



Water Quality Program

Permit Submittal Electronic Certification

Permittee: Douglas County MSW

Permit Number: WAR046003

Site Address: 203 RAINIER
WATERVILLE, WA98858

Submittal Name: MS4 Annual Report Phase II Eastern

Version: 1

Due Date: 3/31/2024

Questionnaire

Number	Permit Section	Question	Answer
1	S5.A.4.	Attach updated annual Stormwater Management Program Plan (SWMP Plan) or website address in the Comment field where it can be found. (S5.A.4.)	Q1_AppndxA_2023_SWMP Plan_1_0327202407195 1
1.a	S5.A.4.	Cite website of SWMP if unable to attach	https://www.wenatchee.wa.gov/government/public-works/stormwater/wvstac
2	S9.C.6.	Attach a map and copy of any annexations, incorporations, or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.C.6.	Not Applicable
3	S5.A.5.a.ii.	Tracked the estimated costs of implementation of each component of the SWMP. (S5.A.5.a.ii.)	Yes
4	S5.A.6.b.	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.6.b.)	Yes
5	S5.B.1	Were elements of a regional program implemented to complete any part of your education and outreach program? (S5.B.1)	Yes

5a	S5.B.1	If yes, list the elements, and the regional program	Radio advertisements, website and social media posts, training opportunities and promotional materials (eg: reusable shopping bags, pet waste bags) were utilized for education and outreach regionally in the Wenatchee Valley through cooperation of the WVSTAC (Wenatchee Valley Technical Advisory Committee, including Douglas & Chelan Counties and the Cities of Wenatchee and East Wenatchee.)
6	S5.B.1.a.i.-iii.	Attach description of public education and outreach programs and stewardship activities conducted per S5.B.1.a.i.-iii.	2023_PublicEducationAndInvolve_6_03142024074846
7	S5.B.1.a.ii.	Which types of businesses were targeted per S.5.B.1.a.ii.?	Commercial and multifamily properties.
9	S5.B.2.a.	Describe in Comments field the opportunities created for the public to participate in the decision making processes involving the development, implementation, and updates of the Permittee's SWMP. (S5.B.2.a.)	The public has many opportunities to be involved and participate in the decision-making process for the development, implementation, and update of the SWMP. These opportunities include but are not limited to: Steering Committee participation, web-surveys, the stormwater hotline, an on-line portal for the submittal of concerns and questions, and general in person availability of staff as needed.
10	S5.B.2.b.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31.	Yes
10a	S5.B.2.b.	List the website address in Comments field. (S5.B.2.b.)	https://www.douglascountywa.net/556/Municipal-Stormwater-Permit & https://www.wenatcheeva.gov/government/public-works/stormwater/wvstac
11	S5.B.3.a.	Maintained a map of the MS4 that includes the requirements listed in S5.B.3.a. (Updated maps required no later than August 1, 2023)	Yes

12	S5.B.3.a.i.	Attach a spreadsheet that lists the known outfalls and discharge points, including the outfalls' size and material(s). (Required to update no later than August 1, 2023, S5.B.3.a.i.)	Q12_DC_Outfall_Discharge_Point_12_03272024102843
14	S5.B.3.b.	Implemented an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges as described in S5.B.3.b.	Yes
15	S.5.B.3.b.vii.	Updated ordinance or regulatory mechanism to meet the requirements of this permit, if necessary. (Required no later than February 2, 2023, S.5.B.3.b.vii.)	Not Applicable
16	S5.B.3.b.vi.	Implemented a compliance strategy, including informal compliance actions as well as enforcement provisions of the regulatory mechanism described in S5.B.3.b. (S5.B.3.b.vi.)	Yes
17	S5.B.3.c.	Implemented procedures for conducting illicit discharge investigations in accordance with S5.B.3.c.	Yes
18	S5.B.3.c.iv.	Percentage of MS4 coverage area screened in reporting year per S5.B.3.c.iv. (Required to screen 12% on average each year, S5.B.3.c.iv.)	36
18a	S5.B.3.c.iv.	Cite field screening techniques used to determine percent of MS4 screened.	Zonar tracking of equipment used for maintenance / screening activities, records of facility and construction inspections within the permit coverage area. Citizen concerns are input into the WinCams Service Request module and investigated. Recurring field evaluations based upon land use activities and construction activities are performed routinely as part of assigned inspection duties. Dry weather inspections are performed on a biannual schedule along the Apple Capital Loop Trail. Finally, when practicable, inspections of opportunity are performed on nearby outfalls and discharge points when stormwater facility inspections are performed.
18b	S5.B.3.c.iv.	Percentage of total MS4 screened from permit effective date through end of the reporting year.	98

19	S5.B.3.c.v.	Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.B.3.c.v.)	The Stormwater Hotline is posted on the Douglas County and WVSTAC webpages and is also included with printed materials which include items developed for education and outreach. Additionally, the Stormwater Hotline number is included in social media posts during outreach campaigns.
20	S5.B.3.c.vi.	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.B.3.c.vi.	Yes
21	S5.B.3.c.vii.	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. Describe actions in Comments field. (S5.B.3.c.vii.)	Distributed educational and outreach printed material at community events (such as Earth Day), Douglas County social media posts, Douglas County and WVSTAC websites, targeted staff training, staff meetings, Pollution Prevention and Good Housekeeping for Municipal Operations (O&M) Plans.
22	S5.B.3.d.	Implemented an ongoing program designed to address illicit discharges, including spills and illicit connections into the MS4 per S.5.B.3.d.	Yes
23	S5.B.3.e.	Implemented an ongoing illicit discharge training program for all staff responsible for implementing the procedures and program, as described in S5.B.3.e.	Yes
24	S5.B.3.f.	Attach a report with data describing the actions taken to investigate, characterize, trace and eliminate each illicit discharge found by or reported to the permittee. The submittal must include all of the applicable information and must follow the format and timelines described in Appendix 7. (S5.B.3.f.)	WAR046003-2023-ImportedIDDEs_03282024153414
25	S5.B.4.a.	Implemented an ordinance or other regulatory mechanism and enforcement procedures for construction site stormwater runoff control as described in S5.B.4.	Yes
27	S5.B.4.b.	Reviewed site plans for all new development and redevelopment projects as described in S5.B.4.b.	Yes
27a	S5.B.4.b.i.	Number of site plans reviewed during the reporting period. (S5.B.4.b.i.)	107
27b	S5.B.4.b.i.	The number of construction sites that provided their intent to apply for the "Erosivity Waiver" during the reporting period as described in S5.B.4.b.i.	0

27c	S5.B.4.b.i.	The number of complaints investigated about sites that have received an "Erosivity Waiver" . (S5.B.4.b.i.)	0
28	S5.B.4.	Implemented procedures for site inspection and enforcement of construction stormwater pollution control measures. (S5.B.4.)	Yes
28a	S5.B.4.c.i.	Number of permitted construction sites inspected during the reporting period. (S5.B.4.c.i.)	429
28b	S5.B.4.f.	Number of enforcement actions taken during the reporting period based on construction phase inspections at new development and redevelopment projects. (S5.B.4.f.)	0
29	S5.B.4.d.	Trained the staff involved in permitting, plan review, field inspections, and enforcement for construction site runoff control. (S5.B.4.d.)	Yes
30	S5.B.4.e.	Provided information to construction site operators and design professionals about training available on how to comply with the requirements in Appendix 1 and the BMPs in the SWMMEW, or an equivalent document. Describe information provided in the Comments field. (S5.B.4.e.)	Yes

30a	S5.B.4.e.	Describe information provided in the Comments field. (S5.B.4.e.)	<p>Project advocates are provided information about the ECY Construction Stormwater Permit regulations, and the Douglas County codes adopted for compliance with the SWMMEW. Construction site BMPs are required to be identified on stormwater site plans. Information is provided to contractors at preconstruction meetings and reinforced during onsite inspections as needed. Additionally, plans are reviewed during preconstruction meetings and discussions are held with contractors as needed to update construction stormwater BMPs throughout the project.</p> <p>Information regarding CESCL training opportunities are posted to the WVSTAC webpage, Douglas County social media, and distributed via email and phone outreach. Furthermore, Construction site erosion control field guides are provided to construction site operators free of charge to support education efforts.</p>
31	S5.B.5.a.	Implemented ordinance or other regulatory mechanism and enforcement procedures to address post-construction stormwater controls runoff to the MS4 from new development and redevelopment as described in S5.B.5.a.	Yes
33	S5.B.5.b.ii.(a)	Allowed non-structural preventive actions and source reduction approaches such as Low Impact Development (LID) techniques to be used. (S5.B.5.b.ii.(a))	Yes
34	S5.B.5.b.ii.(b)(2)	Required projects approved under S5.B.5. to retain runoff generate on-site for, at a minimum, the 10-year, 24-hour rainfall event or a local equivalent, using either on-site or regional stormwater facilities. (S5.B.5.b.ii.(b)(2))	Yes

35	S5.B.5.d.	Inspected post-construction stormwater controls, including structural BMPs, at new development and redevelopment sites. (S5.B.5.d.)	Yes
35a	S5.B.5.d.i.	Number of new and redeveloped sites inspected during installation of structural BMPs during the reporting period. (S5.B.5.d.i)	228
35b	S5.B.5.d.i.	Number of new and redeveloped sites inspected upon final installation of BMPs or upon completion of the project during the reporting period. (S5.B.5.d.i.)	201
36	S5.B.5.d.ii.	Inspected structural BMPs at least once every five years after final installation. (S5.B.5.d.ii.)	Yes
36a	S5.B.5.d.ii.	Number of BMPs inspected during the reporting period.	32
37	S5.B.5.d.	Number of enforcement actions taken as a result of these inspections during the reporting period? (S5.B.5.d.)	0
38	S5.B.5.e.	Trained the staff involved in permitting, plan review, inspection, and enforcement for post-construction stormwater control. (S5.B.5.e.)	Yes
39	S5.B.5.f.	Provided information to design professionals about training available on how to comply with the requirements in Appendix 1 and apply the BMPs in the SWMMEW, or an equivalent document. (S5.B.5.f.)	Yes
39a	S5.B.5.f.	Describe information provided and cite the manual used	The manual used is the Stormwater Management Manual for Eastern Washington (SWMMEW). Information about training opportunities and BMP application is provided via the WVSTAC webpage, the Douglas County webpage, the Douglas County and WVSTAC social media, the WVSTAC newsletter, and direct emails to design professionals, project developers, and contractors.
41	S5.B.6.a.	Implemented the schedule of Operation and Maintenance activities for municipal operations. (S5.B.6.a.)	Yes
42	S5.B.6.a.i.(f) and (g)	Have NPDES permit coverage for all applicable Permittee construction projects and industrial facilities. (S5.B.6.a.i.(f) and (g))	Yes
43	S5.B.6.a.i.(h)	Implemented a Stormwater Pollution Prevention Plan for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.B.6.a.i.(h))	Yes

44	S5.B.6.a.ii.(a)	Inspected stormwater treatment and flow control facilities (except catch basins) owned or operated by the Permittee at least once every two years. (S5.B.6.a.ii.(a))	Yes
44a	S5.B.6.a.ii.(a)	Number of facilities inspected during the reporting period.	33 Comment: 33 of 42 facilities were inspected. Uninspected facilities were vaults that have special access requirements which need coordination with county road crews. Due to road crew unavailability, the vaults were not inspected.
45	S5.B.6.a.ii.(b)	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? (Required at least once every two years, S5.B.6.a.ii.(b))	No Comment: Catch basin inspection and cleaning operations for 2023 were heavily effected by a lack of road crew personnel availability. The goal of 50% inspection coverage was not reached.
45a	S5.B.6.a.ii.(b)	Number of known catch basins.	2460
45b	S5.B.6.a.ii.(b)	Number of catch basins inspected during the reporting period.	294
45c	S5.B.6.a.ii.(b)	Number of known catch basins cleaned during the reporting period.	77
46	S5.B.6.a.ii.(b)	If used an alternative to standard schedule for catch basin inspections for all or a portion of the MS4, attach description of the method used. (S5.B.6.a.ii.(b))	46_DC 2023 CB InspectionSched_46_03 272024152936
47	S5.B.6.a.ii.(c)	Conducted spot checks of stormwater facilities after major storms. (S5.B.6.a.ii.(c))	Yes
48	S5.B.6.b.	Trained the staff with primary construction, operations, or maintenance job functions that are likely to impact stormwater quality. (S5.B.6.b.)	Yes
49	S7.A.	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A.)	Not Applicable
50	S7.A.	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A.)	Not Applicable
51	S8.A.	Attach a summary of your participation in effectiveness study development and implementation during the reporting year. (S8.A.1. and S8.A.2.a.)	Q51 S8A.2023 Effectieness Stud_51_03272024142 702
54	S8.A.	Was a completed QAPP submitted (Required to submit by July 31, 2023, S8.A.2.d.)	Yes
55	S8.A.	Did you begin to conduct the study? (Required to begin no later than December 1, 2023, S8.A.2.e.)	Yes

56	S8.A.	Was the SWMP updated to include effectiveness study activities? (S8.A.2.f.)	Yes
57	G3.	Notified Ecology in accordance with G3. of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare, or the environment. (G3.)	Not Applicable
58	G3.A.	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Not Applicable
59	G20.	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20.)	Not Applicable
60	G20.	Number of non-compliance notifications provided in reporting year. (G20.)	0
61	S4.F.1.	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1.)	Not Applicable
62	S4.F.3.a.	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a.	Not Applicable
63	S4.F.3.d.	Attach 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

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.

Jennifer Lange

3/28/2024 3:43:04 PM

Signature

Date

Appendix A

2023 Stormwater Management Program Plan

2023 Wenatchee Valley Stormwater Management Program Plan

The following stormwater activities are regional activities unless otherwise noted. The regional partners include Chelan County, Douglas County, City of East Wenatchee, City of Wenatchee, and Wenatchee Valley College.

I. Stormwater Management Program

- a. Update Wenatchee Valley Stormwater Management Program Plan
- b. Schedule quarterly regional stormwater utility meetings.
- c. Prepare an annual report.

II. Public Education and Outreach

- a. Provide stormwater education and outreach through a public forum (ad, newsprint, social media, radio) and/or public event.
- b. Provide information to commercial businesses about dumpsters through Waste Management Bill
- c. Participate in Wenatchee School District programs (City of Wenatchee)
- d. Provide stormwater education and outreach to Wenatchee Valley College tenants and residents.
- e. Kids in the Creek

III. Public Involvement and Participation

- a. Contact Wenatchee Valley Stormwater Program Steering Committee (Newsletter Post Stormwater Management Program and Plan to regional website.
- b. Provide a stormwater survey on the website and at public events.

IV. Illicit Discharge Detection and Elimination

- a. Continue to review and update stormwater system map as needed
- b. Update regulatory mechanisms for compliance with the permit and prepare for new code adoption by 2/2/2023, if needed.
- c. Maps must be updated to meet the requirements of section S5.B.3.a.i-vii, if necessary. August 1, 2023
- d. Provide staff training for IDDE identification

Field assess an average of 12% of the stormwater system each year, track the total percentage of the MS4 assessed.

V. Construction Site Stormwater Runoff Control

- a. Continue site plan reviews and inspections of new construction sites that disturb one acre or more, or are part of a common plan of development.

VI. Post-Construction Stormwater Management for new Development and Redevelopment

- a. Continue inspections of structural best management practices during installation and upon completion
- b. Continue implementation of 5-year operation and maintenance inspections of post structural best management practices
- c. Host Ecology Training for Core Element 5&6- Open to local designers & Engineers- June 2023

VII. Municipal Operations and Maintenance

- a. Provide staff training

VIII. Monitoring and Assessment

- a. Continue working on BMP Owner Awareness Effectiveness Study



2023 Annual Report

RE: 2023 Public Education, Outreach Programs and Stewardship Activities

6. S5.B.1.a.i.-iii.

The Wenatchee Valley Stormwater Management Program was promoted by jurisdiction staff at the following community events and activities in 2023:

- *Wenatchee School District's 21st Century Community Learning Center Program (3rd through 5th grade)- Participated in two sessions, met with students weekly from 2/8/2023-2/15/2023 and 11/7/2023-12/12/2023. City of Wenatchee staff worked with approximately 100 students. **(City of Wenatchee only)***
- *Insert on Waste Management bill for dumpster management.*
- *Radio advertisement on SUNNY FM Stations for pet waste handling (April 2023), Smart Irrigation Month (July 2023) and fall leaf management (October 2023).*
- *Seasonal Website updates.*
- *Social Media posting for fall leaf management and de-icing materials.*
- *Sustainable Wenatchee Earth Day Fair- Held April 22, 2023 at the Pybus Public Market. Estimated to have approximately 1,000 Visitors*

Information was provided at the Douglas County Public Services Building and online at:

- www.douglascountywa.net/556/Municipal-Stormwater-Permit
- www.wenatcheewa.gov/wvstac.

The Wenatchee Valley Stormwater webpage (WVSTAC) received 657 hits in 2023.

The local Phase II permittees (WVSTAC) provided an on-line survey through the end of the year.

**DOUGLAS COUNTY
TRANSPORTATION & LAND SERVICES**



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RE: 2023 Pollution Prevention and Good Housekeeping Activities
6. S5.B.6.a.ii.(b)

Question 46: If used an alternative to standard schedule for catch basin inspections for all or a portion of the MS4, attach a description of the method used.

Douglas County uses the alternative standard for catch basin inspections S5.B.6.a.ii.b.3,

All pipes, ditches, catch basins, and inlets within a circuit are cleaned at least once during the Permit term. Circuits selected drain to a single point.



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RE: 2023 Summary of Participation in Effectiveness Study

In 2023, Douglas County, in partnership with the City of Wenatchee, Chelan County, City of East Wenatchee, and the City of Pullman completed the Private BMP Owner Awareness Effectiveness Study. The City of Wenatchee acted as the Lead Agency for the Study.

The jurisdictions, in partnership with Goldstreet Design, mailed a postcard to participants in the study area. Approximately 2,000 residents received the postcard in January of 2023 and the survey tool for data collection was available to residents from January 2023 to February 2023. The final data package was received from Goldstreet Design on May 13th, 2023. The survey yielded 132 responses.

The jurisdictions utilized the survey results evaluate how aware owners were of privately owned BMPs and make recommendations regarding how to improve education and outreach for BMP owners. The final report and fact sheet were submitted to Ecology June 2023.

Washington Department of Ecology

Electronic Submission Cover Letter



WQWebSubmittal - Submittal Submission Id: 1914160 - 3/28/2024 3:43:05 PM

Company Name	Signer Name	System Name
Douglas County	Jennifer Lange	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for Douglas County	Copy of Record DouglasCounty Thursday March 28 2024
WAR046003_6_03142024074846	2023_PublicEducationAndInvolve_6_03142024074846
WAR046003_46_03272024152936	46_DC 2023 CB InspectionSched_46_03272024152936
WAR046003_1_03272024071951	Q1_AppndxA_2023_SWMP Plan_1_03272024071951
WAR046003_12_03272024102843	Q12_DC_Outfall_Discharge_Point_12_03272024102843
WAR046003_51_03272024142702	Q51 S8A.2023 Effectieness Stud_51_03272024142702
ImportedIDDEsWAR046003-2023-ImportedIDDEs_03282024153414	WAR046003-2023-ImportedIDDEs_03282024153414

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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