

Washington Department of Ecology Electronic Submission Cover Letter



WQWebSubmittal - Submittal Submission Id: 1814339 - 3/23/2022 3:29:16 PM

Company Name	Signer Name	System Name
Port of Seattle	Jane Dewell	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Port of Seattle	Copy of Record PortofSeattle Wednesday March 23 2022
WAR044701_13a_03182022083825	2021_IDDE_XML_rev_13a_03182022083825

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



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Water Quality Program

Permit Submittal Electronic Certification

Permittee: PORT OF SEATTLE

Permit Number: WAR044701

Site Address: PIER 69
Seattle, WA 98111

Submittal Name: MS4 Annual Report Phase I Ports

Version: 1

Due Date: 3/31/2022

Questionnaire

Number	Permit Section	Question	Answer
1	S9.E.5	Attach a notification of any jurisdictional boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period. per S9.E.5.	Not Applicable
2	S6.E.1.a	Made educational material available to tenants and employees. (S6.E.1.a)	Yes
3	S6.E.1.a	Made the annual report and most recent version of the SWMP Plan available on website. (S6.E.2)	Yes
4	S6.E.1.b	Complied with all relevant ordinances, rules, and regulations of the local jurisdiction(s) that govern non-stormwater discharges? (S6.E.3.a)	Yes
5	S6.E.2	Implemented policies to prohibit illicit discharges. (S6.E.3.b)	Yes
6	S6.E.3.b	Implemented an enforcement plan to ensure compliance with illicit discharge policies. (S6.E.3.b)	Yes
7	S6.E.3.c	Maintained mapping data for the features listed in S6.E.3.c?	Yes
8	S6.E.3.c	Mapped tributary conveyances and the associated drainage areas of MS4 outfalls with a 12 inch nominal diameter or larger, or an equivalent cross-sectional area for non-pipe systems? (S6.E.3.c.ii)	Yes
9	S6.E.3.c	Mapped known connections greater than or equal to 8 inches in nominal diameter to mapped tributary conveyances? (S6.E.3.c.iii)	Yes
10	S6.E.3.c	Implemented a program to document operation and maintenance records for stormwater treatment and flow control BMPs/facilities and catch basins? (S6.E.3.c.v)	Yes
11	S6.E.3.d	Conducted field screening of at least 20% of the MS4 to detect illicit discharges and illicit connections? (S6.E.3.d)	Yes Comment: Field screening conducted for 22% of the Port's MS4.
12	S6.E.3.d	Implemented procedures to identify and remove illicit discharges and illicit connections? (S6.E.3.d)	Yes

13	S6.E.3.d	Number of illicit discharges, including illicit connections, eliminated during the reporting period: (S6.E.3.d).	6 Comment: Six illicit discharges identified and eliminated in 2021. Illicit discharge information included in Attachment 1 as a zipped .xml file.
14	S6.E.3.E	Implemented a spill response plan that includes coordination with a qualified spill responder? (S6.E.3.e)	Yes
15	S6.E.3.E	Provided staff training or coordinated with existing training efforts to educate staff on proper BMPs for preventing illicit discharges and for identifying, reporting, and responding as appropriate? (S6.E.3.f)	Yes
16	S6.E.4	Complied with all relevant ordinances, rules, and regulations of the local jurisdiction(s) that govern construction phase stormwater pollution prevention measures? (S6.E.4.a)	Yes
17	S6.E.4	Ensured that all construction projects under the functional control of the Permittee obtained applicable NPDES permit coverage? (S6.E.4.b)	Yes
18	S6.E.4.a	Coordinated with local jurisdiction(s) on construction projects owned or operated by other entities that discharge into the Permittee's MS4? (S6.E.4.c)	Yes
19	S6.E.4.b	Provided staff training or coordinated with existing training efforts to educate staff on erosion and sediment control BMPs and requirements, or hired trained contractors to perform the work? (S6.E.4.d)	Yes
20	S5.E.4.c	Provided access, as requested, for inspection of construction sites under the functional control of the Permittee during land disturbing activities and/or the construction period? (S6.E.4.e)	Yes
21	S6.E.4.E	Complied with all relevant ordinances, rules, and regulations of the local jurisdiction(s) that govern post-construction stormwater pollution prevention measures, including proper operation and maintenance of the MS4? (S6.E.5.a)	Yes
22	S6.E.4.e	Coordinated with local jurisdiction regarding projects owned or operated by other entities which discharge into the Permittee's MS4? (S6.E.5.b)	Yes
23	S6.E.5.a	Implemented an operation and maintenance (O&M) manual for all stormwater treatment and flow control BMPs/facilities and catch basins? (S6.E.6.a)	Yes
24	S6.E.5.b	Updated the O&M manual following discovery or construction of new stormwater facilities? (S6.E.6.a.i)	Yes
25	S6.E.6.a	Updated maintenance standards, as necessary, per S6.E.6.a.ii?	Yes
26	S6.E.6.b	Inspected stormwater facilities listed in the O&M manual and took appropriate maintenance action? (S6.E.6.b)	Yes

26a	S6.E.6.b	Number of stormwater facilities inspected during the reporting period?	1625
26b	S6.E.6.b	Number of maintenance actions taken during the reporting period?	152
27	S6.E.6.c	Provided appropriate training for maintenance staff? (S6.E.6.c)	Yes
28	S6.E.6.d	Maintained records of inspections and maintenance activities? (S6.E.6.d)	Yes
29	S6.E.7	Updated Stormwater Pollution Prevention Plans (SWPPPs) as necessary? (S6.E.7.a)	Yes
30	S6.E.8	Inspected at least 20% of all sites covered by SWPPPs required under this permit? (S6.E.7.d.)	Yes
30a	S6.E.9	Number of sites covered under SWPPPs?	46
30b	S6.E.10	Number of sites inspected?	14
31	S6.E.11	SWPPPs include measures to prevent, identify and respond to illicit discharges, including illicit connections, spills and improper disposal? (S6.E.7.f)	Yes
32	S6.E.12	SWPPPs include a component related to inspection and maintenance of stormwater facilities and catch basins that is consistent with the O&M Program? (S6.E.7.g)	Yes
33	S7.A	Is there an approved Total Maximum Daily Load (TMDL) applicable to stormwater discharges from a MS4 owned or operated by the Permittee? (S7)	No
34	S7.A	Complied with the specific requirements identified in Appendix 2. (S7.A)	Not Applicable
35	S7.A	Attached status report of TMDL implementation. (S7.A)	Not Applicable
36	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware that the non-compliance has occurred. (G20)	Not Applicable
37	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment. (G3)	Yes
38	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Yes
39	S4.F.3.d	If applicable, attached a summary of the status of implementation of any actions taken pursuant to S4.F.3, and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d)	Not Applicable
40	S8.A	Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year (S8.A.2.a)?	Yes

42	S8.B	Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year (S8.B.2.a or S8.B.2.c)?	Yes
46	S8.B	If conducting a study per S.8.B.2.c, began full implementation of the effectiveness in accordance with the schedule in the approved QAPP, and submitted required reports? (S8.B.2.c.ii.(c))	Not Applicable
48	S8.C	If conducting stormwater discharge monitoring in accordance with S8.C.2, attach a data and analysis report per S8.C.2.d. and Appendix 9. (Due annually beginning March 31, 2021)	Not Applicable

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Jane Dewell

3/23/2022 3:29:15 PM

Signature

Date

APPENDIX 5 – Annual Report Questions for the Port of Seattle and the Port of Tacoma

Permittees are required to submit annual reports online or in a format provided by Ecology, pursuant to Special Condition S9.A.

S6.E. Stormwater Management Program

1. Attach a notification of any jurisdictional boundary changes resulting in an increase or decrease in the Permittee’s geographic area of permit coverage during the reporting period, per S9.E.5.

S6.E.1. Education and Outreach Program

2. Made educational material available to tenants and employees. (S6.E.1.a)

S6.E.2. Public Involvement and Participation

3. Made the annual report and most recent version of the SWMP Plan available on website. (S6.E.2)

S6.E.3. Illicit Discharge Detection and Elimination

4. Complied with all relevant ordinances, rules, and regulations of the local jurisdiction(s) that govern non-stormwater discharges. (S6.E.3.a)
5. Implemented policies to prohibit illicit discharges. (S6.E.3.b)
6. Implemented an enforcement plan to ensure compliance with illicit discharge policies. (S6.E.3.b)
7. Maintained mapping data for the features listed in S6.E.3.c?
8. Mapped tributary conveyances and the associated drainage areas of MS4 outfalls with a 12-inch nominal diameter, or larger, or an equivalent cross-sectional area for non-pipe systems? (S6.E.3.c.ii)
9. Mapped known connections greater than, or equal to, 8 inches in nominal diameter to mapped tributary conveyances? (S6.E.3.c.iii)
10. Implemented a program to document operation and maintenance records for stormwater treatment and flow control BMPs/facilities and catch basins? (S6.E.3.c.v)
11. Conducted field screening of at least 20% of the MS4 to detect illicit discharges and illicit connections? (S6.E.3.d)
12. Implemented procedures to identify and remove illicit discharges and illicit connections? (S6.E.3.d)
13. Number of illicit discharges, including illicit connections, eliminated during the reporting period. (S6.E.3.d) **Attach** a summary of illicit discharges discovered and actions taken to eliminate the discharges. (S6.E.3.d)

14. Implemented a spill response plan that includes coordination with a qualified spill responder? (S6.E.3.e)
15. Provided staff training or coordinated with existing training efforts to educate staff on proper BMPs for preventing illicit discharges and for identifying, reporting, and responding as appropriate? (S6.E.3.f)

S6.E.4. Construction Site Stormwater Runoff Control

16. Complied with all relevant ordinances, rules, and regulations of the local jurisdiction(s) that govern construction phase stormwater pollution prevention measures? (S6.E.4.a)
17. Ensured that all construction projects under the functional control of the Permittee obtained applicable NPDES permit coverage? (S6.E.4.b)
18. Coordinated with local jurisdiction(s) on construction projects owned or operated by other entities that discharge into the Permittee's MS4? (S6.E.4.c)
19. Provided staff training or coordinated with existing training efforts to educate staff on erosion and sediment control BMPs and requirements, or hired trained contractors to perform the work? (S6.E.4.d)
20. Provided access, as requested, for inspection of construction sites under the functional control of the Permittee during land disturbing activities and/or the construction period? (S6.E.4.e)

S6.D.5. Post-Construction Stormwater Management for New Development and Redevelopment

21. Complied with all relevant ordinances, rules, and regulations of the local jurisdiction(s) that govern post-construction stormwater pollution prevention measures, including proper operation and maintenance of the MS4? (S6.E.5.a)
22. Coordinated with local jurisdiction regarding projects owned or operated by other entities which discharge into the Permittee's MS4? (S6.E.5.b)

S6.E.6. Operation and Maintenance Program

23. Implemented an operation and maintenance (O&M) manual for all stormwater treatment and flow control BMPs/facilities and catch basins? (S6.E.6.a)
24. Updated the O&M manual following discovery or construction of new stormwater facilities? (S6.E.6.a.i)
25. Updated maintenance standards, as necessary, per S6.E.6.a.ii?
26. Inspected stormwater facilities listed in the O&M manual and took appropriate maintenance action? (S6.E.6.b)
 - 26a. Number of stormwater facilities inspected during the reporting period?
 - 26b. Number of maintenance actions taken during the reporting period?

- 27. Provided appropriate training for maintenance staff? (S6.E.6.c)
- 28. Maintained records of inspections and maintenance activities? (S6.E.6.d)

S6.E.7 Source Control in existing Developed Areas

- 29. Updated Stormwater Pollution Prevention Plans (SWPPPs) as necessary? (S6.E.7.a)
- 30. Inspected at least 20% of all sites covered by SWPPPs required under this permit? (S6.E.7.d)
 - 30a. Number of sites covered under SWPPPs?
 - 30b. Number of sites inspected?
- 31. SWPPPs include measures to prevent, identify and respond to illicit discharges, including illicit connections, spills and improper disposal? (S6.E.7.f)
- 32. SWPPPs include a component related to inspection and maintenance of stormwater facilities and catch basins that is consistent with the O&M Program? (S6.E.7.g)

S7. Compliance with Total Maximum Daily Load Requirements

- 33. Is there an approved Total Maximum Daily Load (TMDL) applicable to stormwater discharges from a MS4 owned or operated by the Permittee? (S7)
- 34. Complied with the specific requirements identified in Appendix 2. (S7.A)
 - 34a. List any requirements that were not met:
- 35. Attached status report of TMDL implementation. (S7.A)

General Conditions

- 36. Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware that the non-compliance has occurred. (G20)
- 37. Notified Ecology in accordance with G3 of any discharge into or from the Permittee's MS4 which could constitute a threat to human health, welfare, or the environment. (G3)
- 38. Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.

S4. Compliance with Standards

- 39. If applicable, attached a summary of the status of implementation of any actions taken pursuant to S4.F.3, and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d)

S8. Monitoring and Assessment

- 40. Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year? (S8.A.2.a)

41. Notified Ecology by December 1, 2019, which option you selected: S8.A.2.a or S8.A.2.b.
42. Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year? (S8.B.2.a or S8.B.2.c)
43. Notified Ecology by December 1, 2019, which option you selected: S8.B.2.a, or S8.B.2.b, or S8.B.2.c?
44. If conducting a study per S.8.B.2.c, submitted a detailed effectiveness study proposal to Ecology no later than February 2, 2020? (S8.B.2.c.ii(a))
45. If conducting a study per S.8.B.2.c, submitted a QAPP to Ecology within 120 days of Ecology's approval of the detailed effectiveness study proposal? (S8.B.2.c.ii(b))
46. If conducting a study per S.8.B.2.c, began full implementation of the effectiveness in accordance with the schedule in the approved QAPP, and submitted required reports? (S8.B.2.c.ii(c))
47. If conducting stormwater discharge monitoring in accordance with S8.C.2, submitted a QAPP to Ecology no later than February 1, 2020? (S8.C.2.b and Appendix 9)
48. If conducting stormwater discharge monitoring in accordance with S8.C.2, attach a data and analysis report per S8.C.2.d and Appendix 9. (Due annually beginning March 31, 2021)

**Port of Seattle 2021 Annual Report - Phase I Municipal Stormwater Permit Number WAR044701
Illicit Discharges Identified and Resolved**

Jurisdiction	POS Facility	Date incident discovered or reported to you	Date of beginning your response	Date of end of your response	Discharge to MS4? (select one)	Incident Location					How was the incident discovered or reported to you? (select all that apply)	Pollutants Identified (select all that apply)		Source or Cause (select all that apply)		Source Tracing Approach(es) Used (select all that apply)	Correction/ Elimination Methods Used (select all that apply)	Field Notes, Explanations, and/or Other Comments
						Address	City	Postal Code	Latitude	Longitude		If 'Other', please describe	If 'Other', please describe					
WAR044701	Terminal 30	3/8/2021	3/8/2021	3/8/2021	Yes - notified Ecology	3225 East Marginal Way S	Seattle	98124			Pollution hotline (phone, web, app)	Fuel and/or vehicle related fluids	Other (please describe)	Generator malfunction	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	A generator malfunction at T30 resulted in a spill that entered a catch basin and was cleaned up by MM crew. Spill was contained in catch basin.	
WAR044701	Shilshole Bay Marina	2/1/2021	2/1/2021	2/2/2021	Yes - notified Ecology	7001 Seaview Ave NW	Seattle	98117			Pollution hotline (phone, web, app)	Fuel and/or vehicle related fluids	Other (please describe)	Oily rags in street	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	William Bergquist traced a sheen found in waters of Shilshole Bay Marina to outfall #6060 and then to SPU catch basin #4815 located in Seaview Ave where he found a pile of oily rags. He cleaned up the rags and sheen on the road. Once the rags were secured, sheen ceased flowing from the outfall.	
WAR044701	Terminal 18	11/27/2021	11/27/2021	11/27/2021	Yes - notified Ecology	2400 11th Ave SW	Seattle	98134			ERTS referral	Other (please describe)	Glycerol	Other (please describe)	SSA Marine operations	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Approximately 1000 gallons of glycerol was released into catch basin #2965 and did enter the Duwamish River. Cleanup contractor responded, with Coast Guard and SPU also on site. Initial reports from SSA included SPU, NRC and WaEMD. Port of Seattle was notified via Ecology and followed up with Kelly Garber on 12/8/21 for more information. NRC report # 1322957
WAR044701	Terminal 18	10/22/2021	10/22/2021	10/22/2021	Yes - notified Ecology	1050 SW SPOKANE ST	Seattle	98134			Direct report to your staff	Fuel and/or vehicle related fluids	hydraulic oil	Other (please describe)	SSA Marine operations	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	The spill was stopped and cleanup materials and absorbents deployed by SSA before calling the Port to have SWU MM crew respond for catch basin cleanup. Mathew Lauilefue of the Port's MM crew responded and noted that no spill material was released from the batch basins into bodies of water. Nathan Taylor of the Port's SEIN team called Dan Skurksi of SSA to confirm the spill was reported to the proper external agencies. This had not been performed so Nathan reported the incident to SPU and WaEMD (#21-4161). WA-Dept of Ecology contacted Nathan and Dan for follow-up (ERTS #710079)
WAR044701	Terminal 46	9/19/2021	9/19/2021	9/20/2021	Yes - notified Ecology	401 ALASKAN WAY S	Seattle	98104	47.59843° N	122.33935° W	Staff referral	Other (please describe)	Potable water	Other (please describe)	Broken water line	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	A broken water line in the northwest part of Terminal 46 caused potable water to flow into storm drain. Catch basin filters captured sandy runoff and no sediment was seen inside the catch basin. MM replaced filters and repairs were made to the water line.

**Port of Seattle 2021 Annual Report - Phase I Municipal Stormwater Permit Number WAR044701
Illicit Discharges Identified and Resolved**

Juris-diction	POS Facility	Date incident discovered or reported to you	Date of beginning your response	Date of end of your response	Discharge to MS4? (select one)	Incident Location					How was the incident discovered or reported to you? (select all that apply)	Pollutants Identified (select all that apply)		Source or Cause (select all that apply)		Source Tracing Approach(es) Used (select all that apply)	Correction/ Elimination Methods Used (select all that apply)	Field Notes, Explanations, and/or Other Comments
						Address	City	Postal Code	Latitude	Longitude		If 'Other', please describe	If 'Other', please describe					
WAR044701	Terminal 5	10/2/2021	10/2/2021	10/5/2021	Yes - notified Ecology	3443 W. Marginal Way SW	Seattle	98106			Pollution hotline (phone, web, app)	Other (please describe)	Potable water	Other (please describe)	Broken water line	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Water line break was located just west of the new North dock office building in the east side of the terminal, near catch basin #5561. Work by Orion Marine Group (contractor) appears to have caused the broken water line. The break released potable water which spread soil across the surface of the terminal and into catch basins fitted with filter inserts.