



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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June 26, 2020

Michael Cawrse
Seattle Department of Transportation
PO Box 34996 MS 3800
Seattle, WA 98124-4996

Order Docket #	18180
Site Location	2020 NW Market St AAC Paving NW Market St between 24th Ave NW and 15th Ave NW Seattle, WA 98107

Re: Administrative Order

Dear Michael Cawrse:

The Department of Ecology (Ecology) has issued the enclosed Administrative Order (Order) requiring Seattle Department of Transportation to comply with:

- Chapter 90.48 Revised Code of Washington (RCW) – State of Washington Water Pollution Control Act.
- Chapter 173-201A Washington Administrative Code (WAC) – Water Quality Standards for Surface Waters of the State of Washington.
- National Pollutant Discharge Elimination System (NPDES) Construction Stormwater General Permit, Permit Number WAR309054.

If you have questions please contact Mathew Kwartin at 425-649-4484 or by email at mkwa461@ecy.wa.gov.

Sincerely,

Handwritten signature of Rachel McCrea in cursive.

Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

Enclosure: Administrative Order Docket #18180

Sent by Certified Mail: 9171 9690 0935 0214 2270 92

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

IN THE MATTER OF AN) ADMINISTRATIVE ORDER
ADMINISTRATIVE ORDER) DOCKET # 18180
AGAINST)
Seattle Department of Transportation)
)

To: Michael Cawrse
Seattle Department of Transportation
PO Box 34996 MS 3800
Seattle, WA 98124-4996

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Site Location	2020 NW Market St AAC Paving NW Market St between 24th Ave NW and 15th Ave NW Seattle, WA 98107

The Department of Ecology (Ecology) has issued this Administrative Order (Order) requiring Seattle Department of Transportation to comply with:

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This is an Administrative Order in accordance with General Condition G13 (Additional Monitoring) as set forth in the Construction Stormwater General Permit. RCW 90.48.120(2) RCW authorizes Ecology to issue Administrative Orders to accomplish the purposes of Chapter 90.48 RCW.

ORDER TO COMPLY

Background:

Seattle Department of Transportation (DOT) has received coverage under the Construction Stormwater General Permit (CSWGP) No. WAR309054, for construction activities associated with the construction site known as the 2020 NW Market St AAC Paving project. The project involves 4.4 acres of soil disturbance for pavement repair and replacement, sidewalk repair and pedestrian crossing improvements, ADA curb ramp upgrades, and stormwater and other utility construction activities. The receiving water body after treatment will be the Lake Washington

Ship Canal – Salmon Bay. This is a 303(d) listed waterbody for lead, pH, Aldrin and bacteria. Seattle Department of Transportation reported that part of the construction site contains contaminated soil and/or groundwater which contains pollutants that may be discharged due to the proposed construction activity. The CSWGP does not have water quality sampling or benchmarks for the known constituents of concern listed in Table 1; however, the permit requires compliance with the Chapter 173-201A Washington Administrative Code (WAC) – Water Quality Standards for Surface Waters of the State of Washington (WAC 173-201A).

The Order establishes Indicator Levels for the Seattle Department of Transportation project. Indicator Levels express a pollutant concentration used as a threshold, below which a pollutant is considered unlikely to cause a water quality violation, and above which it may. Indicator Levels in this Administrative Order were derived from Chapter 173-201A WAC and the analytical method's minimum quantitation level.

For these reasons and in accordance with RCW 90.48.120(2) it is ordered that Seattle Department of Transportation take the following actions. These actions are required at the location known as the 202 NW Market St AAC Paving project located at NW Market Street between 24th Ave NW and 15th Ave NW, Seattle, WA 98107. In the event of a permit transfer to another Permittee, compliance with this Administrative Order and the actions listed below is required.

Immediately upon receipt of this Order and continuously thereafter Seattle Department of Transportation must:

- Install all pre-treatment and treatment systems prior to any discharge of contaminated dewatering water or contaminated construction stormwater to the receiving water body.
- Capture, contain, and treat all contaminated dewatering or contaminated stormwater prior to discharge to the receiving water body.
- Use an Ecology-approved treatment system and media filtration to treat any contaminated dewatering water or contaminated stormwater. Ecology must be notified in advance if any changes in the treatment are made, with the exception of routine maintenance.
- All captured sediment from the treatment of the dewatering water or contaminated stormwater must be transported to an approved disposal facility based on the level of contamination.

The treatment system must have enough capacity to hold the treated dewatering water or stormwater until it has been tested to determine if any of the Indicator Levels listed in Table 1 have been exceeded. No dewatering water or stormwater may be discharged before it has been tested for the parameters listed in Table 1. If any of the Indicator Levels listed in Table 1 are exceeded, the treated dewatering water or stormwater must not be discharged to the receiving water body. The treated dewatering water or stormwater may be discharged to the receiving water body if it has been treated and retested to determine that all parameters are equal to or below the Indicator Levels listed in Table 1. If any of the Indicator Levels are exceeded after being retested, Seattle Department of Transportation shall truck the contaminated storm or

groundwater off-site for disposal in an approved manner. Seattle Department of Transportation may also discharge to sanitary sewer if authorization from the proper sewer authority has been obtained and Ecology is notified of the change.

Once the effectiveness of the treatment system has been determined, Seattle Department of Transportation may revert to a flow-through treatment system after the minimum two sampling and testing events and upon written approval from Ecology. The flow-through treatment system design must be submitted to Ecology for review prior to use.

- If a flow-through treatment system is adopted, all dewatering water or contaminated stormwater must be sampled weekly while discharging and tested for the parameters listed in Table 1.
- When using a flow-through treatment system, if any of the Indicator Levels listed in Table 1 are exceeded, Seattle Department of Transportation must stop the discharge of treated dewatering water or stormwater to the receiving water body until it has been retested to determine that all parameters are equal to or below the Indicator Levels in Table 1. If any of the Indicator Levels are exceeded after being retested, Seattle Department of Transportation shall modify the existing flow-through treatment system to increase its effectiveness or install an Ecology-approved treatment system or truck the contaminated stormwater or groundwater off-site for disposal in an approved manner.
- Sampling for the contaminants listed in Table 1 must be reported on the required Discharge Monitoring Report (DMR) according to Permit Conditions (S5.B Discharge Monitoring Reports).
- If sampling is conducted more frequently than required by this Order, the results of this monitoring must be included in the calculation and reporting of the data that is submitted in the Discharge Monitoring Reports (DMRs).
- Any discharge to waters of the state in exceedance of the contaminant Indicator Levels in Table 1 except for pH criteria shall be reported according to Permit Condition S5.F, Noncompliance Notification as follows:
 - Immediately notify Ecology of noncompliance by calling the regional 24-hour Environmental Report Tracking System (ERTS) phone number (425) 649-7000.
 - Cease the discharge until indicator levels can be met.
 - Submit a detailed, written report to Ecology within five (5) days, unless requested earlier by Ecology. See Permit condition S5.F.3 for Noncompliance Notification requirements.
- All samples must be analyzed by a laboratory registered or accredited under the provisions of Accreditation of Environmental Laboratories, Chapter 137-50 WAC.
- All sampling data must be reported monthly on Discharge Monitoring Reports (DMRs) electronically using Ecology's secure online system WQWebDMR, in accordance to Permit Condition S5.B. If the measured concentration is below the detection level, then Seattle Department of Transportation shall report single analytical values below detection as "less than the detection level (DL)" by entering "<" followed by the numeric value of

the detection level (e.g. “<0.1”). All other values above DL must be reported as the numeric value.

- Contaminated soils excavated during construction will be hauled off-site without stockpiling to an approved disposal facility based on the level of contamination. When it is not feasible to haul soils off-site, the soils must be covered or placed in a covered area to minimize contact with stormwater.
- Noncompliance with permit requirements or the provisions of this Order must be immediately reported to the Northwest Regional Office of the Department of Ecology in accordance with Permit Condition S5.F, Noncompliance Notification.
- If a modification of the Order is desired, a written request shall be submitted to Ecology and if approved, Ecology will issue an amendment to this Order.

Ecology retains the right to make modifications to this Order through supplemental Order, or amendment to this Order, if it appears necessary to further protect the public interest. This Order does not exempt Seattle Department of Transportation from any Construction Stormwater General Permit requirement.

Table 1.

Seattle Department of Transportation must use the specified analytical methods, detection limits (DLs) and quantitation levels (QLs) in the following table for monitoring unless the method used produces measurable results in the sample and EPA has listed it as an EPA-approved method in 40 CFR Part 136. Seattle Department of Transportation uses an alternative method, not specified in the order and as allowed above, it must report the test method, DL, and QL on the discharge monitoring report.

Pollutant & CAS No. (if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol (or equivalent)	Detection Level, µg/L	Quantitation Level, µg/L
Petroleum Hydrocarbons						
BTEX (benzene, toluene, ethylbenzene and O,M,P xylenes)	Batch/Weekly*	Grab	2.0 ^a	SW 846 8012/8260	1.0	2.0
Diesel and Oil-Range Hydrocarbons (NWTPH-Dx) ^b	Batch/Weekly*	Grab	250 ^a	NWTPH-Dx	250	250
Gasoline- Range Hydrocarbons (NWTPH-Gx) ^c	Batch/Weekly*	Grab	250 ^a	NWTPH-Gx	250	250
Metals						
Lead, Total (7439-92-1)	Batch/Weekly*	Grab	27.47 ^d	200.8	0.1	0.5
PAHs						
Naphthalene (91-20-3)	Batch/Weekly*	Grab	0.6 ^a	625.1	1.6	4.8
VOCs						
Tetrachloroethylene (127-18-4)	Batch/Weekly*	Grab	12.3 ^a	624.1	4.1	12.3

Pollutant & CAS No. (if available)	Sampling Frequency	Sample Type	Indicator Level, µg/L unless otherwise noted	Required Analytical Protocol (or equivalent)	Detection Level, µg/L	Quantitation Level, µg/L
Trichloroethylene (79-01-6)	Batch/Weekly*	Grab	5.7 ^a	624.1	1.9	5.7
Cis-1,2-Dichloroethene (156-59-2)	Batch/Weekly*	Grab	5.0 ^a	8260	5.0	5.0
Vinyl chloride (75-01-4)	Batch/Weekly*	Grab	2.0 ^a	624/SM6200B	1.0	2.0
Methyl tert-butyl ether (1634-04-4)	Batch/Weekly*	Grab	1.0 ^a	624/8260	1.0	1.0
Chloroform (67-66-3)	Batch/Weekly*	Grab	4.8 ^a	624.1 or SM6210B	1.6	4.8
CONSTRUCTION STORMWATER GENERAL PERMIT BENCHMARKS						
Parameter	Sampling Frequency	Sample Type	Benchmark (unless otherwise specified)	Analytical Method		
Turbidity	Batch/Weekly*	Grab	25 NTU	SM2130 ^e		
pH	Batch/Weekly*	Grab	6.5 - 8.5 SU LIMIT	SM4500-H ⁺ B		
NOTES						
^a	No applicable surface water criterion, value is laboratory quantitation level.					
^b	NWTPH-Dx = Northwest Total Petroleum Hydrocarbons – Semi-volatile (“diesel”) for diesel range organics and heavy oils (includes jet fuels, kerosene, diesel-oils, hydraulic fluids, mineral oils, lubricating oils, and fuel oils).					
^c	NWTPH-Gx = Northwest Total Petroleum Hydrocarbons-Volatile petroleum products including aviation and automotive gasolines, mineral spirits, Stoddard solvent, and naphtha.					
^d	Acute – Freshwater Toxic Substances Criteria (WAC 173-201A-240) Based on Hardness of 46.0 mg/L for Hardness Depended Metals. The Indicator Level for hardness dependent metals is expressed as a dissolved metal value. Meeting the Indicator Level using analytical protocol for total or dissolved metal values meets the intent of this order.					
^e	Or equivalent.					
*	If permission is granted for flow through, sampling will then be weekly.					

FAILURE TO COMPLY WITH THIS ORDER

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

YOUR RIGHT TO APPEAL

You have a right to appeal this Order to the Pollution Control Hearing Board (PCHB) within 30 days of the date of receipt of this Order. The appeal process is governed by Chapter 43.21B RCW and Chapter 371-08 WAC. “Date of receipt” is defined in RCW 43.21B.001(2).

To appeal you must do 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.

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

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 Order to:

Mathew Kwartin
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452
Phone: (425) 649 - 4484
Email: mkwa461@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>
- **Ecology's Laws, rules, & rulemaking website**
<https://ecology.wa.gov/About-us/How-we-operate/Laws-rules-rulemaking>

SIGNATURE



6/26/2020

Rachel McCrea
Water Quality Section Manager
Northwest Regional Office
Washington State Department of Ecology

Date