log structures	Snoqualmie River mainstem	≤1.6 miles	Y
Haffner revetment removal - middle section	Snoqualmie River mainstem	≤5 miles	Y
Haffner revetment removal - downstream section	Snoqualmie River mainstem	≤1.6 miles	Y
Excavate riffle & introduce water into excavated riffle	Snoqualmie River mainstem (LB head of mid-channel gravel bar)	≤5 miles	Y
Remove diversion dam	Snoqualmie River mainstem	≤5 miles	Y
Right bank (RB) side channel excavation	Side channels	300 feet	N
Connect RB side channel outlets	Snoqualmie River mainstem	≤5 miles	Y
1936 channel rock removal	1936 channel	300 feet	N
RB side channel outlet excavation, rock removal, buried log structure	Snoqualmie River mainstem & RB side channel outlet	≤1.6 miles	Y
Water quality best management installation & removal	Snoqualmie River mainstem	≤1.6 miles	Y
All other activities not listed above	Snoqualmie River mainstem & side channels	300 feet	N

- *Justification - This condition is necessary to ensure that the monitoring as proposed by the Project Proponent and authorized by Ecology is conducted to protect water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

4. Visible turbidity anywhere beyond the temporary area of mixing (point of compliance) from the activity shall be considered an exceedance of the standard.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and know if there are exceedances of the water quality standards that protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
5. The Project Proponent shall implement the *Fall City Floodplain Restoration Project Water Quality Protection and Monitoring Plan (WQPMP)*, prepared by King County Water and Land Resources Division, dated October 27, 2021, as proposed and approved by Ecology.
- *Justification - This condition is necessary to ensure that the monitoring and BMP's that are proposed by the Project Proponent and authorized by Ecology are conducted to protect water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
6. Monitoring results shall be submitted weekly to Ecology's Federal Permit Manager, per condition A.2.
- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and know if there are exceedances of the water quality standards that protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
7. Ecology may ask or could use its discretionary authority to require the Project Proponent to provide mitigation and/or additional monitoring if the monitoring results indicate that the water quality standards have not been met.
- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution and know if there are exceedances of the water quality standards that protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, and Chapter 173-204 WAC.*

E. Construction

General Conditions

1. All work in and near waters of the state shall be conducted to minimize turbidity, erosion, and other water quality impacts. Construction stormwater, sediment, and erosion control Best Management

Practices (BMPs) suitable to prevent exceedances of state water quality standards shall be in place before starting maintenance and shall be maintained throughout the duration of the activity.

- *Justification - Disturbed areas without appropriate BMPs and construction methods can discharge excess sediment to waters of the state and degrade water quality. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
2. All clearing limits, stockpiles, 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.
- *Justification -Ensures that the project proponent preserves sensitive areas from discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
3. No stockpiling or staging of materials shall occur at or below the OHWM of any waterbody.
- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
4. The Project Proponent shall obtain and comply with the conditions of the Construction Stormwater Permit (National Pollutant Discharge Elimination System - NPDES) issued for this project.
- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
5. No petroleum products, fresh concrete, lime or concrete, chemicals, or other toxic or deleterious materials shall be allowed to enter waters of the state.
- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation -Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

6. All construction debris, excess sediment, and other solid waste material shall be properly managed and disposed of in an upland disposal site approved by the appropriate regulatory authority.
 - *Justification - Ecology must be assured that the Project Proponent is managing and disposing of material to protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation- Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
7. All equipment being used below the ordinary high water mark shall utilize biodegradable hydraulic fluid.
 - *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
8. Clean Fill Criteria: Applicant shall ensure that fill (gravel, sediment, or other material) placed for the proposed project does not contain toxic materials in toxic amounts.
 - *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

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.
 - *Justification - Requiring a minimum setback ensures that material will not end up in waters of the state. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
10. Equipment used for this project shall be free of external petroleum-based products while used around the waters of the state, including wetlands. Accumulation of soils or debris shall be

removed from the drive mechanisms (wheels, tires, tracks, etc.) and the undercarriage of equipment prior to its use around waters of the state, including wetlands.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

11. No equipment shall enter, operate, be stored or parked within any sensitive area except as specifically provided for in this WQC Order.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

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.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 173-200, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

13. Wash water containing oils, grease, or other hazardous materials resulting from washing of equipment or working areas shall not be discharged into state waters. The Project Proponent shall set up a designated area for washing down equipment.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

14. Turbidity curtains, portadams, supersack diversion barriers, and bulk bag deflectors shall be properly deployed and maintained in order to minimize turbidity and re-suspension of sediment.

- *Justification - This condition would ensure containment and limit movement of sediment that could cause water quality exceedances. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

Dewatering

15. Turbid de-watering 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.
 - *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
16. 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.
 - *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*
17. All equipment associated with dewatering activities shall be properly operated and maintained.
 - *Justification - Maintained equipment is less likely to fail or leak pollutants. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, Chapter 173-225-010 WAC.*

Bankline Work

18. Excavation activity both in-water and above the Ordinary High Water Mark shall be conducted in a controlled manner, in compliance with water quality standards for turbidity.

- *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, and Chapter 173-225-010 WAC.*

F. Post-Construction Planting, Maintenance, and Monitoring Condition

1. Post-construction planting, maintenance, and monitoring activities shall be conducted in the manner described in the *Fall City Floodplain Restoration Project Narrative*, and as shown on the *Fall City Floodplain Restoration Project Permit Plans*.
 - *Justification - The proposed project is self-mitigating, and various additional enhancement activities are proposed. These activities may have some short-term effects but should improve water quality in the long-term.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.54 RCW, Chapter 90.74 RCW, Chapter 173-201A-260 (3)(i-ii) WAC, Chapter 173-201A-300 WAC, and Chapter 173-225-010 WAC.*

G. Emergency/Contingency Measures

1. The Project Proponent shall develop and implement a spill prevention and containment plan for this project.
 - *Justification - Ecology must ensure that the Project Proponent has a plan to prevent pollution from entering waterways. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 90.56.280 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, Chapter 173-225-010 WAC, and Chapter 173-303-145 WAC.*
2. The Project Proponent shall have adequate and appropriate spill response and cleanup materials available on site to respond to any release of petroleum products or any other material into waters of the state.
 - *Justification - Ecology must have assurance that the Project Proponent has the material readily available in WQC Order to address any spills that might occur to protect waters of the state. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 90.56.280 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, Chapter 173-225-010 WAC, and Chapter 173-303-145 WAC.*

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.
 - *Justification - Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 90.56.280 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, Chapter 173-225-010 WAC, and Chapter 173-303-145 WAC.*
4. Work causing distressed or dying fish and discharges of oil, fuel, or chemicals into state waters or onto land with a potential for entry into state waters is prohibited. If such work, conditions, or discharges occur, the Project Proponent shall notify Ecology's Federal Permit Manager per condition A2 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 prevent further environmental damage.
 - c. In the event of a discharge of oil, fuel, or chemicals into state waters, or onto land with a potential for entry into state waters, containment and cleanup efforts shall begin immediately and be completed as soon as possible, taking precedence over normal work. Cleanup shall include proper disposal of any spilled material and used cleanup materials.
 - d. Immediately notify Ecology's Regional Spill Response Office and the Washington State Department of Fish & Wildlife with the nature and details of the problem, any actions taken to correct the problem, and any proposed changes in operation to prevent further problems.
 - e. Immediately notify the National Response Center at 1-800-424-8802, for actual spills to water only.
 - *Justification - This condition is necessary to prevent oil and hazardous materials spills from causing environmental damage and to ensure compliance with water quality requirements. The sooner a spill is reported, the quicker it can be addressed, resulting in less harm. Ecology must protect waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.*
 - *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 90.56.280 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, Chapter 173-225-010 WAC, and Chapter 173-303-145 WAC.*
5. 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.
 - *Justification - Oil and hazardous materials spills cause environmental damage. The sooner a spill is reported, the quicker it can be addressed, resulting in less harm. Ecology must protect*

waters of the state from all discharges and potential discharges of pollution that can affect water quality to protect aquatic life and beneficial uses.

- *Citation - Chapter 90.48 RCW, Chapter 90.48.030 RCW, Chapter 90.48.080 RCW, Chapter 90.56 RCW, Chapter 90.56.280 RCW, Chapter 173-201A WAC, Chapter 173-201A-300-330 WAC, Chapter 173-204-120 WAC, Chapter 173-225-010 WAC, and Chapter 173-303-145 WAC.*

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 both 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
Department of Ecology Attn: Appeals Processing Desk 300 Desmond Drive SE Lacey, WA 98503	Department of Ecology Attn: Appeals Processing Desk PO Box 47608 Olympia, WA 98504-7608
Pollution Control Hearings Board 1111 Israel Road SW STE 301 Tumwater, WA 98501	Pollution Control Hearings Board PO Box 40903 Olympia, WA 98504-0903

CONTACT INFORMATION

Please direct all questions about this WQC Order to:

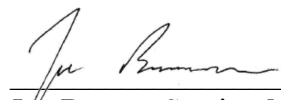
Rebekah Padgett
Department of Ecology
(425) 365-6571
Rebekah.Padgett@ecy.wa.gov

MORE INFORMATION

- **Pollution Control Hearings Board Website**
<http://www.eluho.wa.gov/Board/PCHB>
- **Chapter 43.21B RCW - Environmental and Land Use Hearings Office – Pollution Control Hearings Board**
<http://app.leg.wa.gov/RCW/default.aspx?cite=43.21B>
- **Chapter 371-08 WAC – Practice And Procedure**
<http://app.leg.wa.gov/WAC/default.aspx?cite=371-08>
- **Chapter 34.05 RCW – Administrative Procedure Act**
<http://app.leg.wa.gov/RCW/default.aspx?cite=34.05>
- **Chapter 90.48 RCW – Water Pollution Control**
<http://app.leg.wa.gov/RCW/default.aspx?cite=90.48>
- **Chapter 173.204 WAC – Sediment Management Standards**
<http://apps.leg.wa.gov/WAC/default.aspx?cite=173-204>
- **Chapter 173-200 WAC – Water Quality Standards for Ground Waters of the State of Washington**
<http://apps.leg.wa.gov/WAC/default.aspx?cite=173-200>
- **Chapter 173-201A WAC – Water Quality Standards for Surface Waters of the State of Washington**
<http://apps.leg.wa.gov/WAC/default.aspx?cite=173-201A>

SIGNATURE

Dated this 9th day of November 2021, at the Department of Ecology, Shoreline, Washington.



Joe Burcar, Section Manager
Shorelands and Environmental Assistance Program
Northwest Regional Office

Attachment A

**Statement of Understanding
Water Quality Certification Conditions**

Fall City Floodplain Restoration

Water Quality Certification WQC Order #20757

As the Project Proponent for Fall City Floodplain Restoration project, I have read and understand the conditions of Washington State Department of Ecology WQC Order #20757, and any permits, plans, documents, and approvals referenced in the WQC Order. I have and will continue to ensure that all project engineers, contractors, and other workers at the project site with authority to direct work have read and understand the conditions of this WQC Order and any permits, plans, documents, and approvals referenced in the WQC Order.

Signature _____ Date _____

Title _____ Phone _____

Company _____