City of Spokane
Annual Stormwater Report

Washington Department of Ecology
Electronic Submission Cover Letter

DEPARTMENT OF ECOLOGY
State of Washington

WQWebSubmittal - Submittal Submission Id: 2033704 - 3/31/2026 2:56:03 PM

Company Name	Signer Name	System Name
City of Spokane	Raylene Gennett	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for City of Spokane	Copy of Record CityofSpokane Tuesday March 31 2026
WAR046505_59_03312026130837	City of Spokane StormWater DO _59_03312026130837
WAR046505_4a_03312026121810	COS Internal Coordination_fina_4a_03312026121810
WAR046505_4a_03312026142949	COS Internal Coordination_fina_4a_03312026142949
WAR046505_1_03312026121706	COS SWMP 2026_Final_1_03312026121706
WAR046505_1_03312026142949	COS SWMP 2026_Final_1_03312026142949
WAR046505_7_03312026122127	Description of peo_7_03312026122127
WAR046505_28_03312026123637	IDDE2025_in_DOE_Schema_28_03312026123637
WAR046505_14_03312026123126	Outfall summary_14_03312026123126
WAR046505_14_03312026143017	Outfall summary_14_03312026143017

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.

DEPARTMENT OF ECOLOGY
State of Washington

Water Quality Program

Permit Submittal Electronic Certification

Permittee: SPOKANE CITY

Permit Number: WAR046505 **Site Address:** 909 E SPRAGUE AVE
SPOKANE, WA 99202-2127

Submittal Name: MS4 Annual Report Phase II Eastern

Version: 1 **Due Date:** 3/31/2026

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.)	COS SWMP 2026_Final_1_03312026142949
1a	S5.A.4.	Cite website of SWMP if unable to attach	Not Applicable
2	S9.D.6.	Attach a map 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.D.6.	Not Applicable
3	S5.A.3.a.ii.	Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP. (S5.A.3.a.ii)	Yes
4	S5.A.5.b.	Continued to coordinate among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b.)	Yes
4a	S5.A.5.b.	Attach a written description of internal coordination mechanisms among departments within the jurisdiction to eliminate barriers to permit compliance. (Required to be submitted no later than March 31, 2021, S5.A.5.b.)	COS Internal Coordination_fina_4a_03312026142949
5	S9.D.4	If applicable, identify other entities relied on to satisfy any of the obligations under the Permit. (S9.D.4)	Not Applicable
6	S5.B.1	Were elements of a regional program implemented to complete any part of your education and outreach program? (S5.B.1)	Yes

6a	S5.B.1	If yes, list the elements, and the regional program	Spokane Regional Health District (SRHD) pollution prevention visits Eastern Washington and Southern Washington Education and Outreach Committee (EW&SW E&O) as well as Statewide E&O workgroups continued to collaborate and create educational content to distribute Water Wise Spokane (@waterwisespokane) • Instagram photos and videos, Water Wise Spokane | Spokane WA | Facebook, Water Wise Spokane - YouTube City of Spokane Social Platforms (Facebook, Instagram, X, YouTube, etc.) City Cable 5 Television Station KXLY (online survey and commercial spots) EnviroKids publications and partnership collaboration
7	S5.B.1.a.i.-iii.	Attach a description of public education and outreach program activities, including your priority audiences and subject areas conducted, per S5.B.1.a.i-iii.	Description of peo_7_03312026122127

8	S5.B.1.a.ii.	Which types of businesses were prioritized per S.5.B.1.a.ii.?	Schools/Children Homeowners/Adults Repeat Cloggers Swale Homeowners Property Managers Automotive Repair Shops Restaurants Pretreatment Businesses Environmental Highlights (General Public)
11	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 city provides many opportunities for public involvement and participation in its rulemaking processes. Public involvement is a required component of the ordinance process, and involvement of any interested member of the public is encouraged through workshops, open houses, dedicated testimonial times, and a formal public comment period. Information on how to participate at City Council meetings and meeting agendas are provided on the city□s City Council website prior to the occurrence of the meeting. Additionally, the public may attend City Council briefings, City Council hearings; Planning Commission workshops, Planning Commission hearings, and any of the several Council Committee meetings (e.g. Finance and Administration Committee; Public Infrastructure, Environment, & Sustainability; and Public Safety & Community Health Committee). The city publishes the City

			Council Official Gazettes - City of Spokane, Washington (spokanecity.org), which contains the meeting minutes from the City Council hearings, and includes calls for bids for stormwater management, infrastructure, and funding projects that the public can participate with. Typical examples of opportunities for public involvement include rate structure discussions, stormwater mitigation grants and projects; stormwater infrastructure improvements; joint planning of the stormwater management plans; and, ordinance creation or revision, among others. Additionally, The city posts the SWMP Plan at Spokanestormwater.org annually. The public may provide comment on this plan at any time during the year by emailing the Wastewater Department Environmental Manager at jgeorge@spokanecity.org. The city solicits online comments on the draft plan from the public for a 30-day period when the SWMP Plan is posted. After the 30-day period, the city will review the comments and update the plan as applicable and post the final version of the plan at Stormwater Management webpage at Spokanestormwater.org.

11a	S5.B.2.a.	Describe the specific public involvement opportunities provided to overburdened communities and, specifically, highly impacted communities. (S5.B.2.a.i)	Community outreach and engagement is planned throughout the Climate planning and Comprehensive Plan Update work, which will be completed in 2026. Early feedback will help support the development of the Climate Risk and Vulnerability Assessment (CRVA). The public has opportunities to: Respond to surveys or other online engagement opportunities Provide feedback at our online community space, Engage Spokane Join us at neighborhood meetings or open houses Attend advisory and decision maker meetings Climate Resilience and Sustainability Board Plan Commission City Council
12	S5.B.2.b.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31.	Yes
12a	S5.B.2.b.	List the website address in Comments field. (S5.B.2.b.)	https://my.spokanecity.org/publicworks/stormwater/management/
13	S5.B.3.a.	Maintained a map of the MS4 that includes the requirements listed in S5.B.3.a.	Yes

14	S5.B.3.a.viii	Attach file that lists all known outfall locations, sizes, and materials no later than March 31, 2026. The data shall be in one of the following formats, per S5.B.3.a.viii: • ESRI file geodatabase template (feature class in a .gdb): https://fortress.wa.gov/ecy/ezshare/wq/permits/MS4GP.Mapoutfall.prelim.gdb.zip • Shapefile template: https://fortress.wa.gov/ecy/ezshare/wq/permits/MS4GP.Mapoutfall.prelim.shape.zip • ArcGIS Online template (sharing template a or b via ArcGIS Online). • Excel template: https://fortress.wa.gov/ecy/ezshare/wq/permits/MS4GP.Mapoutfall.prelim.excel.xlsx	Outfall summary_14_03312026 143017
18	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
20	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.v)	Yes
21	S5.B.3.c.	Implemented procedures for conducting illicit discharge investigations in accordance with S5.B.3.c.	Yes
22	S5.B.3.c.iv.	Percentage of MS4 coverage area screened in reporting year per S5.B.3.c. (Required to screen 12% on average each year, S5.B.3.c.iv.)	90
22a	S5.B.3.c.iv.	Cite field screening techniques used to determine percent of MS4 screened.	Routine maintenance and inspections of catch basins, swales, outfalls, and drywells by fulltime stormwater crews and inspectors.
23	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.)	509-625-7999 is publicized on the website spokanestormwater.org, on brochures and outreach materials, on socila media, and on presentations to the public.
24	S5.B.3.c.vi.	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.B.3.c.vi.	Yes

25	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.)	The city recently provided training to all Public Works and Parks employees on illicit discharges and reporting. Businesses are informed about illicit discharges throgh SRHD Pollution Prevention Program, outreach materials with the hotline number informed the public on illicit discharges.
26	S5.B.3.d.	Implemented an ongoing program designed to address illicit discharges, including spills and illicit connections into the MS4 per S5.B.3.d.	Yes
27	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
28	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 instructions, format, and timelines described in Appendix 7. (S5.B.3.f)	IDDE2025_in_DOE_Schema_28_03312026123637
29	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
31	S5.B.4.b.	Reviewed site plans for all new development and redevelopment projects as described in S5.B.4.b.	Yes
31a	S5.B.4.b.i.	Number of site plans reviewed during the reporting period. (S5.B.4.b.i.)	165
31b	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.	Not Applicable
31c	S5.B.4.b.i.	The number of complaints investigated about sites that have received an “Erosivity Waiver” . (S5.B.4.b.i.)	Not Applicable
31d	S5.B.4.b.i.	Describe any enforcement actions taken as a result of those complaints	Not Applicable
32	S5.B.4.	Implemented procedures for site inspection and enforcement of construction stormwater pollution control measures. (S5.B.4.)	Yes
32a	S5.B.4.c.i.	Number of permitted construction sites inspected during the reporting period. (S5.B.4.c.i.)	131
32b	S5.B.4.	Number of enforcement actions taken during the reporting period based on construction phase inspections at new development and redevelopment projects. (S5.B.4.)	0
33	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

34	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.	Yes
34a	S5.B.4.e.	Describe information provided in the Comments field. (S5.B.4.e.)	The Developer Services Center (DSC) works with developers, their engineers, and the contractors through the entire process from design to construction to issuance of Certificate of Occupancy. Early in the process the DSC holds a predevelopment meeting with the development engineers/contractors to go over the project and identify what will be required. A summary of the meeting is provided to the project proponents afterward, and in the summary it identifies opportunities to receive CESCL training. A brochure that identifies training opportunities is included in the DSC online library guidance folder in construction stormwater subfolder.
35	S5.B.4.f	Made online links to Ecology's Construction Stormwater General Permit Notice of Intent, the Industrial Stormwater General Permit Notice of Intent, and the registration requirements for Underground Injection Control (UIC) available to representatives of proposed new development and redevelopment. (S5.B.4.f)	Yes
36	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
38	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
39	S5.B.5.b.ii.(b)	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
41	S5.B.5.e.	Inspected post-construction stormwater controls, including structural BMPs, at new development and redevelopment sites. (S5.B.5.e.)	Yes

41a	S5.B.5.e.i.	Number of new and redeveloped sites inspected during installation of structural BMPs during the reporting period. (S5.B.5.e.i)	70
41b	S5.B.5.e.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.e.i.)	770
42	S5.B.5.e.ii.	Inspected structural BMPs at least once every five years after final installation. (S5.B.5.e.ii.)	No
43	S5.B.5.e.	Number of enforcement actions taken as a result of these inspections during the reporting period? (S5.B.5.e.)	78
44	S5.B.5.f.	Trained the staff involved in permitting, plan review, inspection, and enforcement for post-construction stormwater control. (S5.B.5.f.)	Yes
45	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
45a	S5.B.5.f.	Describe information provided and cite the manual used	All design professionals are directed to use the Spokane Regional Stormwater Manual when submitting plans for the City of Spokane to review for permitting, and the following guidelines are provide in pre-construction meetings: City of Spokane Stormwater Compliance Guide https://spokaneriver.net/wpcontent/uploads/2016/04 /spokanestormwaterguide.pdf Additionally, during the predevelopment meeting and in the predevelopment meeting notes that following statement is provided. The following link provides information on ESC training and certification programs:https://ecology.wa.gov/Regulations-Permits/Permitscertifications/Certifiederosionsediment- control.
46	S5.B.6.a.	Implemented the schedule of Operation and Maintenance activities for municipal operations. (S5.B.6.a.)	Yes
46b	S5.B.6.a.i.(f)	Have NPDES permit coverage for all applicable Permittee construction projects. (S5.B.6.a.i.(f)	Yes
46c	S5.B.6.a.i.(g)	Have NPDES permit coverage for all applicable Permittee industrial facilities. (S5.B.6.a.i.(g))	Yes

47	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
48	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
48a	S5.B.6.a.ii.(a)	Number of known stormwater treatment and flow control facilities (except catch basins) owned or operated by the Permittee.	6084
48b	S5.B.6.a.ii.(a)	Number of facilities inspected during the reporting period.	6322
48c	S5.B.6.a.ii.(a)	Number of facilities for which maintenance was performed during the reporting period.	1756
49	S5.B.6.a.ii.(a)	Attach documentation of alternative stormwater treatment and flow control facilities inspection frequency, if used, per S5.B.6.a.ii.(a).	Not Applicable
50	S5.B.6.a.ii.(b)	Inspected municipally owned or operated catch basins and inlets at least once every two years or used an alternative approach. (S5.B.6.a.ii.(b))?	Yes
50a	S5.B.6.a.ii.(b)	Number of known catch basins and inlets owned or operated by the Permittee.	17295
50b	S5.B.6.a.ii.(b)	Number of catch basins and inlets inspected during the reporting period.	15617
50c	S5.B.6.a.ii.(b)	Number of known catch basins and inlets cleaned during the reporting period.	1399
51	S5.B.6.a.ii.(b)	Attach documentation of an alternative catch basin inspections approach, if used. (S5.B.6.a.ii.(b))	Not Applicable
52	S5.B.6.a.ii.(c)	Conducted spot checks of stormwater facilities after major storms. (S5.B.6.a.ii.(c))	Yes
57	S5.B.6.c.	Trained the staff with primary construction, operations, or maintenance job functions that are likely to impact stormwater quality. (S5.B.6.c)	Yes
58	S7.A.	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A.)	Yes
59	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.)	City of Spokane StormWater DO _59_03312026130837
62	S8.B.3	Did Permittees choose option S8.B.3.a:	No
63	S8.B.	For Permittees choosing option S8.B.3.b, submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than August 15 of each year. (S8.D.2)	Yes
64	S8.B.	Did Permittee choose option S8.B.3.c:	No

65	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
66	G3.A.	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Not Applicable
67	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
68	G20.	Number of non-compliance notifications provided in reporting year. (G20.)	0
69	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
70	S4.F.3.a.	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a.	Not Applicable
71	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.

Raylene Gennett — **Signature**

3/31/2026 2:56:01 PM — **Date**

Spokane River Dissolved Oxygen TMDL Monitoring

CITY OF SPOKANE STORMWATER DO TMDL ACTIVITIES

The Cochran Basin Dissolved Oxygen Total Maximum Daily Load (TMDL) Stormwater Monitoring is ongoing as required by Appendix 2 of the Eastern Washington Phase II Municipal Stormwater Permit (Washington State Department of Ecology [Ecology], 2019). Stormwater monitoring is performed at the Cochran Basin outfall to comply with TMDL stormwater monitoring requirements of Appendix 2 of the permit. Stormwater from the Cochran Basin is representative of stormwater discharges from the city's MS4, and the Cochran Basin outfall near TJ Meenach Drive is monitored as the proxy location to determine the citywide DO TMDL waste loads to the Spokane River. Stormwater discharges from the Cochran Bain outfall have been monitored per the stormwater TMDL since 2016 through 2025, to include continuous flow monitoring, and stormwater sampling and analysis. Stormwater samples were analyzed for:

The 2016 – 2025 TMDL monitoring data was used to calculate the both the annual and seasonal (March 1st - October 31st) waste loads of stormwater pollutants to the Spokane River. Using a combination of and The 2016 – 2025 TMDL waste load allocations and calculated waste loads are presented in the attached tables the City of Spokane's waste loads were calculated to exceed TMDL-prescribed waste load allocations for stormwater in the cases of carbonaceous biochemical oxygen demand in 2025. However, an adaptive management strategy is already in process following waste load allocation exceedances in previous monitoring years. The Adaptive Management Plan is to take up to 52 cfs of stormwater offline of the river to be treated in multiple large swales constructed along the river. This strategy is forecasted to reduce the City's stormwater runoff waste loads to acceptable levels when it goes live in 2026. The Stormwater DO TMDL data are presented in the below tables.

The median annual stormwater waste load for CBOD was exceeded in 2016, 2017, and, and in response, the city submitted the Stormwater TMDL Waste Load Reduction Action Plan was submitted to Ecology on August 6, 2020. The response plan detailed the construction of stormwater infrastructure that will ultimately eliminate discharges from Cochran Basin into the river for storms up to the size of the 6-month

Table 2. Median Seasonal Stormwater Waste Loads

Year	CBOD (lbs/day)	Total P (lbs/day)	NH3-N (lbs/day)
2016	**79.5**	1.8	0.22
2017	**73.1**	4.8	0.00
2018	12.5	0.6	0.08
2019	42.2	2.1	**1.58**
2020	33.8	1.0	0.1
2021	7.0	0.4	0.11
2022	**60.1**	2.6	**1.50**
2023	29.5	1.1	0.98
2024	42.1	0.7	0.15
2025	48.5	1.6	0.32
WLAs	59.1	6.1	0.98

Bold values indicate calculated waste loads greater than the Waste Load Allocation (WLA)

Table 3. Median Annual Stormwater Waste Loads

Year	CBOD (lbs/day)	Total P (lbs/day)	NH3-N (lbs/day)
2016	**73.9**	1.6	0.21
2017	**125.0**	3.5	0.00
2018	25.4	1.0	0.48
2019	**84.5**	2.4	**1.41**
2020	30.7	2.1	0.96
2021	21.0	1.1	0.32
2022	**91.5**	3.9	**2.65**
2023	**69.6**	2.5	**2.32**
2024	**142.3**	2.6	0.54
2025	**100.5**	3.3	0.66
WLAs	59.1	6.1	0.98

Bold values indicate calculated waste loads was greater than the Waste Load Allocation (WLA)

Description of Internal Coordination Mechanisms

2025 Annual Stormwater Report
Eastern Washington Phase II Municipal Stormwater General Permit

Description of Internal Coordination Mechanisms

Stormwater is regulated in the City of Spokane in accordance with the Eastern Washington Phase II Municipal Stormwater General Permit. The permit requires the development and implementation of a Stormwater Management Program (SWMP) that addresses core subjects of the permit. Effective coordination among the city's administrative Departments is necessary to appropriately manage stormwater and implement the SWMP successfully.

Administrative Divisions and Departments

The organizational structure of the City of Spokane governmental body consists of administrative divisions that have responsibility over city Departments that provide Department specific municipal services. Table 1 identifies the city's Administrative Divisions and Departments that provide support for the ongoing implementation of the SWMP.

Table 1. Administrative Divisions and Division Departments

Administrative Division	Division Departments
Communications and Marketing	- Spokane 311 - Web Services - Creative Services
Community and Economic Development	- Code Enforcement - Development Services Center
Finance and Administration	- Fleet Services - Information Technology
Public Works	- Engineering Services - Integrated Capital Management - Solid Waste Collections - Solid Waste Disposal - Water & Hydro-Electric Services - Wastewater Management
Transportation and Sustainability	- Street
Spokane Parks & Recreation	- Parks and Recreation Operations
Standalone Departments*	
Fire Department	
Office of the City Attorney	

Notes: * Fire Department and the Office of the City Attorney are not associated with an Administrative Division

Elements of the SWMP

The SWMP is organized by the eight core subjects of the permit, which are the foundational elements of the program. Implementation of the SWMP elements is based on actionable items addressed by qualified city staff who perform the tasks associated with the element. The SWMP elements, associated permit sections, and Departments that support the implementation of the SWMP are presented in Table 2.

Table 2. SWMP Elements, Permit Sections, and Supporting Departments

SWMP Elements	Permit Section	Supporting Department
Public Education & Outreach	S5.B.1	• Communications • Wastewater Management • Web services
Public Involvement & Participation	S5.B.2	• Engineering Services • Integrated Capital Management • Wastewater Management • Web Services
Illicit Discharge Detection and Elimination	S5.B.3	• Spokane 311 • Code Enforcement • Solid Waste Collections • Water & Hydro-Electric Services • Wastewater Management • Street • Parks and Recreation Operations • Office of City Attorney
Construction Site Stormwater Runoff Control	S5.B.4	• Code Enforcement • Development Services Center • Engineering Services • Wastewater Management • Office of City Attorney
Post-Construction Stormwater Management for New Development and Redevelopment	S5.B.5	• Code Enforcement • Development Services Center • Engineering Services • Integrated Capital Management • Wastewater Management • Office of City Attorney
Municipal Operations and Maintenance	S5.B.6	• Fleet Services • Solid Waste Collections • Solid Waste Disposal • Water & Hydro-Electric Services • Wastewater Management • Street • Parks and Recreation Operations
Compliance with Total Maximum Daily Load Requirements	S7	• Wastewater Management
Monitoring and Assessment	S8	• Wastewater Management

Public Education and Outreach (S5.B.1)

The Public Education and Outreach SWMP element is implemented by the actively developing educational materials that encourage the community to appropriately manage stormwater. Specifically, the outreach focuses on developing messaging on pollution prevention, illicit discharge elimination, and stormwater best management practices, among others, and delivering it to the general public, businesses, school age children, homeowners, engineers, and contractors. The City of Spokane generally focuses outreach efforts to the general public through the city's websites and with digital media.

The Wastewater Management Department's Education and Outreach Coordinator coordinates with the city's Public Works Communications Manager, and the Outreach Coordinators from Spokane County and the City of Spokane Valley, to perform stormwater outreach using online messaging, targeted television ads, booths at public events, and community campaigns to perform outreach.

The Wastewater Management Department works with Communications Manager and Webservices Department to continually develop and manage the city's stormwater website (Spokanestormwater.org). The stormwater website contains information on pollution prevention, stormwater management, green infrastructure, best management practices, and private stormwater inspections.

The city has an established partnership with the Spokane Regional Health District (SRHD), where the city supports the SRHD receipt of Ecology funding, and in return, the SRHD provides source control materials to businesses thorough voluntary site inspections. The Stormwater Management Program (SWMP) Plan explains the various outreach methods in more detail.

Public Involvement and Participation (S5.B.2)

Public Involvement and Participation efforts are implemented by providing the public opportunities to participate in the decision-making process pertaining to stormwater. The city's legislative process requires briefings to official committees comprised of City Council members prior to placement on the City Council agenda for review and consent. The public is provided several opportunities to participate in the decision-making process, and encouraged to attend City Council meetings to provide feedback on existing rules and requirements, as well as comment on items on the City Council agenda (e.g. proposed ordinances, future projects, etc.). Participation opportunities are regularly provided to the public when stormwater management decisions are being made by City Council, which are generally announced on an advanced council agenda. The Integrated Capital Management, Engineering Services, and Wastewater Management Departments, among others, create opportunities for the public to engage at committee meetings and council hearings during requests for funding for outreach campaigns, stormwater mitigation projects, stormwater infrastructure improvements, stormwater management plans, and rate-making ordinances.

Several City websites maintained by the Web Services Department are used to post municipal

stormwater management and project information available for the public to engage. For example, the draft SWMP Plan is posted on the city's stormwater webpage in the 2nd quarter of each year for the public to review and provide comment prior to the plan being finalized. Links to the final SWMP Plan and Annual Stormwater Report are posted on the city's stormwater webpage accessible to the public.

Illicit Discharge Detection and Elimination (S5.B.3)

Illicit discharges are prohibited in the city by ordinances codified in the Spokane Municipal Code (SMC) that were reviewed by, and received consent from the City Council. Violations of the Illicit Discharge sections of the SMC are enforceable, and enforcement activities may be led by the Wastewater Management Department and/or Code Enforcement, with support from the Office of the City Attorney, if necessary.

The Wastewater Management Department receives illicit discharge reports from the general public, Department of Ecology, via the illicit discharge hotline (509-625-7999) and/or Spokane 311. Illicit discharge reports trigger Wastewater Management Stormwater Inspectors to investigate the incident, mitigate the discharge (if applicable), educate the public (when appropriate), and retain the investigation documentation.

Illicit discharge awareness training was provided by the Wastewater Management Department to city staff who work in the Wastewater Management, Solid Waste, Water, Streets, and Parks and Recreation Operations Departments in order ensure discharges are discovered and mitigated appropriately.

The Wastewater Management Department coordinates with the Communications Manager and the Webservices Department to manage the city's stormwater website (Spokanestormwater.org). The stormwater website displays the illicit discharge hotline in several locations and encourages the public to use it if they see something. The Wastewater Management Department coordinates with the Communications Manager to Spokane 311 to ensure that illicit discharge notifications that Spokane 311 receives are promptly forwarded to Wastewater Management.

Inventory of the city's stormwater infrastructure is maintained by the Wastewater Management Department. The stormwater infrastructure is routinely inspected, and maintained, when necessary, by Wastewater Management Department staff. Stormwater infrastructure is also screened for signs of illicit discharges during inspection and maintenance activities, and logged into Cityworks® for retention.

The SRHD administers the Pollution Prevention Program with Ecology funding, which includes voluntary site visits to local businesses to do an informal inspection and share informational materials to the businesses to include illicit discharge information. SRHD reaches out to the Wastewater Management Department with information when appropriate to share observations and/or coordinate to mitigate challenging sites.

Construction Site Stormwater Runoff Control (S5.B.4)

Construction site stormwater in the City of Spokane is regulated by the Ecology issued Construction Stormwater Geneal Permit, which is applicable to activities that disturb one acre or more, and activities less than one acre that are part of a larger common plan of development or sale. However, Eastern Washington Phase II Municipal Stormwater General Permit requires the city to implement and enforce a construction stormwater program to reduce pollutants in any stormwater runoff to the MS4 from construction activities and construction projects. The construction stormwater program must include ordinances to require specific Ecology approved BMPs, escalating enforcement actions, site plan review, and performance of inspections.

Development of construction stormwater ordinances is managed by the Wastewater Management Department with guidance from the Office of the City Attorney, and must be reviewed and receive consent from the City Council before incorporation into the SMC.

Public and private development projects must adhere to the principals and standards of the City of Spokane Design Standards, Spokane Regional Stormwater Manual, and the Stormwater Management Manual for Eastern Washington. The Engineering Services, Integrated Capital Management, and Wastewater Management Departments and Development Services Center regularly discuss the city's design standards and stormwater manuals to ensure consistent implementation.

Construction plans for private projects are reviewed by the Development Services Center who coordinates with the Wastewater Management Department for stormwater BMP approvals during the plan review process before issuing permits to construct. The permitting system for private construction projects is administered by the Development Services Center, which is the management tool that is used to coordinate site inspections performed by the Engineering Services field inspectors and the Wastewater Management Stormwater Inspectors.

Public construction projects are managed by the Engineering Services Department, who coordinates with the Wastewater Management Department for review of proposed stormwater infrastructure, when appropriate. Engineering Services Field Inspectors and Wastewater Management Stormwater Inspectors coordinate with Engineers from the Engineering Services and Wastewater Management Departments to perform site inspections of stormwater infrastructure for public projects.

Enforcement actions may be led by either the Code Enforcement or Wastewater Management Departments, coordinating with the Office of the City Attorney when necessary. Enforcement actions may include the issuance of Stop Work Orders and/or citations for violations to the SMC, among others.

Post-Construction Stormwater Management for New Development and Redevelopment (S5.B.5)

The Eastern Washington Phase II Municipal Stormwater General Permit requires the city to implement and enforce a post-construction stormwater program to address runoff to the MS4 from new development and redevelopment projects that disturb one acre or more, or less than one acre and part of a larger common plan of development or sale. The post-construction stormwater program must include ordinances to require specific Ecology approved BMPs, escalating enforcement actions, development and redevelopment plan review, and ling-term, ongoing performance of inspections.

Development of post-construction stormwater ordinances is managed by the Wastewater Management Department with guidance from the Office of the City Attorney, and must be reviewed and receive consent from the City Council before incorporation into the SMC.

Development and redevelopment projects must adhere to the principals and standards of the City of Spokane Design Standards, Spokane Regional Stormwater Manual, and the Stormwater Management Manual for Eastern Washington. The Wastewater Management Department and Development Services Center regularly discuss the city's design standards and stormwater manuals to ensure consistent implementation.

Private development and redevelopment plans are reviewed by the Development Services Center who consults with the Wastewater Management Department for concurrence with stormwater BMP designs during the plan review and approval process. The Development Services Center coordinates weekly multi-department meetings to discuss approval requests, alternate solutions, and design variances, when necessary. The permitting system for private development and redevelopment is administered by the Development Services Center, which is the management tool that is used to coordinate site inspections performed by the Engineering Services field inspectors and the Wastewater Management Stormwater Inspectors prior to issuing a Certificate of Occupancy.

Post-construction stormwater BMPs at applicable private development and redevelopment projects are entered into the Private Stormwater Facility Annual Certification Program, which requires that the private property owners submit an annual certification completed by a qualified 3rd party stormwater professional that the stormwater facilities are being maintained and functioning as designed. Failure to submit an annual certification is an enforceable violation of the SMC. Enforcement actions for post-construction stormwater facilities is led by the Wastewater Management Department who coordinates with the Office of the City Attorney when necessary.

Municipal Operations and Maintenance (S5.B.6)

The Eastern Washington Phase II Municipal Stormwater General Permit requires the city to develop and implement an Operations and Maintenance (O&M) Plan to include BMPs that will prevent or reduce pollutant runoff from municipal operations, and the Plan must also include a schedule of inspections for stormwater controls, implementation of a street sweeping program, and employee training. The permit also requires the implementation of Stormwater Pollution Prevention Plans (SWPPPs) for all material storage areas, heavy equipment storage areas, and maintenance areas.

The Wastewater Management Department coordinated with the Water Department , Parks and Recreation, Solid Waste Collections, Streets, Fleet Services, and the Waste to Energy Facility to develop site-specific SWPPPs for their applicable areas and provide training to city staff per department. The following SWPPPs were developed for the applicable department:

- Central Services Center
- Northside Landfill
- Waste to Energy Facility
- Vactor Waste Decant Facility
- Sewer Maintenance Operations
- Parks Operations Complex
- Manito Park
- Riverside Park

The Wastewater Management Department developed the City of Spokane Municipal Stormwater Operations and Maintenance Plan to address pollution prevention for municipal functions. The O&M Plan identifies the Departments responsible for each of the municipal functions of the Plan, and includes many activity specific BMP documents for each function. Table 3 identifies the municipal function and responsible department. The Wastewater Management, Streets, Water, Parks and Recreation, Fleets Services, and Solid Waste Departments coordinated to develop the O&M Plan and train applicable city staff on the following municipal functions: :

- Stormwater collection and conveyance systems,
- Roads, highways, and parking lots,
- Vehicle fleets,
- Municipal buildings,
- Parks and open spaces,
- Construction projects,
- Industrial activities, and
- Material storage areas.

The Wastewater Management Department maintains a GIS layer of publicly owned stormwater infrastructure that is continually updated to reflect current conditions. The Department coordinates with the Information Technology Department to maintain the outward facing GIS maps as current for the public.

Table 3. Municipal Functions and Responsible Departments

Municipal Function	Responsible Department
Stormwater collection and conveyance systems	Wastewater Management
Roads and highways	Street
Parking lots	Lot owner
Vehicle fleets	Fleet Services
Municipal buildings	Building owner
Parks and open spaces	Parks and Recreation
Construction projects	Project owner
Industrial activities	- Waste to Energy - Riverside Park Water Reclamation Facility - Northside landfill
Material storage areas	- Waste to Energy Facility - Wastewater Management - Solid waste collections - Solid waste disposal - Fleet Services - Street - Water - Parks and Recreation

The Wastewater Management Department is responsible for inspecting all catch basins, inlets, stormwater treatment facilities, and flow control infrastructure. Dependent on the nature of maintenance, stormwater assets are maintained by either the Wastewater Management and/or Water Departments. All inspection and maintenance activities are entered into Cityworks ® tracking software.

Compliance with Total Maximum Daily Load (TMDL) Requirements (S7)

The Eastern Washington Phase II Municipal Stormwater General Permit requires the city to monitor the Cochran Basin Outfall for phosphorus, ammonia, CBOD, and flow rates per the Spokane River Dissolved Oxygen (DO) Total Maximum Daily Load (TMDL) Water Quality Improvement Report. The DO TMDL report establishes the wasteload allocations for the monitored TMDL constituents, and monitoring is performed to calculate the wasteload discharges to the Spokane River.

The Wastewater Management Department implements the requirements of the Spokane River Dissolved Oxygen stormwater TMDL per Appendix 2 of the permit. The Wastewater Management Department relies on the Riverside Park Water Reclamation Facility (RPWRF) laboratory staff to forecast storm events, perform stormwater sampling, and analyze the samples for the TMDL constituents. The RPWRF Instrument Technicians calibrate and maintain the continuous flow monitoring equipment.

The Wastewater Management Department reviews the analytical data, uploads it into Ecology's Environmental Information Management (EIM) Database, and summarizes the results in an annual report.

The Cochran Basin Stormwater Project constructed several large swales to eliminate stormwater discharges at the Cochran Basin up to the 10-year design storm. The Integrated Capital Management Department secured the funding for the project and the Integrated Capital Management, Engineering Services, and Wastewater Management Departments coordinated to design and construction of the green stormwater infrastructure.

Monitoring and Assessment (S8)

The Eastern Washington Phase II Municipal Stormwater General Permit requires the city to participate in the implementation Ecology-approved Effectiveness Studies. During the 2014-2019 and 2019-2024 permit cycles, the City of Spokane performed the Sharp Avenue Effectiveness Study and participated as the Lead Entity for the Non-Vegetated Swale Treatment Efficacy Effectiveness Study.

The Sharp Avenue Effectiveness study was implemented by the Integrated Capital Management Department and managed by the Wastewater Management Department, where the management included coordinating with the RPWRF Laboratory Staff and Instrument Technicians to perform stormwater sampling and maintain the continuous monitoring equipment, respectively. The RPWRF analyzed the stormwater samples and coordinated with the Wastewater Management Department to validate and evaluate the data. The Wastewater Maintenance Department coordinated with the Streets Department for the maintenance of the Sharp Avenue pavements. The Wastewater Management Department developed the final report for the Sharp Avenue Effectiveness Study.

The Non-Vegetated Swale Treatment Efficacy Effectiveness Study is a cooperative study between the City of Spokane, City of Spokane Valley, and Spokane County that is being implemented by Evergreen StormH2O. The study is being managed for the City of Spokane by the Wastewater Management Department.

The City of Spokane is participating in the Stormwater Action Monitoring (SAM) Program to satisfy the Effectiveness Study permit requirement of the 2024-2029 permit cycle. The Wastwater Management Department is a voting member of the SAM Stormwater Work Group, and coordinates with the Eastern Washington Phase II permittees to represent the interests of the region to the SAM program to ensure that an Effectiveness Study is performed that is appropriate for Eastern Washington.

Stormwater Management Program Plan

City of Spokane Stormwater Management Program Plan

March 2026

Prepared by:
City of Spokane
Wastewater Management
909 East Sprague Avenue
Spokane, Washington 99202

TABLE OF CONTENTS

1. INTRODUCTION 1-1

1.1 Purpose 1-1

1.2 Regulatory Background 1-1

1.3 Stormwater Management in Spokane 1-2

2. STORMWATER MANAGEMENT PROGRAM COMPONENTS 2-1

2.1 Public Education & Outreach 2-1

2.1.1 Public Education and Outreach Permit Requirements (§S5.B.1) 2-1
2.1.2 Overview of 2025 Public Outreach and Education 2-1
2.2 Public Involvement and Participation 2-6

2.2.1 Permit Requirements for Public Involvement and Participation (§S5.B.2) 2-6
2.2.2 Public Hearings and Rulemaking 2-6
2.2.3 Stormwater Management Program Plan Public Participation 2-7
2.2.4 Spokane Municipal Code Revisions 2-7
2.3 Illicit Discharge Detection & Elimination 2-7

2.3.1 Permit Requirements for Illicit Discharge Detection and Elimination (§S5.B.3) 2-7
2.3.2 Map of the MS4 2-10
2.3.3 Illicit Discharge Ordinances 2-10
2.3.4 Illicit Discharge Detection and Elimination Program 2-10
2.3.5 Illicit Discharge Priority Areas 2-10
2.3.6 Elimination of Illicit Discharges 2-11
2.3.7 Field Inspections, Characterization and Tracing of Illicit Discharge 2-12
2.4 Construction Site Stormwater Runoff Control 2-13

2.4.1 Permit Requirements for Construction Site Stormwater Runoff (§S5.B.4) 2-13
2.4.2 Guidance Manuals for Development and Re-development 2-14
2.4.3 Erosion and Sediment Control Plan 2-14
2.4.4 Construction Site Inspection and Enforcement 2-15
2.4.5 Construction Stormwater Training and Informational Materials 2-15
2.5 Post-Construction Stormwater Management 2-15

2.5.1 Permit Requirements for Post-Construction Site Stormwater Runoff (§S5.B.5) 2-15
2.5.2 Post-Construction Stormwater Ordinances 2-16
2.5.3 Encouragement of Low Impact Development 2-17
2.5.4 Procedures for Development Site Plan Review 2-17
2.5.5 Construction Site Inspection and Enforcement 2-17
2.5.6 Post-Construction Site Inspection and Enforcement 2-18
2.5.7 Training for Staff and Stormwater Professionals 2-18
2.6 Municipal Operations and Maintenance 2-19

2.6.1 Permit Requirements Pollution Prevention by Municipal Operations (§S5.B.6) 2-19

2.6.2 Municipal Operations and Maintenance Program 2-22
2.6.3 Municipal Stormwater Operations and Maintenance Plan 2-22
2.6.4 Schedule of Municipal O&M Activities 2-22

3. COMPLIANCE WITH TOTAL MAXIMUM DAILY LOAD 3-2

3.1 Total Maximum Daily Load (TMDL) 3-2

3.1.1 TMDL Permit Requirements (§S7) 3-2
3.1.2 Dissolved Oxygen TMDL Stormwater Monitoring 3-2

4. MONITORING AND ASSESSMENT 4-1

4.1 Stormwater Management Program Effectiveness Studies 4-1

4.1.1 Effectiveness Study Permit Requirements (§S8) 4-1
4.1.2 City of Spokane Effectiveness Studies 4-3
4.1.3 Additional Effectiveness Study (2019–2024 Permit Cycle) 4-4
4.1.4 Stormwater Action Monitoring (SAM) 4-5

5. REPORTING REQUIREMENTS 5-1

5.1 Annual Stormwater Report 5-1

5.1.1 Permit Requirements for Reporting (§S9) 5-1
5.1.2 City of Spokane Annual Stormwater Report 5-1

6. ACRONYMS 6-1

7. DEFINITIONS 7-1

8. REFERENCES 8-1

9. APPENDICES 9-1

LIST OF TABLES

Table 1. Site-Specific SWPPPs 2-25
Table 2. Median Seasonal Stormwater Waste Loads 3-3
Table 3. Median Annual Stormwater Waste Loads 3-3

LIST OF FIGURES

Figure 1. Typical Swale Design. ..... **Error! Bookmark not defined.**
Figure 2. Map of Stormwater Management Areas. ..... **Error! Bookmark not defined.**
Figure 3. Location of Illicit Discharge Responses – 2023 2-11
Figure 4. Illicit Discharge Decision Tree. ..... **Error! Bookmark not defined.**

1. INTRODUCTION

1.1 Purpose

Stormwater in the City of Spokane is regulated by the Eastern Washington Phase II Municipal Stormwater Permit (the permit) issued by the Washington State Department of Ecology (Ecology). The permit requires the development and implementation of a Stormwater Management Program (SWMP) that addresses permit Sections S5, S7, and S8. This Stormwater Management Program Plan (the plan) has been prepared to provide information to the public on the activities and strategies the City of Spokane (the city) expects to implement in order to protect local water quality and satisfy the conditions of the permit.

The permit requires that a municipal Stormwater Management Program consist of six elements that, when implemented, will ensure that local water quality is protected. Section S5 of the permit, *Stormwater Management Program for Cities, Towns, and Counties,* details the six elements as:

(1) Public Education and Outreach,
(2) Public Involvement and Participation,
(3) Illicit Discharge Detection and Elimination,
(4) Construction Site Stormwater Runoff Control,
(5) Post-Construction Stormwater Management for New and Redevelopment, and
(6) Municipal Operations and Maintenance.

Section S7 of the permit, *Compliance with TMDL Requirements*, requires implementation of Total Maximum Daily Load (TMDL) monitoring detailed in Appendix 2 of the permit, and Section S8 of the permit, *Monitoring and Assessment*, details the requirements to implement stormwater management effectiveness studies.

The draft SWMP Plan is made available to the public annually via the city's stormwater webpage (Spokanestormwater.org) on or before April 1st of each year. The draft plan is posted for 30 days, at which time the public may submit comments on the draft plan. After the 30-day comment period, the SWMP Plan will be finalized and posted on the website on or before May 1st of each year. Comments on the final SWMP Plan will be accepted anytime throughout the year and considered for inclusion during the next plan revision.

1.2 Regulatory Background

The National Pollutant Discharge Elimination System (NPDES) framework was, in large part, established by the 1972 by the amendments to the 1948 Federal Water Pollution Control Act, which has come to be known as the Clean Water Act. The Clean Water Act (CWA) details federal regulation of stormwater and wastewater discharges to Waters of the United States (WOTUS). The Environmental Protection Agency (EPA) authorizes States to implement the NPDES program and perform many of its' permitting, administrative, and enforcement aspects. The regulatory authority in Washington State is the Washington State Department of Ecology (Ecology), who regulates stormwater east of the Cascade mountains with the Eastern Washington Phase II Municipal Stormwater general permit. The permit is

a NPDES permit and a Washington State waste discharge general permit, and it regulates discharges from small municipal separate storm sewers.

Ecology first issued the permit to municipalities in 2007, and has reissued it with revisions in 2014, 2019, and 2024. The current permit became effective on August 1, 2024 with an expiration date of July 31, 2029. Reissuance of the permit is scheduled for August 1, 2029 with an effective period through 2034. The permit authorizes the city to discharge stormwater to surface waters and groundwaters of the State from the city's Municipal Separated Stormwater Sewer System (MS4) in accordance with federal guidelines. The coverage area regulated by the Phase II permit includes the entire incorporated area within the city's municipal boundary where stormwater is discharged to a surface water or ground water, except for areas that manage stormwater in combined sanitary and stormwater system. There are several combined sewer overflow (CSO) basins within the regulated MS4 that collect and convey stormwater to the Riverside Park Water Reclamation Facility (RPWRF) for treatment. Surface waters that flow on hard surfaces and are collected and conveyed within infrastructure in the CSO basins are regulated under a separate NPDES waste discharge permit, and managed accordingly. Stormwater within CSO basins is, in large part managed in a combined sewer system, with exception of occasional structural treatment best management practices (BMPs) that manage stormwater locally and discharge to ground.

1.3 Stormwater Management in Spokane

The city's MS4 system consists of stormwater conveyances, catch basins, structural treatment BMPs, underground injection controls (UICs), and outfalls. Within the permitted MS4 boundary, but outside of the CSO Basins, stormwater is collected by the separated stormwater sewer system and conveyed either to stormwater treatment facilities or to outfalls which discharge directly to the river. The separated stormwater sewer system is roughly located along the Spokane river, and in the northern portion of the city.

Stormwater treatment facilities throughout the city are used to manage stormwater as near as possible to where the runoff is generated. The treatment facilities are typically bioretention facilities such as swales, bioretention cells, infiltration ponds, etc., which are structural stormwater BMPs designed to remove pollutants from runoff before it is discharged to the ground. The facilities have historically been designed and constructed in accordance with the Spokane Regional Stormwater Manual (SRSM). In late 2026 the City is planning to adopt the 2024 Stormwater Management Manual of Eastern Washington (SWMMEW) with an addendum that will include some of the provisions from the SRSM that are protective of the aquifer. Stormwater facility designs from the SRSM and SWMMEW generally consist of inlets, a vegetated retention area, subgrade bioretention soil media, and an outlet/overflow. They are generally designed to retain water to approximately six inches depth, and have drywells to serve as overflows. Treatment facilities range in size from a small roadside swale that receives drainage from a parking lot, to of a large dry pond that treats stormwater for an entire neighborhood, but the treatment processes are the same. Stormwater enters the swale through an inlet, flows over vegetation to slow it down, and infiltrates into the ground through bioretention soil media. The vegetation, bioretention soil media, and microbes in the soil are providing treatment to the stormwater by removing pollutants. Figure 1 shows a typical swale design.

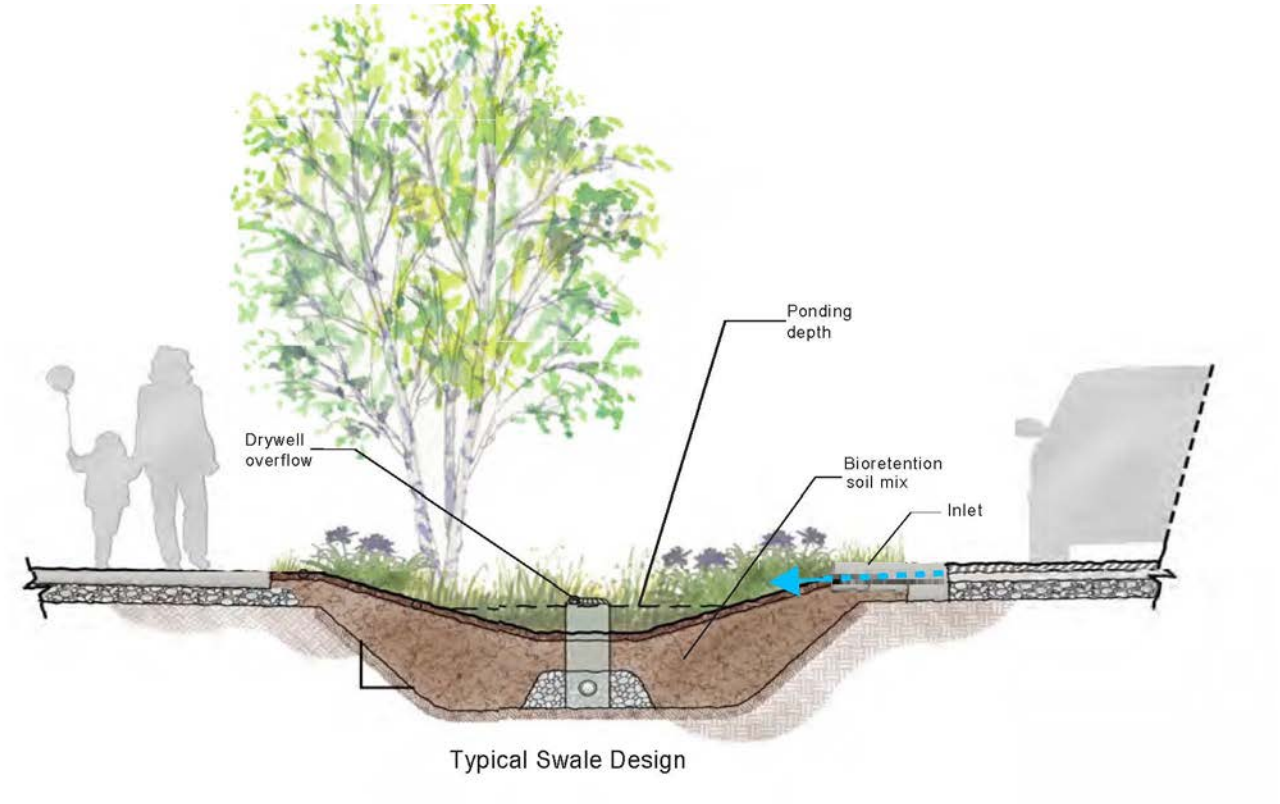


Figure 1. Typical Swale Design.

Special Drainage Districts (SDDs) have been established where typical stormwater treatment BMPs may not be effective because treatment via standard infiltration approaches is not practical. The Moran Prairie and Five Mile SDDs have been established due to shallow groundwater, intermittent standing water, and steep slopes in these areas, which make stormwater challenging to manage.

Figure 2 is a map of the City of Spokane showing the general locations of stormwater infrastructure, including MS4 boundaries, CSO basins, and SDDs. On the south side of the city, where rocky geology does not readily allow infiltration, stormwater in CSO basins is largely managed in a combined sewer that conveys both stormwater and sanitary wastewater using the same infrastructure. The CSO systems consist of catch basins, piping, and storage tanks that are used to collect and convey the stormwater to RPWRF. The CSO facilities are used to minimize or eliminate discharges of combined sewer and stormwater and are regulated by RPWRF's waste discharge permit. CSO basins also contain stormwater treatment BMPs, where practical, to manage stormwater locally which minimizes the amount of stormwater conveyed to the wastewater treatment plant.

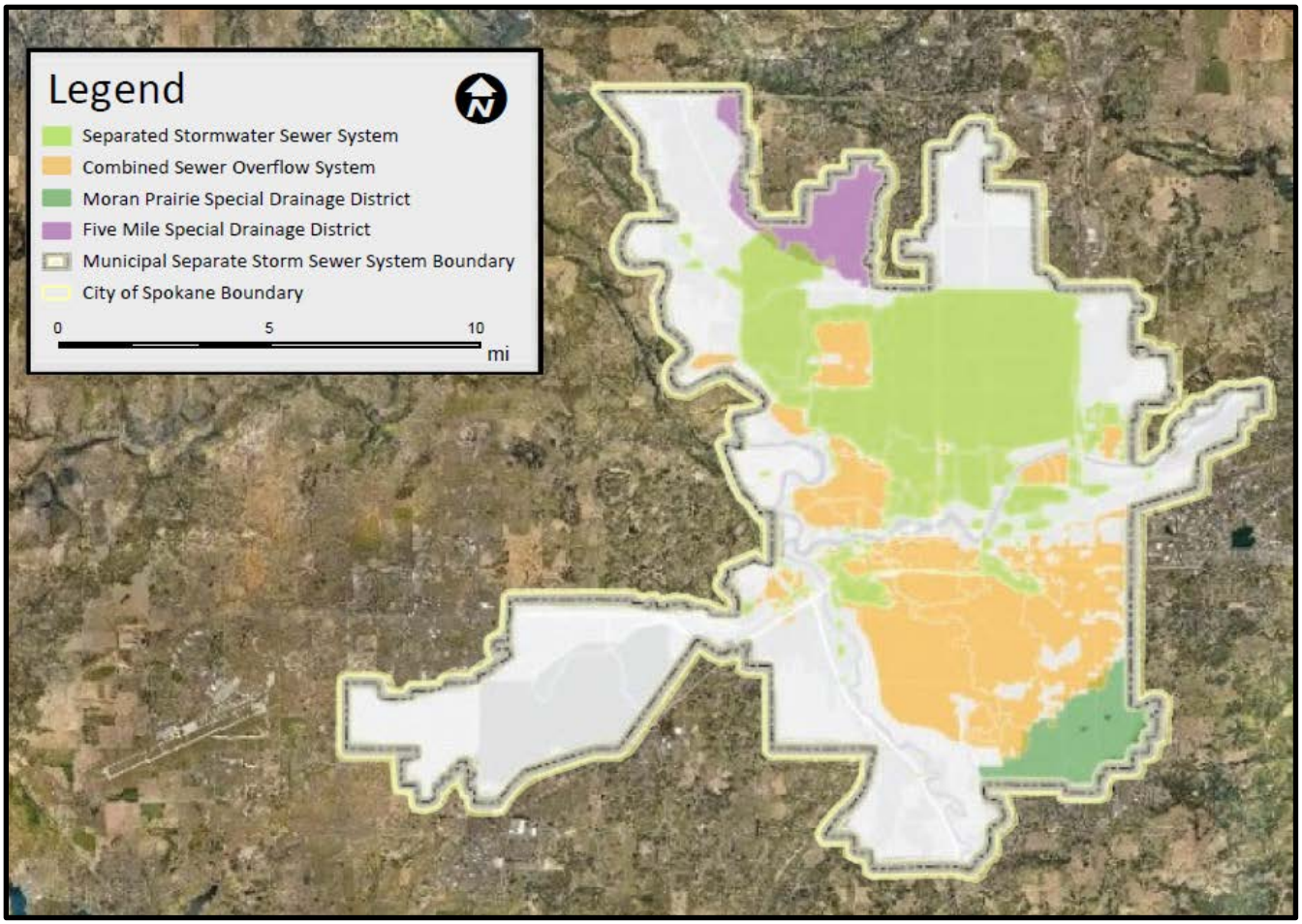


Figure 2. Map of Stormwater Management Areas.

2. STORMWATER MANAGEMENT PROGRAM COMPONENTS

2.1 Public Education & Outreach

2.1.1 Public Education and Outreach Permit Requirements (§S5.B.1)

Section S5.B.1.a of the permit requires the city to implement a public education and outreach program designed to reach the general public, businesses, and engineers/developers to achieve improvements in the target audiences' understanding of stormwater and how they can contribute to water quality protection. Outreach to the general public should focus on water quality impacts and tangible actions that the general public can take to protect water quality. The focus of the outreach to businesses should focus on education on preventing illicit discharges appropriate materials management. engineers/developers should receive outreach focused on technical standards, the use of BMPs and developing erosion control plans.

Section S5.B.1.b of the permit requires the city to measure the understanding and adoption of targeted behaviors for at least one target audience in at least one subject area, this is met through a multifactor approach to promotion of the Pollution Prevention Program on the Water Wise social channels.

2.1.2 Overview of 2025 Public Outreach and Education

During 2025, Public Education & Outreach (PE&O) initiatives were strategically implemented to engage a broad spectrum of audiences, including the general public, key business sectors—such as restaurants, lodging and hospitality, property management, and automotive services—as well as professionals in development, engineering, and contracting. These initiatives serve a critical role in fostering community awareness and engagement on essential environmental issues. Through targeted campaigns and educational resources, PE&O efforts equip individuals and businesses with the knowledge necessary to promote environmental stewardship, protect water quality, and implement sustainable practices. By cultivating a shared sense of responsibility, these outreach initiatives lay the groundwork for active community participation in preserving natural resources and ensuring environmental sustainability for future generations.

2.1.2.1 General Public

Collaboration with Water Wise Spokane, Spokane County and Spokane Valley

Preserving the integrity of the Spokane Aquifer, the Spokane River, and the broader network of regional waterways is a cornerstone of the City's commitment to sustainability. The effective management of seasonal stormwater resulting from weather events and snowmelt, combined with a concerted effort to reduce overall water consumption, plays a critical role in the protection and conservation of Spokane's natural resources.

The Water Wise Spokane initiative has been a supplemental asset in advancing stormwater pollution prevention messaging through a multifaceted educational approach, which included the continued promotion of informative videos, branding materials, and social media content. They were disseminated via platforms such as Facebook and Instagram. Additionally, these outreach efforts have

been expanded to include the cross-promotion of City of Spokane initiatives and community events. The Water Wise initiative is accessible through the Water Wise Spokane Facebook page, which can be found here and the City's dedicated Water Wise webpage which have both proven to be a valuable resource. Instructional videos covering stormwater facility awareness and maintenance have been made available on the City's stormwater webpage and Cable Channel 5.

Collaboration with streamlined messaging to the community with City of Spokane Valley and Spokane County have provided an opportunity to regional reach effectively and efficiently. Plans for this team approach to the Adopt-a-Drain campaign are planned for implementation in 2026.

Notably during 2025, the City of Spokane stormwater website (www.spokanestormwater.org) continued to undergo a comprehensive reorganization, update, and expansion. The revamped site now encompasses a broader spectrum of stormwater topics, providing access to educational videos and downloadable documents for the benefit of the community, including access to additional blogs. Links to other local resources and tour information was added for addition ease of access. Community Update weekly City newsletters were distributed on a reoccurring basis. Stormwater information and topics received 1.3 million views in 2025. Meta social media channels received 91,656 views, a reach of 67,193, and 1,599 times of engagement on City Facebook and Instagram accounts.
To see below for highlights from 2025 and for detailed examples of in-person outreach efforts and images, please refer to Attachment A.

Stormwater Awareness Week

City of Spokane participated in Stormwater Awareness Week with social media content promoting the value of stormwater management. Facebook and Instagram audience demographics indicate the content received 9,856 views, reached 5,860 accounts, had 139 engagements and was made up of 60% women and 40% men with the majority being 25-54 years old.

Stormwater Children's Book

As part of the "Exploring Spokane" children's book series produced by City of Spokane's Public Works Division, the third book follow "Milo" as he searches for his frog friend in the City's stormwater system. The kick-off included a children's reading event attended by over 100 children and families.
Social Media: 40,800 views/30,594 reach/154 engagements

Aquifer Protection Area

City of Spokane asked voters if they approve of joining the Aquifer Protection Area again from 2026-2045, an additional annual fee for property owners to dedicated funding for ways to protect the region's sole source aquifer. Over 70 percent of voters said yes, which will provide funding for education, outreach, and programming efforts for the next 20 years. Leading up to the special election, the City provided educational information about the ballot measure. One Facebook and Instagram, the information received 686,000 views and reached 429,000 accounts.

Swale Maintenance Workshops

At this workshop, City staff defined Best Management Practices, explained why they're important, discussed how to properly maintain them, and provided a maintenance demonstration of nearby green stormwater infrastructure. Attendance workshop is encouraged, but not mandatory. The workshop clarified City expectations pertaining to the Private Stormwater Facility Annual Certification Program and provided a valuable opportunity to connect with City staff overseeing this program. Promotion for this program included local construction organizations, large companies, and the general public. The City's weekly newsletter included registration information that received 27,447 views.

Stormwater Knowledge Quiz Campaign

The second annual Stormwater Knowledge Quiz Campaign, organized by City of Spokane stormwater featured the iconic Redband trout logo in collaboration with KXLY. The campaign was successfully promoted and encouraged participation through their website as well as the city's. The first wave of messaging was a two-month period where promotional education videos aired during peak news times and behavior change messaging was promoted surrounding pet waste pick-up and disposal. Collaborating with both KXLY and City Cable 5 exciting announcements were made about the campaign and its winners which fostered a sense of community engagement. This initiative has not only significantly enhanced our community engagement but has also established a robust baseline for subsequent contests. After the two-month commercials aired, a 10-question stormwater knowledge quiz was created to gain a better perspective on the public's understanding of stormwater pollution prevention efforts.

A thorough evaluation of the number of entries, and answers serves as a key quantitative metric for assessing the effectiveness of our promotional initiatives (see Attachment B for further details). Our collaborative marketing efforts, particularly in partnership with KXLY, provided a precise measurement of advertisement reach and impact. Through detailed tracking, we gained valuable insights into the various channels through which participants encountered contest information, offering critical data to refine and enhance future promotional strategies, and thus questions were tailored based on previous years responses.

This campaign presented a unique opportunity to analyze the frequency and visibility of storm drains across different geographic areas. This data-driven approach allows us to identify strategic locations for targeted community outreach and stormwater education initiatives. Ultimately, this comprehensive effort not only successfully encouraged public participation but also established a strong foundation for informed decision-making in our ongoing mission to advance environmental awareness and community engagement in 2026.

Community Outreach/Education Events

The City of Spokane stormwater sector actively participated in over 20 diverse community events, catering to various age groups throughout 2025. These included notable occasions such as Touch-a-Truck events, Earth Day, school assembly's, Combined Sewer Overflow (CSO) tours, Library EnviroKids programs, and Spokane Indians Baseball games, etc. See attachment A. for more detailed information including audience and attendee number. At each event, the program distributed educational materials

and promotional items while providing visual demonstrations, particularly focused on permeable pavement when applicable. This concerted effort in community outreach resulted in reaching over 3,700 individuals. Qualitative data collected from these events indicates a positive reception, especially among children who eagerly anticipate engaging demonstrations, complimentary prizes, and interactive activities like stormwater bingo, walking scavenger hunts, and coloring books that they can take home. A call to action, pledge, or some kind of behavior change was addressed at every outreach opportunity.

The strategic acquisition of targeted promotional items represents a pivotal aspect of the City of Spokane's stormwater outreach efforts. Recognizing the importance of engaging and resonating with the community, specific items such as pet waste bag holders, hand sanitizers, poo emoji stress balls, magnets, and water bottles were carefully selected for their practicality and relevance. Each of these items were thoughtfully branded with the stormwater logo, and where applicable, featured a prevention message, thereby reinforcing the importance of stormwater management and pollution prevention. The significance of such promotional swag lies in its ability to serve as tangible reminders and educational tools. Branded items create a lasting and positive association with the stormwater initiative, fostering brand recognition and community awareness.

Illicit Discharge Hotline

In 2025, the City of Spokane completed a total of 60 reports regarding illicit discharges that underwent a thorough investigation because of 311, the Illicit Discharge Hotline, as well as City of Spokane employee observations.

These calls reflected the community's heightened awareness and commitment to maintaining water quality, with over 450 calls to inquire about an illicit discharge. The investigative screening and efforts were aimed to identify and address any improper or unauthorized discharges into the stormwater system. The year's summary not only highlights the proactive engagement of Spokane residents in reporting such incidents but also underscores the city's dedication to preserving environmental integrity through swift and comprehensive responses to illicit discharge concerns. The collaborative efforts between the community and city authorities contribute significantly to the ongoing commitment to safeguarding Spokane's water resources and promoting a sustainable and resilient urban environment. Notable themes of calls that came in were residential car oil pouring to drain, storm drain overflowing onto roadway, RV illicit dumping of sewage, among many more.

2.1.2.2 Business Sectors

Spokane Regional Health District & EnviroCertified

Collaborating with the Spokane Regional Health District’s (SRHD) Pollution Prevention Program, the city extended stormwater messaging to businesses through voluntary site inspections. Between January 1, 2025, and December 31, 2025, Spokane Regional Health District conducted a total of 165 pollution prevention visits within the City of Spokane. These visits included 82 initial site visits, where comprehensive evaluations and data collection were conducted, 35 screening visits, where full data

collection was not possible due to business refusals or closures, and 48 follow-up visits within 90 days to address high-priority environmental concerns.

The program focused on key sectors, including restaurants and grocery stores, where efforts were made to promote food rescue and EnviroCertified certification, as well as automotive facilities, schools, property management, and other small quantity generators (SQGs) identified through complaints. Notable activities included two Environmental Report Tracking (ERTS) complaints (from the Department of Ecology) were conducted and followed up, 43 spill kits were delivered, and 14 businesses were referred for the EnviroCertified program.

Businesses and organizations were engaged through various outreach and education methods. The program maintained an updated website with industry-specific pollution prevention resources and best practices, while face-to-face technical assistance visits provided on-site consultations and educational materials covering topics such as stormwater management and waste disposal. Joint inspections were also conducted with stormwater partners to address complaints and follow up on compliance concerns. A diverse range of businesses and organizations received visits. Details of SRHD's efforts can be found in Attachment C.

2.1.2.3 Developers, Engineers, & Contractors

Development Services Center

The City of Spokane Developer Services Center has played a vital role in guiding construction projects through the stormwater management process. By actively collaborating with developers, engineers, and contractors during pre-development meetings, the center has provided essential insights into stormwater requirements. To support project proponents in navigating the local permitting process, the center has also made available key guidance documents, such as The City of Spokane Stormwater Compliance Guide and Understanding Stormwater Permitting in the City of Spokane.

In a collaborative effort with the Wastewater Management Department, the Developer Services Center has ensured the continued distribution of construction stormwater guidance materials. These materials are thoughtfully organized in an online resources folder accessible on the commercial construction permitting page of the city's website Stormwater Management - City of Spokane, Washington, as well as the stormwater webpage. This strategic approach underscores the commitment to transparency and accessibility in providing developers and stakeholders with the necessary tools to effectively navigate stormwater management requirements. By fostering collaborative partnerships and streamlining access to key information, the Developer Services Center plays a crucial role in promoting compliance and best practices in stormwater management within the construction sector in Spokane. Continuation and strengthening of the partnership with Developer Services is anticipated to continue in 2026 with a specific focus on gaps in education amongst subsectors.

Eastern Washington Stormwater Education & Outreach Group

In 2023, a vital collaborative initiative took form, addressing specific stormwater pollution prevention challenges unique to Eastern Washington. Recognizing the distinct issues faced in this region, often overshadowed by content created for the west side, a dedicated group convened and initiated projects aimed at tailoring educational efforts to the local context. A comprehensive survey identified Developers, Engineers, & Contractors as a target audience requiring specialized assistance to meet MS4 permit requirements. Through concerted efforts involving multiple regional jurisdictions, a suite of educational materials was meticulously crafted. This included continued dissemination of a developer brochure, and a construction flipbook, with careful consideration given to layout, color, language transcreation, content, and imagery. Importantly, these materials were designed to be adaptable, allowing each jurisdiction the flexibility to modify and edit them based on the unique needs of their community. This adaptability ensures that the educational resources remain relevant and effective in diverse contexts, emphasizing a commitment to flexibility and tailored outreach.

Going forth, the 2026 and beyond work plan consists of a continued focus in transcreation, researching grant opportunities, building an Eastern Washington Stormwater Education & Outreach Document Library, and producing additional adaptable outreach documents that can reach underserved communities and smaller jurisdictions. Refer to Attachment D for examples illustrating the adaptability of the created materials. These collaborative educational initiatives underscore the city's dedication to elevating public awareness, promoting compliance, and instilling responsible stormwater management practices within the specific challenges faced by Eastern Washington.

2.2 Public Involvement and Participation

2.2.1 Permit Requirements for Public Involvement and Participation (§S5.B.2)

The MS4 stormwater permit requires that the city provide ongoing opportunities for public involvement and participation, such as public hearings, advisory panels, and/or committee discussions during rule-making activities. Specifically, permit section S5.B.2.a states the city must create opportunities for the public to provide input during decision-making processes, including during the development and adoption of ordinances and regulatory mechanisms required by the permit. In addition, the city must have a process for consideration of public comments on the SWMP, including required ordinances and regulatory mechanisms.

2.2.2 Public Hearings and Rulemaking

The city provides many opportunities for public involvement and participation in its rule-making processes. Public involvement is a required component of the city ordinance process, and participation by interested community members is encouraged through workshops, open houses, dedicated testimonial times, and formal public comment periods. Information on how to participate in City Council meetings are provided on the city's City Council website, where agendas are posted before each meeting. Additionally, the public may attend City Council briefings, City Council hearings; Planning Commission workshops, Planning Commission hearings, and any of the several Council Committee meetings (e.g. Finance and Administration Committee; Public Infrastructure, Environment, &

Sustainability; and Public Safety & Community Health Committee). The city publishes City Council Official Gazettes , which contain meeting minutes from the City Council hearings, and include calls for bids for stormwater management, infrastructure, and funding projects that the public can respond to. Typical examples of public involvement opportunities include rate structure discussions, stormwater mitigation grants and projects, stormwater infrastructure improvements, joint planning of the stormwater management plans, and ordinance creation or revision, among others.

2.2.3 Stormwater Management Program Plan Public Participation

The city posts the SWMP Plan to the Stormwater Management webpage annually. The public may provide comment on this plan at any time during the year by emailing the Wastewater Department Environmental Manager at jgeorge@spokanecity.org. The city solicits public comments on the draft plan for 30 days after it's posted. After the 30-day period, the city reviews the comments and updates the plan as applicable, before posting the final version of the plan on the Stormwater Management webpage.

2.2.4 Spokane Municipal Code Revisions

In 2023, the City of Spokane Wastewater and Planning Departments began a thorough assessment of the Spokane Municipal Code, specifically Chapter 17D.060 – *Stormwater Facilities* and Chapter 17D.090 – *Erosion and Sediment Control*. This assessment identified sections which would benefit from reorganization to streamline the code and make it more user friendly. A preliminary draft of proposed code revisions is anticipated by 3rd quarter 2025. The final draft of the proposed changes will be released to the public in order to solicit comments before the final draft presented to the Spokane City Council for consent and adoption. Draft stormwater ordinances will be proposed to the City Council by Fall 2025.

2.3 Illicit Discharge Detection & Elimination

2.3.1 Permit Requirements for Illicit Discharge Detection and Elimination (§S5.B.3)

Illicit discharges are defined as any discharge to the city's MS4 that is not composed entirely of stormwater, allowable non-stormwater discharges, or conditionally allowable non-stormwater discharges. The permit requires the city to implement and enforce an Illicit Discharge Detection and Elimination (IDDE) program designed to prevent, detect, characterize, trace, and eliminate illicit connections and illicit discharges into the MS4.

Section S5.B.3.a of the permit requires the city to maintain an accurate map of the MS4 to include:

- Known outfalls and known discharge points with size and material attributes,
- Receiving waters other than ground,
- Areas served by the MS4 that discharge to ground,
- Permanent stormwater facilities owned or operated by the city,
- All connections to the MS4 authorized or approved by the city after August 1, 2019,

- All known connections from the MS4 to a privately owned stormwater system, and
- Connections between the MS4 owned and operated by the city and other municipalities or public entities.

Section S5.B.3.b of the permit identifies the allowable and conditionally allowable non-stormwater discharges. Any discharge or connection into the city's MS4 which is not allowed or conditionally allowed by the below bullet sections will be considered an illicit discharge
Allowable non-stormwater discharges include:

- Diverted stream flows,
- Rising groundwater,
- Uncontaminated groundwater infiltration (defined at 40 CFR 35.2005(b)(20)),
- Uncontaminated pumped groundwater,
- Foundation drains,
- Air conditioning condensation,
- Irrigation water from agricultural sources that is commingled with urban stormwater,
- Springs,
- Uncontaminated water from crawl space pumps,
- Foundation drains,
- Flows from riparian habitats and wetlands,
- Non-stormwater discharges authorized by another NPDES permit or State Waste Discharge permit, and
- Non-stormwater discharges from emergency firefighting activities in accordance with S2 – *Authorized Discharges*.

Conditionally allowable non-stormwater discharges include:

- Discharges from potable water sources (e.g. water line flushing, fire hydrant system flushing, pipeline hydrostatic test water, etc.) that have been dechlorinated to a total residual chlorine concentration of 0.1 ppm or less, pH adjusted (if needed), and flow-controlled to prevent suspension of sediment in the MS4;
- Limited discharges from lawn watering and other irrigation runoff that have been minimized through public education activities and/or water conservation efforts;
- Discharges from swimming pools, spas, and hot tubs that have been dechlorinated/debrominated to a total residual concentration of 0.1 ppm or less, free from sodium chloride, pH adjusted, reoxygenated, flow-controlled, and temperature controlled to ambient temperatures.
  Note: Swimming pool cleaning wastewater and filter backwash are not allowed by this section;

- Street and sidewalk wash water and water used to control dust where the amount has been minimized by water conservation efforts or through public education activities;
- Routine external building wash water from buildings constructed or renovated before 1950 and after 1980 that has been minimized and does not contain detergents; and,
- External building wash water from commercial, industrial, and multi-story residential structures constructed or renovated between 1950 and 1980 that do not contain PCB-containing building materials as demonstrated by testing.

In addition, Section S5.B.3.b requires the city to prohibit illicit discharges into the MS4 by ordinance, and to implement a compliance strategy that includes ordinance enforcement and informal compliance actions (e.g. public education and technical assistance).

Section S5.B.3.c of the permit requires the city to implement an ongoing program designed to detect and identify illicit discharges and illicit connections into the city's MS4. The illicit discharge detection program components include:

- Procedures for conducting investigations of the Permittee's MS4,
- Procedures for locating priority areas likely to have illicit discharges,
- Field assessments of outfalls, discharge points, and facilities serving priority areas to verify outfall and discharge point locations,
- A publicly listed hotline for reporting spills and illicit discharges,
- Training of all municipal staff who may observe illicit discharges at work on identification, reporting, and response to illicit discharges, and
- Education of public employees, business, and citizens of hazards associated with illicit discharges and improper waste disposal.

Section S5.B.3.d of the permit requires the city to implement an ongoing program designed to address spills, illicit discharges, and illicit connections into the city's MS4, which includes:

- Procedures to investigate complaints, reports, or monitoring information that may indicate an illicit discharge,
- Procedures to characterize and evaluate containment of reported illicit discharges,
- Procedures to respond immediately to illicit discharges that may constitute a threat to human health, welfare, or the environment,
- Procedures to determine the source, volume, and responsible party of an illicit discharge, and
- Procedures to notify appropriate authorities and property owners, provide technical assistance, perform follow-up inspections, and escalate enforcement actions in order to eliminate an illicit discharge.

Section S5.B.3.e of the permit requires the city to train all staff responsible for reporting, identifying, investigating, terminating, and cleaning up of illicit discharges.

Section S5.B.3.f of the permit requires the city to maintain records of activities conducted to detect and eliminate illicit discharges to the city's MS4.

2.3.2 Map of the MS4

In order to comply with Section S5.B.3.a and enable efficient and timely response to illicit discharge notifications, the Wastewater Management Department maintains up-to-date Global Information System (GIS) map layers of the city's stormwater collection and conveyance system. The publicly accessible GIS map MapSpokane includes a stormwater utility layer that shows the location of the city's stormwater collection and conveyance system.

2.3.3 Illicit Discharge Ordinances

In accordance with permit Section S5.B.3.b, Spokane Municipal Code (SMC) Section 17D.060.190 defines prohibits illicit discharges, defines the allowable and conditionally allowable discharges to the MS4, and includes applicable enforcement tracks. The illicit discharge ordinances are included in the scope to evaluate and improve the stormwater sections of the Spokane Municipal Code in 2025 as described below in Section 2.2.4 - Spokane Municipal Code Revisions.

2.3.4 Illicit Discharge Detection and Elimination Program

Per Sections S5.B.3.c and S5.B.3.d of the permit, the Wastewater Management Department manages an ongoing Illicit Discharge Detection and Elimination (IDDE) program to identify and address illicit discharges and connections. The IDDE program utilizes the storm sewer field crews to identify potential illicit discharges by incorporating field inspections into the operation and maintenance routines performed on stormwater infrastructure. Additionally, the Wastewater Management Department receives illicit discharge notifications from the public via the Illicit Discharge Hotline (509-625-7999), MySpokane 311, Environmental Reports Tracking System (ERTS) reports forwarded by Ecology, and referrals from the Spokane Regional Health District Pollution Prevention Program. Stormwater Inspectors from the Wastewater Management Department investigate illicit discharges reported by the storm sewer field crews and the public, mitigate and clean up the illicit discharges when necessary, and educate those responsible when appropriate. The inspectors log their observations and response activities into a database for tracking over time. See Section 2.3.6 of this document for further discussion of field inspections, characterization, and tracing of illicit discharges.

2.3.5 Illicit Discharge Priority Areas

Industrial zoning areas adjacent to the river are assumed to have higher potential for significant illicit discharges, where the Union Basin has the highest potential for illicit discharges associated with industrial activities. In order to identify priority illicit discharge areas, illicit discharge reports from 2023 were mapped to see if there were geographic illicit discharge trends. Figure 3 illustrates the locations of 2023 illicit discharges, and it demonstrates that illicit discharge notifications occur throughout the city somewhat equally, with mild grouping near the downtown area.

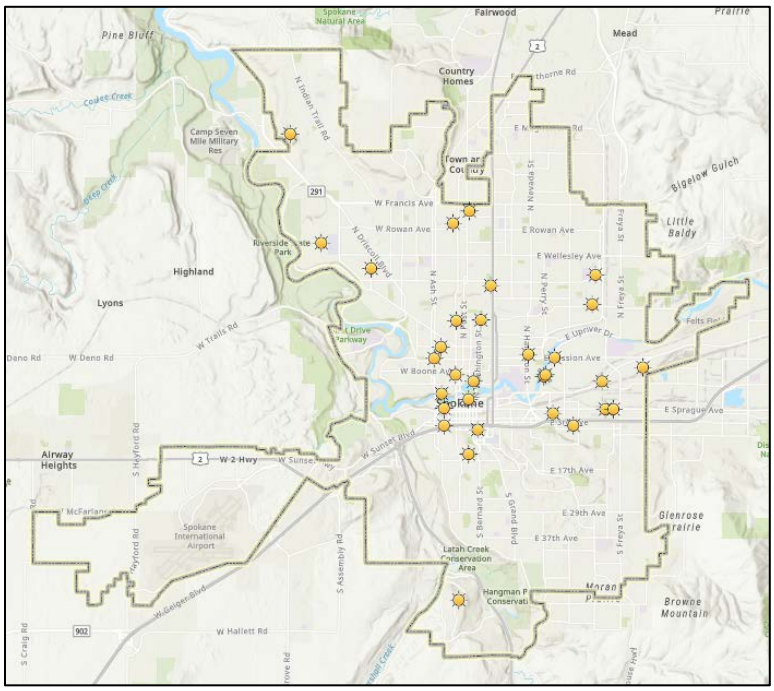


Figure 3. Location of 2023 Illicit Discharge Responses

2.3.6 Elimination of Illicit Discharges

Several approaches to minimize or eliminate illicit discharges to the MS4 are continually ongoing to include installing drain/curb markers, participating on the Spokane River Toxics Advisory Committee (SRTAC), and partnering with the Spokane River Forum, and openly communicating with the Spokane Riverkeeper.

2.3.7 Field Inspections, Characterization and Tracing of Illicit Discharge

Illicit discharge investigations are generally initiated from notifications received by the Illicit Discharge Hotline (509-625-7999), the MySpokane 311 hotline, or from ERTS reports provided by Ecology. The Illicit Discharge Hotline is publicized on storm drain markers throughout the city, in brochures handed out to the public, and at Spokanestormwater.org. Notifications are conveyed to city Stormwater Inspectors, who investigate, mitigate, and report on these discharges. In addition to the stormwater hotline, Wastewater Management Department storm sewer staff continually check for illicit discharges as a part of normal day-to-day operations and maintenance of stormwater assets, and often inform the public about illicit discharges as they observe behaviors and practices conducive to illicit discharges in the field. Figure 4 is a decision tree used by the department to determine if a spilled material is an illicit discharge. Records of inspections and enforcement actions by the Stormwater Inspectors are maintained in a dedicated database that is used to retain inspection reports and notices of violations. The illicit discharge program is ongoing and will continue in 2025.

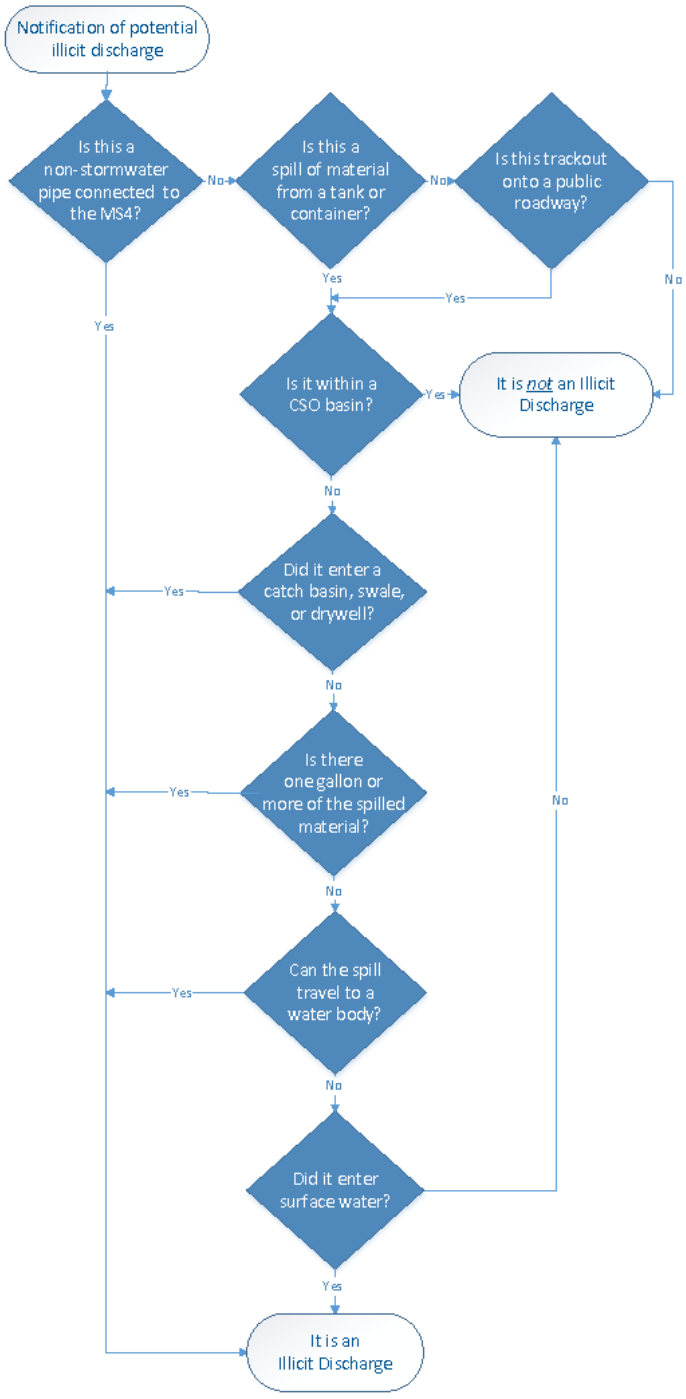


Figure 4. Illicit Discharge Decision Tree

2.4 Construction Site Stormwater Runoff Control

2.4.1 Permit Requirements for Construction Site Stormwater Runoff (§S5.B.4)

Construction site stormwater runoff is required to be managed during construction activities, and the city's stormwater permit requires the implementation of several ordinances and procedures regarding construction stormwater management. Specifically, Section S5.B.4 of the permit requires the city to implement and enforce a program to reduce construction related pollutants in stormwater runoff to the MS4.

Section S5.B.4.a requires the city to implement an ordinance that applies to construction sites disturbing one acre of land or more, and to construction projects of less than one acre that are part of a larger common plan of development or sale which is greater than one acre, in total.

The ordinance must include:

- Provisions to review site plans,
- Provisions to inspect sites with high potential for sediment transport prior to clearing or grading,
- Provision for access by qualified personnel to inspect construction-phase stormwater BMPs that discharge to the MS4, and
- Sanctions to ensure compliance with escalating enforcement procedures and actions.

The ordinance must require:

- Erosion and Sediment Controls, among others, at new development and redevelopment projects
- Construction operators to:
    - Adhere to the Core Elements, which include preparation of Construction Stormwater Pollution Prevention Plans,
    - Implement appropriate erosion and sediment control BMPs, and
    - Control waste materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site.

Section S5.B.4.b of the permit requires the city to implement procedures for site plan review which incorporates consideration of potential water quality impacts.

Section S5.B.4.c requires the city to implement procedures for site inspection and enforcement of construction stormwater pollution control measures prior to clearing and grading for high potential sites, and during construction to verify proper installation and maintenance of required erosion and sediment controls.

Section S5.B.4.d requires the city to ensure that all staff who are implementing elements of the construction stormwater program are trained accordingly.

Section S5.B.4.e requires the city to provide information to construction site operators about available training opportunities.

Section S5.B.4.g requires the city to keep records of all projects disturbing one acre or more, and all projects of any size that are part of a common plan of development or sale that is one acre or more.

2.4.2 Guidance Manuals for Development and Re-development

The permit requires that the city to mandate the use the BMPs from the Washington State Department of Ecology's *Stormwater Management Manual for Eastern Washington (SWMMEW)*, or another technically equivalent manual approved by Ecology. The *Spokane Regional Stormwater Manual (SRSM)* has historically been considered equivalent to the SWMMEW, and it is currently the stormwater manual mandated for use within the city for development and redevelopment projects. However, the SWMMEW was revised in 2024 and the content and scope have grown beyond that of the SRSM. The City of Spokane is adopting the 2024 SWMMEW with an addendum in 2026 that that will be the city's stormwater guidance manual for development and redevelopment projects. The addendum will incorporate some of the elements of the SRSM that are preferred for use within the city. Development of the addendum and adoption of the SWMMEW for mandated use is expected to be complete by 3rd quarter 2026. Until adoption of the 2024 SWMMEW with addendum, the standards and guidelines contained in the SRSM and SWMMEW are applicable for use in the Spokane upon approval from the appropriate city department.

2.4.3 Erosion and Sediment Control Plan

The SRSM outlines erosion and sediment control requirements, which are equivalent to Core Element #2, Construction Stormwater Pollution Prevention, in Appendix 1 of the permit. An Erosion and Sediment Control (ESC) plan is a requirement of the city's construction permit process and is analogous to the general elements of a Construction Stormwater Pollution Prevention Plan (SWPPP). Controlling erosion and preventing sediment and other pollutants from leaving the project site during the construction phase is achievable through selection and implementation of BMPs that are appropriate both to the site and to the season during which construction occurs.

Per the SRSM, the four objectives of the ESC Plan are to:

- Protect existing or proposed stormwater management infrastructure,
- Minimize the impacts of erosion, sedimentation and increased runoff caused by land-disturbing activities on private property, public roads and rights-of-way, and water bodies,
- Protect the health, safety, and welfare of the general public, and
- Protect water quality.

Section 17D.090.070 of the Spokane Municipal Code, requires the generation of an ESC for projects that disturb 5000 square feet, and projects on special sites. Special sites are defined in SMC 17D.090.080, and may include sites with greater than 10 percent slope, highly erosive soils, slope lengths greater than 300 feet, or disturbance of a natural vegetative buffer within 50 feet of a wetland or water body. If an ESC Plan is not required, the proponent would still be responsible to control erosion

and sediment during construction. Section 17D.090.070 was updated in 2021 to include the requirement of a Construction SWPPP, where applicable per the Construction Stormwater General Permit issued by Ecology.

In accordance with city review procedures and permitting processes, Erosion and Sediment Control (ESC) plans are reviewed by the Development Services Center to ensure the proposed projects will control erosion and keep pollutants from leaving the project site during construction. An ESC Plan is prescribed as one of the minimum required elements for the commercial development application. Application submittal requirements are provided on the city's Development Services Center Commercial Building Review website.

2.4.4 Construction Site Inspection and Enforcement

Construction oversight on City of Spokane development projects is provided by the Field Engineering Department. The Field Engineering inspectors verify proper installation and maintenance of required erosion and sediment controls for city construction projects prior to clearing and grading for construction if a high potential for sediment transport is determined. Inspectors and field engineers from the City of Spokane Developer Services Center, Field Engineering, and Wastewater Management Department inspect privately constructed infrastructure during construction. Inspection records are retained in the city's permit tracking tool.

2.4.5 Construction Stormwater Training and Informational Materials

Informational materials regarding erosion and sediment control are available to construction site operators, design professionals, and other members of the public in the Development Services Center lobby at City Hall and online at the Business and Development Resources web page.. In addition to highlighting erosion and sediment control requirements, brochures direct the target audience to the SRSM for erosion and sediment control requirements.

2.5 Post-Construction Stormwater Management

2.5.1 Permit Requirements for Post-Construction Site Stormwater Runoff (§S5.B.5)

Post-construction stormwater runoff from development and redevelopment project sites must be managed to prevent water quality impacts. Permit Section S5.B.5 requires the implementation of an enforceable program to manage post-construction stormwater runoff to the MS4 for public and private projects that disturb one acre or more or, are less than one acre but are part of a larger common plan of development or sale.

Permit Sections S5.B.5.a and S5.B.5.b.i-ii require the city to implement an ordinance that mandates development and redevelopment projects that disturb one acre or more or, are less than one acre but are part of a larger common plan of development or sale, to incorporate the BMP selection, design, installation, operation, and maintenance standards provided contained in Stormwater Management

Manual for Eastern Washington, or a functionally equivalent manual approved by Ecology, and Appendix 1 of the permit.

Section S5.B.5.b.iii of the permit requires the ordinance to either include provisions for construction-phase and post-construction access for city staff to inspect stormwater BMPs on private properties that discharge to the MS4, or require annual certifications of private stormwater BMPs by a qualified third party that BMP maintenance has been performed and the BMPS are operating as designed.

Permit Sections S5.B.5.b.iv-v of the permit requires the ordinance to include escalating enforcement procedures and the implementation of an enforcement strategy for the permit conditions in Section S5.B.5.

Section S5.B.5.d of the permit requires the city to implement procedures for qualified staff to review stormwater site plans for applicable new development and redevelopment projects, and Construction Stormwater Pollution Prevention Plans when required, to ensure that the plans include stormwater pollution prevention measures from Appendix 1 of the permit and the design standards provided from the SWMMEW, or a functionally equivalent manual approved by Ecology.

Section S5.B.5.e of the permit requires the city to implement procedures for qualified personnel to perform site inspections of post-construction stormwater control measures to ensure that the structural BMP standards in the SWMMEW or an equivalent manual are met. Post-construction structural BMPs must be inspected at least once during installation, once upon final installation or completion of the project, and at least once every five years after final installation. If the BMP inspections identify any deficiencies, then maintenance or repair is required to be performed as soon as practicable and verified complete by city personnel.

Section S5.B.5.f of the permit requires the city to train all city staff involved in permitting, planning, review, inspection, and enforcement to carry out the provisions of the post-construction stormwater program.

Section S5.B.5.g of the permit requires the city to inform design professionals of available trainings and guidance on how to comply with the requirements of Appendix 1 of the permit, and how to apply the BMPs described by the SWMMEW or an equivalent manual.

Section S5.B.5.h of the permit requires the city to retain project records for 5 years for all projects applicable to the requirements of the post-construction stormwater program, with the exception of operation and maintenance plans, which must be kept for the life of the BMP. In addition, the city must maintain copies of the information provided to design professionals, and retain staff training records that includes dates, course descriptions, and staff names/positions.

2.5.2 Post-Construction Stormwater Ordinances

Post-construction stormwater management is addressed in Chapter 17D.060 of the Spokane Municipal Code, which details the duties of property owners, prohibition of illicit discharges, site inspection

requirements, and enforcement measures, among others. Chapter 17D.060 of the code references the SRSM and SWMMEW guidance manuals and the City of Spokane design standards and specifications as relevant standards that are protective of stormwater, such as the, among others.

2.5.3 Encouragement of Low Impact Development

The city encourages the use of Low Impact Development (LID) principles that strive to mimic pre-disturbance hydrological processes by emphasizing site conservation, use of on-site natural features, site planning, and distributed stormwater management practices on development and redevelopment projects. Chapter 17D.060.300 of the Spokane Municipal Code references the Eastern Washington LID Guidance Manual for use as supplemental guidance for the design, construction, and maintenance of LID stormwater BMPs suited to Eastern Washington. The regional LID manual focuses on the practices of stormwater pollution prevention, flow control, and treatment by promoting the use of natural features and managing stormwater as close to where it falls as possible. The LID guidance manual is available from the Spokane Stormwater Green Infrastructure website.

2.5.4 Procedures for Development Site Plan Review

The Development Services Center requires developers to submit an operation and maintenance plan for a project's stormwater treatment facilities, and a draft copy of the Conditions, Covenants and Restrictions (CC&Rs) for homeowners' associations that will be in charge of operating and maintaining stormwater treatment facilities, per the city's plan review process. .

Drainage submittals are reviewed the Developers Services Center for compliance with the Spokane Municipal Code by when creation of impervious areas is proposed and for projects in critical areas of management and buffer zones. Development Services Center reviews drainage submittals to ensure they meet the for civil engineering requirements provided by the city's Engineering Design Standards and stormwater guidance manuals.

Engineering Services Department develops and/or reviews project designs and stormwater plans for city projects in the public right-of-way to ensure consistency with the city's Engineering Design Standards.

The Development Services Center reviews and approves drainage submittals for private commercial and residential developments. A Stormwater Intake Checklist was added to the city's Business and Development website to ease the review process. The drainage submittal requires a Drainage Report, Drainage Plan, Grading Plan, Swale Details, and Erosion and Sediment Control Plans and Details.

The developer must address any comments resulting from city staff review and submit revised plans to the city. After confirming that staff comments have been adequately addressed, the Development Services Center will send the developer a letter accepting the design and permitting construction.

2.5.5 Construction Site Inspection and Enforcement

Field Technicians from the Engineering Services Department provide construction oversight and site inspections for public projects. Construction Inspectors from the Development Services Center perform construction oversight and site inspections for private projects. Stormwater Inspectors from the

Wastewater Management Department inspect stormwater controls and infrastructure once during construction and a final inspection when construction is complete for public and private projects.

Deficiencies identified during site inspections of either private or public projects are added to a punch list to be completed by either the developer or the contractor, respectively. Final approval, acceptance of the project, or issuance of a Certificate of Occupancy, dependent on the type of project, does not occur until all deficiencies have been corrected.

2.5.6 Post-Construction Site Inspection and Enforcement

Post-construction stormwater BMPs generally include collection, conveyance, treatment, and discharge infrastructure. Stormwater BMPs that are used to manage stormwater from public properties and roadways are public stormwater assets inspected and maintained by the city. Public stormwater assets are inspected at a minimum of every 2 years, but typically more frequently, by Wastewater Management Department staff. Maintenance is performed on the stormwater assets as needed, based on the inspection results of the structures. Inspection and maintenance activities are documented and tracked with asset management programs by Wastewater Management Department Supervisors.

Stormwater BMPs on private property used to manage stormwater runoff from private property are required to be inspected and maintained by the property owner. Private stormwater BMPs that meet the applicability criteria defined in Section 17D.060.140.E of the Spokane Municipal Code are required to be registered in the City of Spokane Private Stormwater Facility Annual Certification Program. The program requires applicable private stormwater facilities to be certified annually by a third-party qualified stormwater professional that they are being maintained and functioning as designed. Any deficiencies noted during the inspection are required to be corrected prior to submission of the certification. Certification forms must be submitted to the Wastewater Management Department via Spokane Accela Citizens Access portal, or in hard copy by mail, for confirmation of completion and record retention.

2.5.7 Training for Staff and Stormwater Professionals

The Development Services Center is responsible for providing information to construction site operators and design professionals about training available regarding how to (1) install and maintain effective erosion and sediment controls, (2) comply with the requirements of Appendix 1 of the Permit and (3) apply the BMPs detailed in the stormwater guidance manual. The Center retains copies of the training information provided to construction site operators.

Staff and professional training was provided for employees and design professionals to aid in reaching water quality goals, ensure permit compliance, and reduce pollution to stormwater runoff. Six training modules were developed, including NPDES Overview, Operations and Maintenance, Facility Inspections, Site Plan Review, Illicit Discharge, and LID. Training records are kept in Wastewater Management Department files that include training materials, the dates of trainings, and attendees.

2.6 Municipal Operations and Maintenance

2.6.1 Permit Requirements Pollution Prevention by Municipal Operations (§S5.B.6)

Pollution prevention includes good housekeeping and controlling the source of potential pollutants to that they are isolated from coming into contact with stormwater. Section S5.B6 of the permit requires the city to implement an operation and maintenance program with the goal of preventing or reducing pollutant runoff from municipal operations.

Section S5.B.6.a of the permit requires the city to develop an Operation and Maintenance (O&M) Plan that details a schedule of the city's Operation and Maintenance activities. The O&M Plan must include BMPs that will reduce the discharge of pollutants and protect water quality, and include O&M standards at least as protective as those listed in the SWMMEW or another functionally equivalent stormwater manual approved by Ecology.

Section S5.B.6.a.i of the permit requires the O&M Plan to include appropriate pollution prevention procedures for the following types of facilities and/or activities:

Stormwater Collection and Conveyance System

Inspection and cleaning of the following stormwater collection and conveyance system components:

- Catch basins
- Stormwater sewer pipes
- Open channels
- Culverts
- Structural stormwater treatment, and
- Structural stormwater treatment flow control facilities.

Waste generated from the O&M collection and conveyance components shall be disposed of in accordance with Appendix 6 of the permit.

Roads, highways, and parking lots

Maintenance of roads, highways, and parking lots owned or operated by the city, and which constitute pollutant generating impervious surfaces of ≥ 5,000 square feet, to include:

- Street cleaning
- Deicing
- Snow removal
- Management of snow storage areas
- Management of material storage areas (e.g. salt, sand, etc.), and
- Implementation of BMPs to reduce road and parking lot debris/pollutants.

Vehicle fleets and Equipment

Maintenance of city equipment and fleet vehicles must occur in covered self-contained areas, or designated areas operated to keep stormwater separate from materials and wastewaters, to include:

- Storage,
- Washing,
- Maintenance,
- Repair, and
- Fueling.

Municipal buildings

Pollution prevention, good housekeeping, and PCB mitigation practices are required for municipal buildings owned or operated by the city to include:

- Cleaning,
- Washing,
- Painting,
- Maintenance,
- Renovations, and
- Demolitions.

Parks and open space

Pollution prevention, good housekeeping, and best management practices are required for activities in parks and open spaces to include:

- Applying fertilizer,
- Applying pesticides, and herbicides,
- Managing pet waste,
- Controlling sediment migration and erosion,
- Maintaining landscapes and disposing of vegetation
- Handling trash and dumpsters, and
- Cleaning and maintain building exteriors.

Construction projects

Public construction projects must comply with the requirements applied to private projects, to include:

- Obtaining a Construction Stormwater General Permit, if applicable, and
- Implementing construction and post-construction controls in accordance with the Core Elements in Appendix 1 of the permit.

Industrial Activities

Industrial facilities owned or operated by the city must:

- Obtain an Industrial Stormwater General Permit, if applicable, or another NPDES permit that authorizes stormwater discharges associated with the activity.

Material storage areas, heavy equipment storage areas, and maintenance areas

Municipal SWPPPs are required for material storage areas, heavy equipment storage areas, and maintenance areas owned or operated by the city, except those which have obtained coverage under another NPDES permit, and must include:

- Site map showing the facility's stormwater drainage, discharge points, and potential pollution-generating areas,
- Inventory of the site materials and equipment that may be exposed to precipitation or runoff,
- List of site activities that may expose materials to precipitation or runoff,
- Spill prevention and response plan,
- Description and implementation schedule of site BMPs (operational and structural),
- Annual facility inspections, to include visual observations of discharges, to evaluate BMP effectiveness, identify maintenance needs, and determine if BMPs need to be modified, and
- Documentation of inspection report or checklist.

Flood management projects

The city is required to assess water quality impacts, and consider controls that minimize impacts to site hydrology, in the design of all new flood management projects.

Other facilities that would reasonably be expected to discharge contaminated runoff

City facilities that may discharge contaminated runoff must implement BMPs to protect water quality.

Section S5.B6.a.ii of the permit requires the O&M Plan to include a schedule of inspections and requirements for recordkeeping in accordance with permit Section S9 – *Reporting and Record Keeping* that includes:

- Inspection of 95% of the city's stormwater treatment and flow control facilities (except catch basins) at least once every two years,
- Inspection all the city's catch basins and inlets at least every two years, to include cleaning per maintenance standards, if applicable; and,
- Spot inspections of city stormwater facilities following major storm events to check for damage, where maintenance and repairs are performed as soon as practicable.

Section S5.B.6.a.iii of the permit requires the O&M Plan to identify the departments or roles responsible for performing the activities identified in the Plan.

Section S5.B.6.c of the permit requires water quality protection training for construction, operations, and maintenance job functions that may impact stormwater quality on applicable O&M requirements, site SWPPPs, inspection procedures, street sweeper operation, and jobsite pollution prevention. Training records must be retained and include dates, course descriptions, and names and job roles of the attendees.

2.6.2 Municipal Operations and Maintenance Program

An operation and maintenance (O&M) program has been developed and implemented that includes a citywide Operation and Maintenance Plan for typical municipal activities, site specific SWPPPs for applicable municipal properties, and a recurring training component, where the ultimate goal is reducing or preventing pollutant runoff from municipal operations in order to protect water quality.

2.6.3 Municipal Stormwater Operations and Maintenance Plan

The Wastewater Management Department developed the City of Spokane Municipal Stormwater O&M Plan to replace several obsolete department-specific O&M Plans. The Municipal Stormwater O&M Plan is a comprehensive document that contains a schedule of municipal O&M activities, and BMP guidance documents specific to typical job functions and tasks, that have the potential to impact water quality. The schedule of municipal O&M activities in the Plan are organized into sections per type of municipal asset as follows:

- Stormwater Collection and Conveyance System,
- Roads, Highways and Parking Lots,
- Vehicle Fleets,
- Municipal Buildings,
- Parks and Open Space,
- Construction Projects,
- Industrial Activities, and
- SWPPPs.

Appendix A of the Plan contains several BMP guidance documents that were adopted from the SWMMEW and grouped into these categories:

- General Housekeeping,
- General Maintenance and Construction,
- Active Construction Site,
- Landscaping and Vegetation Management,
- Fertilizers and Pesticides,
- Materials Management and Spill Control,
- Vehicles and Equipment,
- Street and Roadway,
- Stormwater Collection and Conveyance System, and
- General Administrative.

2.6.4 Schedule of Municipal O&M Activities

2.6.4.1 Stormwater Collection and Conveyance System

The Sewer Maintenance Division of the Wastewater Management Department manages the city's storm sewer infrastructure (i.e. catch basins, storm sewer pipes, open channels, culverts, stormwater treatment facilities, flow control facilities, and drywells), regularly inspects and maintains the

components of the system. The Municipal Stormwater O&M Plan documents the inspection and maintenance frequencies of the storm sewer system components. BMP-specific procedures for inspecting and maintaining the storm sewer system are provided in the O&M Plan.

Waste generated from cleaning and maintaining the stormwater collection and conveyance system are taken to the city's decant facility, where the liquids are separated from solids and conveyed to an evaporation pond, and the solids are dried and transported to a permitted solid waste landfill. A site-specific Municipal SWPPP was written for the decant facility and is kept on-site.

2.6.4.2 Roads, Highways and Parking Lots

City Departments that own parking lots are responsible for maintaining their parking lots and parking areas, which includes good housekeeping, clearing the pavements, removing snow, and protecting stormwater.

The Streets Department is responsible for maintaining the city's streets, roads, and highways to ensure they are safe for travel, which includes performing maintenance activities, clearing obstructions, managing snow removal, adding sand and/or deicer, and performing street sweeping to recover accumulated pollutants before they are transported downstream by runoff. Street debris waste is transported to the city's decant facility and unloaded to dry. Dry street debris is landfilled in a permitted solid waste landfill. BMP-specific documents on good housekeeping practices, management of bulk materials, application of pesticides, and maintenance of roadways, among others, are provided in the Municipal Stormwater O&M Plan.

2.6.4.3 Vehicle Fleets

City departments that own vehicles are responsible for operating, fueling, storing, and washing their vehicles, as well as maintaining the vehicle parking areas to protect stormwater. City vehicles and equipment are washed at a dedicated car wash, and the washwaters are discharged to the sanitary sewer. Maintenance and repair of city owned vehicles and equipment is typically performed by Fleet Services at the Central Services Center, where stormwater is managed per a site-specific Municipal SWPPP. Vehicle and equipment maintenance may be performed by the owning department inside a building or in areas operated to minimize the impacts to stormwater. Stormwater BMPs applicable to storing, washing, fueling, and maintaining city vehicles are provided in Municipal Stormwater O&M Plan.

2.6.4.4 Municipal Buildings

Maintenance of municipal buildings (e.g. cleaning, washing, painting, and landscape maintenance) is the responsibility of the owning department, who is expected to implement stormwater BMPs when performing cleaning and maintenance activities in order to reduce the potential for pollutants to enter the storm sewer. Stormwater BMP documents for building maintenance are provided in the Municipal Stormwater O&M Plan.

2.6.4.5 Parks and Open Space

The maintenance of parks and open space areas includes fertilization, mowing, pesticide application, and supplemental irrigation, and has significant potential to impact stormwater and ultimately the

Spokane River. Potential pollutants from these activities include nutrients (ammonia and phosphorous), chemicals (pesticides), organic debris, and sediment, among others, which must be mitigated with appropriate stormwater BMPs. Stormwater treatment facilities and green stormwater infrastructure are often incorporated into parks and open spaces to provide multi-use facilities for the public. Green areas used to manage stormwater have additional maintenance requirements beyond those for parks and open spaces alone.

The Parks and Recreation Department is responsible for maintaining the vegetation in city owned parks, open spaces, and stormwater treatment facilities. Stormwater BMPs applicable to the maintenance activities performed at parks and open spaces, as well as BMPs for stormwater bioinfiltration facilities, are provided in the citywide Municipal Stormwater O&M Plan as guidance resources for the departments responsible for their maintenance.

2.6.4.6 Construction Projects

Public and private construction projects are required to comply with Appendix 1 of the permit, which details the requirements of seven core elements for the protection of stormwater. In addition, larger construction projects are also required to obtain a project specific Construction General Stormwater Permit from the Department of Ecology.

Construction projects have significant potential to impact stormwater via dirt particles from exposed soils, and via the building materials and chemicals/ coatings/ fluids used for the construction project. Stormwater pollution prevention BMPs are required to be implemented for construction projects performed by the city. BMPs for both large and small construction sites are provided in the citywide Municipal Stormwater O&M Plan

2.6.4.7 Industrial Activities

Industrial activities have a significant potential to impact stormwater with pollutants that are specific to industrial sectors. The City of Spokane municipal operations activities which would typically qualify for an industrial stormwater permit are the Northside Landfill and the Waste to Energy Facility.

The Northside Landfill is closed to the public and no longer accepts municipal solid waste for disposal. The Waste to Energy Facility is active, and conducts all waste transfer and processing of materials indoors under a building roof. In lieu of an industrial stormwater permit, the Northside Landfill and the Waste to Energy Facility sites manage stormwater onsite in accordance with a site-specific SWPPP, as required for municipal operations by the permit.

The Northside Landfill and Waste to Energy Facility are responsible to update the site-specific SWPPPs for each respective facility to reflect current activities and operations, and to continue to perform the required tasks identified in the SWPPP for each site. In addition to carrying out the SWPPP, the Northside Landfill and Waste to Energy Facility both implement some applicable stormwater BMPs that are not provided in the site specific SWPPP, specifically BMPs for good housekeeping and non-routine maintenance activities, which are provided in the citywide Municipal Stormwater O&M Plan.

The Riverside State Park Water Reclamation Facility (RPWRF) is a publicly owned wastewater treatment plant operating under a National Pollutant Discharge Elimination System (NPDES) permit specific to the

facility. RPWRF is responsible to operate in accordance with the conditions of its' NPDES permit, and the requirements of the municipal stormwater permit do not regulate any activities at RPWRF.

2.6.4.8 Staff Training

The city provides stormwater training for employees with primary construction, operation, or maintenance job functions likely to impact stormwater quality. Training is typically performed by each department for the applicable personnel, and it addresses the importance of protecting water quality, the requirements of the permit, operation and maintenance requirements, inspection procedures, ways to perform job activities to prevent or minimize impacts to water quality, and procedures for reporting water quality concerns (such as potential/observed illicit discharges). The city's stormwater training program is part of the long-term strategy for the implementation of the citywide Municipal Stormwater O&M Plan. Every employee will receive annual training on the O&M Plan by department stormwater focal points, who will have been trained as trainers on the O&M Plan and stormwater protection.

2.6.4.9 Site-Specific Municipal SWPPPs

Site-specific Municipal SWPPPs have been developed for municipal properties that have material storage areas, heavy equipment storage areas, and outdoor maintenance areas. The SWPPPs contain site maps, inventories of equipment and materials on-site, descriptions of the operations activities, spill mitigation procedures, inspection criteria to identify site conditions, and water quality protection practices specific to each site. Table 2.6 provides information of City of Spokane site-specific SWPPPs.

Table 1. Site-Specific SWPPPs

SWPPP Property	Property Address	Department	SWPPP Date
Sewer Maintenance Operations	909 E Sprague Avenue	Wastewater Management	Dec 2022
Vactor Waste Facility	2401 E Ferry Road	Wastewater Management	Aug 2019
Water Department Operations	914 E Foothills Drive	Water	Dec 2022
Northside Landfill	7202 N Nine Mile Road	Solid Waste Disposal	Mar 2021
Waste to Energy Facility	8125 W Pilot Drive	Solid Waste Disposal	Dec 2022
Parks Operations Complex	2304 E Mallon Street	Parks and Recreation	Dec 2022
Riverfront Park	610 W Spokane Falls Blvd	Parks and Recreation	Dec 2022
Manito Park	2406 S Tekoa Street	Parks and Recreation	Dec 2022
Central Services Center	915 N Nelson Street	Streets, Fleets Services, Solid Waste Collections	Oct 2019

3. COMPLIANCE WITH TOTAL MAXIMUM DAILY LOAD

3.1 Total Maximum Daily Load (TMDL)

3.1.1 TMDL Permit Requirements (§S7)

Section S7 of the permit requires the city to apply the conditions of the Total Maximum Daily Limit (TMDL) applied to the Spokane River and Lake Spokane (Long Lake), which are detailed in Appendix 2 of the permit. Appendix 2 states that the city must:

- Continue to monitor Cochran Basin for phosphorus, ammonia, CBOD, and flow rates in accordance with the Cochran Basin DO TMDL Stormwater Sampling Quality Assurance Project Plan (April 2016);
- Continue to implement the monitoring program throughout the duration of the Eastern Washington Phase II Permit issued on August 1, 2024, and expires on July 31, 2029;
- Enter the results of monitoring for each calendar year into Ecology's EIM database by January 31st of the following year;
- Evaluate and report the results of the monitoring program on an annual basis with respect the city's share of the stormwater Waste Load Allocations in the TMDL; and
- Evaluate and report on changes in flow and pollutants discharged from the Cochran Basin stormwater outfall for the applicable TMDL parameters following the implementation of the Cochran Basin stormwater facility retrofit projects no later than March 31,2028.

3.1.2 Dissolved Oxygen TMDL Stormwater Monitoring

Stormwater monitoring is performed at the Cochran Basin outfall to comply with TMDL stormwater monitoring requirements of Appendix 2 of the permit. Stormwater from the Cochran Basin is representative of stormwater discharges from the city's MS4, and the Cochran Basin outfall near TJ Meenach Drive is monitored as the proxy location to determine the citywide DO TMDL waste loads to the Spokane River. Stormwater discharges from the Cochran Bain outfall have been monitored per the stormwater TMDL since 2016 through 2025, to include continuous flow monitoring, and stormwater sampling and analysis.

The stormwater TMDL monitoring samples were analyzed for temperature, total suspended solids, carbonaceous biological oxygen demand, total phosphorous, ammonia nitrogen, and polychlorinated biphenyls. The analytical data was used to calculate both the annual and seasonal (March 1st - October 31st) waste loads of stormwater pollutants to the Spokane River. The annual and seasonal stormwater TMDL calculated waste loads from 2016 – 2025are presented in the Table 2 and Table 3, respectively. The stormwater TMDL waste load allocations (WLAs) are included in the tables for reference.

Table 2. Median Seasonal Stormwater Waste Loads

Year	CBOD (lbs/day)	Total P (lbs/day)	NH3-N (lbs/day)
2016	**79.5**	1.8	0.22
2017	**73.1**	4.8	0.00
2018	12.5	0.6	0.08
2019	42.2	2.1	**1.58**
2020	33.8	1.0	0.1
2021	7.0	0.4	0.11
2022	**60.1**	2.6	**1.50**
2023	29.5	1.1	0.98
2024	42.1	0.7	0.15
2025	48.5	1.6	0.32
WLAs	59.1	6.1	0.98

Bold values indicate calculated waste loads greater than the Waste Load Allocation (WLA)

Table 3. Median Annual Stormwater Waste Loads

Year	CBOD (lbs/day)	Total P (lbs/day)	NH3-N (lbs/day)
2016	**73.9**	1.6	0.21
2017	**125.0**	3.5	0.00
2018	25.4	1.0	0.48
2019	**84.5**	2.4	**1.41**
2020	30.7	2.1	0.96
2021	21.0	1.1	0.32
2022	**91.5**	3.9	**2.65**
2023	**69.6**	2.5	**2.32**
2024	**142.3**	2.6	0.54
2025	**100.5**	3.3	0.66
WLAs	59.1	6.1	0.98

Bold values indicate calculated waste loads was greater than the Waste Load Allocation (WLA)

The median annual stormwater waste load for CBOD was exceeded in 2016, 2017, and, and in response, the city submitted the Stormwater TMDL Waste Load Reduction Action Plan was submitted to Ecology on August 6, 2020. The response plan detailed the construction of stormwater infrastructure that will ultimately eliminate discharges from Cochran Basin into the river for storms up to the size of the 6-month design storm. In support of treatment for Cochran Basin stormwater runoff, the city evaluated

treatment facility design options at properties near or within the basin. The evaluation determined that the preferred design option would be to construct three separate treatment facilities near the current Cochran Basin stormwater outfall. The three bioretention facility locations will be at TJ Meenach Drive and Northwest Boulevard, the Disc Golf Course at Downriver, and the Boat Launch facility near the TJ Meenach Bridge. Flows to each facility will be managed from a single common flow control vault in Cochran Street between Cleveland and Grace Avenues. The flow control vault will distribute prescribed flows to each of the three facilities, and will bypass flows in excess of the 6-month design storm to the existing outfall which discharges to the Spokane River. Construction of the Cochran Basin Stormwater facilities was completed in late 2023, and was brought incrementally throughout 2024 and 2025.

Monitoring continued in 2025 in accordance with the protocols established by the Cochran Basin DO TMDL Stormwater Sampling Quality Assurance Project Plan (QAPP). Six qualifying storm events were monitored and sampled for phosphorus, ammonia, CBOD, and flow rates, among other parameters. Monitoring will continue in accordance with the QAPP through the end of the current permit cycle in July 2029. Monitoring results were tabulated and uploaded into Ecology's Environmental Information Management (EIM) database for all data collected in 2020, 2021, 2022, 2023, 2024, and 2025. Summary reports for the stormwater TMDL monitoring have been developed and are on file with the city's stormwater program. Monitoring will continue to occur in 2026.

4. MONITORING AND ASSESSMENT

4.1 Stormwater Management Program Effectiveness Studies

4.1.1 Effectiveness Study Permit Requirements (§S8)

Section S8 of the permit requires the city perform and/or participate in effectiveness studies, and monitor tree canopy. Section S8.A.1 of the permit requires the city to adopt and implement tree canopy goals and policies to support stormwater management by December 31, 2028. Per this section of the permit, the city must:

- Consider how existing or future tree canopy can support stormwater management and water quality improvement in receiving waters;
- Establish a long-term (5 years or longer) goal of canopy, existing or future projection, to be used for stormwater management and which is appropriate for the jurisdiction;
- Consider maintaining or increasing canopy in overburdened communities;
- Consider maintaining existing mature canopy; and
- Document considerations, reasoning, and rationale for goals and policies.

Section S8.B.1 requires the city to continue to implement the effectiveness studies that are ongoing from 2014-2019 and 2019-2024 permit cycles in accordance with the applicable Quality Assurance Project Plans (QAPPs).

- Section S8.B.1 of the permit requires the city to continue to participate in implementation of the eight Ecology-approved studies that were selected pursuant to Section S8 in the Eastern Washington Phase II Municipal Stormwater Permits (2014-2019 and 2019-2024) in accordance with the QAPPs.
- Section S8.B.2 of the permit requires the city to notify Ecology, in writing, which of the options presented in permit Section S8.B.3 the city chooses to carry out during the 2024-2029 permit term, and to submit such notification on or before December 1, 2024.
- Section S8.B.3 of the permit lists three options from which the city may choose in order to fulfill the requirements of permit section S8. These options are as follows:
    - Section S8.B.3.a of the permit describes the Regional Stormwater Management Plan (SWMP) Effectiveness Study, which would require the city to coordinate with other local permittees to plan and initiate an additional SWMP effectiveness study according to the requirements listed in permit section S8.C.
    - Section S8.B.3.b of the permit describes the Stormwater Action Monitoring (SAM) Collective, which would require the city to submit annual payments into the SAM collective fund to implement SWMP Effectiveness and Source Identification Studies. Such payments would be due on or before August 15 of each year, beginning in 2025, and would be submitted according to permit section S8.D. Up to three times per permit term (2024-2029), the SAM coordinator may submit information requests to the city's permit

coordinator via Ecology's regional permit manager, for the purposes of effectiveness and source identification studies under contract with Ecology as active SAM projects. The city would have 90 days to provide any and all requested information.

- Section S8.B.3.c of the permit describes Stormwater Discharge Monitoring, which would require the city to conduct stormwater discharge monitoring according to the requirements listed in permit section S8.E.

- Section S8.C of the permit describes requirements applying to permittees who choose to coordinate with other permittees in their urban area to plan and begin an additional SWMP effectiveness study per permit section S8.B.3.a. This section would require the city to:
  - Participate in the effectiveness study by serving as the lead entity, contributing staff time or other in-kind services for the purposes of conducting the study, and/or provide funding;
  - Submit a brief description of the study to Ecology, with a list of project participants and their associated roles, on or before June 30, 2025;
  - Submit a detailed study design proposal to Ecology by June 30, 2026, according to the format and instructions in the *Eastern Washington Stormwater Effectiveness Studies, Detailed Study Design Proposal and QAPP* templates (July 1, 2019, v.1) appropriate for the study type (operational, structural, or education and outreach);
  - Submit a completed QAPP to Ecology by December 31, 2026, according to the format and instructions in the appropriate QAPP template;
  - Initiate the study by June 30, 2027, or within three months of receiving Ecology's approval of the QAPP, whichever is later;
  - Include effectiveness study activities, such as assigned duties, participation in meetings/ proposal development/ project reviews, and study implementation in the permittee's updated SWMP Plan;
  - Document assigned duties, participation in meetings/ proposal development/ project reviews, and study implementation, and include a summary in the permittee's Annual Report;
  - Enter all applicable data collected into Ecology's EIM database once the final report is complete;
  - Include project data inappropriate for EIM in the Annual Report;
  - Publish a final report, with study results an recommended future actions based on the findings, within 60 days of completing the study;
  - Produce a fact sheet summarizing findings and recommendations within 90 days of completing the study and share it with other permittees; and
  - Submit the final report and fact sheet to Ecology within 90 days of completing the study.

- Section S8.D of the permit describes requirements applying to permittees who chose to make annual payments into the SAM collective fund per permit section S8.B.3.b, and states that

permittees electing to move forward with this option will be invoiced three months prior to the payment due date. Permittees are to follow the instructions on the invoice. Each permittee's payment amount will be recorded in Appendix 8 of the permit.

- Section S8.E of the permit describes requirements applying to permittees who choose to conduct stormwater discharge monitoring per permit section S8.B.3.c. This section would require the city to:
    - Conduct monitoring according to permit Appendix 9 and an Ecology-approved QAPP;
    - Monitor three independent discharge locations;
    - Submit a draft stormwater discharge monitoring QAPP to Ecology by June 30, 2025, according to the requirements in Appendix 9;
    - Submit a final QAPP to Ecology by August 15, 2025, or within 60 days of receiving Ecology's comments on the draft QAPP (whichever is later);
    - Begin flow monitoring by October 1, 2025, or within 30 days of receiving Ecology's approval of the final QAPP;
    - Fully implement a stormwater discharge monitoring program, per an Ecology-approved QAPP, by October 1, 2026;
    - Annually enter all water and solids concentration data into EIM per Appendix 9; and
    - Submit a final report to Ecology with the results of stormwater discharge monitoring and recommended future actions within 90 days of completion of the monitoring.

4.1.2 City of Spokane Effectiveness Studies

Two effectiveness studies have been recently completed by the City of Spokane: 1) Sharp Avenue Permeable Pavement Pollutant Removal Efficacy Study, and 2) Garland Avenue Biochar Amended Storm Garden Pollutant Removal Efficacy Study. Monitoring for these studies was completed in 2025 and final reports will be submitted Ecology in 2026.

4.1.2.1 Sharp Avenue Sharp Avenue Permeable Pavement

Permeable pavement, in the forms of pervious concrete and porous hot mix asphalt, was constructed on Sharp Avenue in order to satisfy the effectiveness studies requirements of Section 8 of the permit. The project was funded in part by Ecology grant WQC-2016-Spokan-000016, and construction was completed in 2018. The intent of permeable pavement is to allow for precipitation and stormwater runoff to infiltrate into the subsurface road bed. Therefore, the location of this study is its own catchment area or drainage basin. This drainage basin includes a portion of a minor arterial with Average Daily Traffic (ADT) count of 7,500 which is surrounded by residential and college-campus land use areas. The goal of this study is to collect stormwater infiltrated by the permeable pavements into the associated sub-base via underdrains and piping conveyance systems to separate monitoring locations.

Two different types of permeable pavements have been constructed on Sharp Avenue: porous hot mix asphalt (HMA) and pervious concrete. Pervious concrete with associated sub-base materials was constructed on Sharp Avenue between Lidgerwood Street and Astor Street, where a liner and underdrain were installed on the south side of Sharp Avenue to collect infiltrated stormwater for sampling. Porous HMA with associate sub-base materials was constructed on Sharp Avenue between Addison Street and Dakota Street, where a liner and underdrain were installed on the south side of Sharp Avenue between Addison Street and Standard Street to collect infiltrated stormwater for sampling. In order to collect a background stormwater control sample, which can be used to determine comparative pollutant-removal efficacies of the permeable pavements, catch basins and conveyance piping were installed to the west of the permeable pavement areas to collect un-infiltrated stormwater runoff.

A Quality Assurance Program Plan detailing the study was submitted to Ecology and approved in 2019. Monitoring at all three distinct locations began in 2019 and was ongoing for five consecutive years to include observations of the pavements through the changes in season and in response to maintenance activities such as street sweeping and snow removal. Infiltration tests at various locations were performed before and after some street sweeping events to monitor changes in the permeability of the pavements after sweeping and over time. The Sharp Ave effectiveness study was completed in 2025, and a final report will be submitted to Ecology in 2026.

4.1.2.2 Garland Avenue Biochar Amended Storm Garden

Storm gardens were installed on Garland Avenue in order to satisfy the effectiveness studies requirements of Section 8 of the permit. The City of Spokane and University of Idaho funded a laboratory research study to develop a soil/biochar design mix for application in the storm gardens. The study used bench-scale laboratory testing of two different types of biochar available in the Spokane Region: 1) wood, and 2) Kentucky bluegrass stubble. The laboratory study conducted at Gonzaga University included bench scale laboratory testing to identify a soil mixture for field application. Results from the study determined that the wood biochar with loamy sand (and no other additives) removed the most pollutants. As a result, it was selected for use in the storm garden field application phase.

The goal of this study is to measure the percent reduction of monitored pollutant concentrations between the influent and effluent stormwater at the storm garden. To achieve this, the city will sample the influent (pre-infiltration) and effluent (post-infiltration) stormwater concentrations. A Quality Assurance Program Plan detailing the study was submitted to Ecology and approved in 2019. Monitoring began in 2019 and was ongoing for five consecutive years to include observations of water quality over time. The Garland Avenue effectiveness study was completed in 2025, and a final report will be submitted to Ecology in 2026

4.1.3 Additional Effectiveness Study (2019–2024 Permit Cycle)

The City of Spokane, the City of Spokane Valley, and Spokane County have partnered to perform a study that will evaluate the treatment performance of two non-vegetated bioretention soil media (BSM) BMPs in Eastern Washington through the TAPE (Technology Assessment Protocol – Ecology) process. The media tested will include the high performance (HP) BSM and the 60% sand to 40% compost (60:40)

BSM. A rock mulch will be used to protect the surface from erosion. The City of Spokane was awarded a water quality grant from Ecology to perform the TAPE project in 2023, which commenced in 2024 at a swale test site on Gonzaga University.

An Effectiveness Study will be performed in concert with the TAPE Project and will leverage the TAPE data into the study for comparisons outside the scope of the TAPE Project. The study will be implemented by a consultant on behalf of all municipal partners, and the City of Spokane will be the lead entity. The details for this non-vegetated swale study were provided to Ecology in June 2021 and a detailed design study proposal was submitted to Ecology in September 2022. The effectiveness study QAPP was developed and submitted to Ecology in 2023, and the study was kicked off with the TAPE Project in 2024. The Effectiveness Study was ongoing in 2025, and continues in 2026 in alignment with the TAP project.

4.1.4 Stormwater Action Monitoring (SAM)

The City of Spokane joined Stormwater Action Monitoring (SAM) program collective in 2025. The SAM program brings together municipal stormwater permittees to cooperatively fund and select proposed projects that aim to improve stormwater management, reduce pollution, improve water quality, and reduce flooding. The SAM program requires an annual participation fee that is based on municipal populations, and it provides a structure for municipalities to cooperatively fund and steer projects with transparency and accountability. The SAM program requires an annual participation fee that is based on municipal populations. Municipalities that participate in the SAM program are able to leverage SAM projects into their stormwater programs to satisfy permit requirements in lieu of performing an effectiveness study themselves.

The Stormwater Work Group (SWG) is a formal stakeholder group consisting of Federal, Tribal, State, Port, and Municipal representatives that provides leadership and oversight on SAM projects. The City of Spokane is a voting member of the SWG as an Eastern Washington municipal representative. The SAM program selecting study proposals to fund in 3rd quarter 2026, and upon approval form the SWG, selected SAM projects will be performed in 2026-2027.

5. REPORTING REQUIREMENTS

5.1 Annual Stormwater Report

5.1.1 Permit Requirements for Reporting (§S9)

Section S9.A of the permit requires the city to submit an annual report electronically using Ecology's WQWebPortal program no later than March 31st each year.

Section S9.B requires the city to keep all records related to the permit for at least five years.

Section S9.C requires the city to make all records related to the permit and this SWMP available to the public at reasonable times during business hours, and provide a copy of the most recent Annual Report to any individual or entity, upon request.

Section S9.D of the permit requires the city to include the following in each Annual Report:

- Stormwater Management Program Plan (SWMP Plan), per permit section S5.A.4;
- Annual Report form describing the status of implementation of the requirements of the permit for the reporting period;
- Attachments to the Annual Report form, including summaries, descriptions, reports, and other information, as required or as applicable, to meet the conditions of the permit during the reporting period;
- Notice that the city is relying on another entity to satisfy any obligations under the permit, if applicable;
- Certification and signature of the report by principal executive officer or ranking elected official; and
- Notification of any annexations, incorporations, or jurisdictional boundary changes resulting in an increase or decrease in the city's permit coverage area during the reporting period.

5.1.2 City of Spokane Annual Stormwater Report

The city completes and submits the Annual Report by March 31st on an annual basis. The annual report is submitted using Ecology's WQWebPortal in SecureAccess Washington. Copies of the annual report can be found at Spokanestormwater.org under the stormwater management tab.

6. ACRONYMS

BMP:	Best Management Practice
CFR:	Code of Federal Regulation
CSO:	Combined Sewer Overflow
CWA:	Clean Water Act
ESC:	Erosion and Sedimentation Control
GIS:	Geographic Information System
LID:	Low Impact Development
MS4:	Municipal Separate Storm Sewer System
NPDES:	National Pollutant Discharge Elimination System
O&M:	Operation and Maintenance
RCW:	Revised Code of Washington
SRSM:	Spokane Regional Stormwater Manual
SMC:	Spokane Municipal Code
SMP:	Stormwater Management Plan
SWMP:	Stormwater Management Program
SWPPP:	Stormwater Pollution Prevention Plan
TMDL:	Total Maximum Daily Load
UIC:	Underground Injection Control
WAC:	Washington Administrative Code

7. DEFINITIONS

Best Management Practice: The utilization of methods, techniques and/or products that have been demonstrated to be the most effective and reliable in minimizing environmental impacts.

CWA: The federal Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended in Pub. L. 95-217, Pub. L. 95-576, pub. L. 96-483, and Pub. L 97-117, 33 U.S.C 1251 *et seq*.

Development: Any proposed land use, zoning, or rezoning, comprehensive plan amendment, annexation, subdivision, short subdivision, planned unit development, planned area development, conditional use permit, special use permit, shoreline development permit, or any other property development action permitted or regulated by the Spokane Municipal Code (SMC).

Discharge (v): Disposal, injections, dumping, spilling, pumping, emitting, emptying, leaching or placing of any material so that material enters and exits from the MS4 or from any other publicly owned or operated drainage system that convey storm water. The term includes other verb forms where applicable.

Discharge (n): Runoff, excluding offsite flows, leaving the proposed development through overland flow, built conveyance systems or infiltration facilities.

Discharger: When used in the context of stormwater management and the SMC of 17D.060 and 17D.090, means any person who discharges to the City's MS4 or any other publicly owned or operated drainage system that conveys, manages, or disposes of stormwater flows.

Drainage: (1) The process of removing surplus ground or surface water by artificial means, (2) the manner in which the waters of an area are removed, or (3) the area from which waters are drained; a drainage basin.

Erosion and Sedimentation Control: Any temporary or permanent measures taken to reduce erosion, control siltation and sedimentation, and ensure that sediment-laden water does not leave a site.

Groundwater: Water in a saturated zone or stratum beneath the surface of the land or below a surface water body.

Heavy Equipment Maintenance or Storage Yard: An uncovered area where heavy equipment (e.g. mowers, excavators, dump trucks, backhoes, or bulldozers) is washed or maintained, or where at least five pieces of heavy equipment are stored regularly or on a long term basis.

Illicit Connection(s): Any man-made conveyance connected to the municipal separate storm sewer system (MS4 system) in violation of the National Pollutant Discharge Elimination System (NPDES) permit requirements.

Illicit Discharge: The introduction or discharge of anything into the municipal separate storm sewer system (MS4 system) in violation of the National Pollutant Discharge Elimination System (NPDES) permit requirements.

Impervious Surface: A hard surface area that either prevents or retards the entry of water into the soil mantle. Common impervious surfaces include, but are not limited to, rooftops, walkways, patios, driveways, parking lots, storage areas, concrete, or surfaces that impede the natural infiltration of stormwater.

Industrial Activity: Manufacturing, processing or raw materials storage areas at an industrial plant. These activities may be required to have Department of Ecology's NPDES permit coverage in accordance with 40 CFR 122.26.

Low Impact Development: A stormwater management and land development strategy applied at the parcel and/or subdivision scale that emphasizes conservation and use of on-site natural features integrated with engineered, small-scale hydrologic controls to more closely mimic pre-development hydrologic conditions.

Material Storage Facilities: An uncovered area where bulk materials (liquid, solid, granular, etc.) are stored in piles, barrels, tanks, bins, crates, or other means.

Municipal Separate Storm Sewer System (MS4): A conveyance or system of conveyances, including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains, (1) owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State Law) having jurisdiction over disposal of wastes, stormwater, or other wastes, including special districts under State Law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States, (2) designed or used for collecting or conveying stormwater, (3) which is not a combined sewer, and (4) which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

National Pollutant Discharge Elimination System (NPDES): The national program for issuing, modifying, revoking, and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of the Federal Clean Water Act, for the discharge of pollutants to surface waters of the state from point sources. These permits are referred to as NPDES permits and, in Washington State, are administered by the Washington State Department of Ecology (Ecology).

NPDES Eastern Washington Phase II Municipal Stormwater Permit (WAR04-6505): A permit issued to the City of Spokane from the Washington State Department of Ecology, granting authority to discharge stormwater into state surface waters. Permit also addresses water quality issues.

Outfall: A point source ad defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges to waters of the State and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels, or other conveyances which connect segments of the same stream or other waters of the State and are used to convey waters of the State.

Permittee: Any Primary Permittee, Co-Permittee, or Secondary Permittee unless specifically stated otherwise for a particular section of permit WAR40-6505.

Pollutant: (1) Any substance prohibited or limited by federal, state or local regulations, released or discharged in conjunction with development. (2) Any substance, released or discharged, that causes or contributes to violation of water quality standards.

Runoff: Water that travels across the land surface, or laterally through the ground near the land surface, and discharges to water bodies either directly or through a collection and conveyance system, includes stormwater and water that travels across the land surface from other sources.

Spokane Regional Stormwater Manual: A technical document establishing standards for stormwater design and management to protect water quality, natural drainage systems, and down-gradient properties as urban development occurs.

Stormwater: Any runoff flow occurring during or after any form of natural precipitation, and resulting from such precipitation, including snowmelt. Stormwater further includes any locally accumulating ground or surface waters, even if not directly associated with natural precipitation events, where such waters contribute or have potential to contribute to runoff onto the public right-of-way, public storm or sanitary sewers, or flooding or erosion on public or private property.

Stormwater Management Program (SWMP): A set of actions and activities designed to reduce the discharge of pollutants from the regulated small MS4 to the MEP, and to protect water quality; it comprises the components listed in S5 or S6 of permit WAR04-6505 and any additional actions necessary to meet the requirements of applicable TMDLs.

Total Maximum Daily Load (TMDL): A water cleanup plan. A TMDL is both a calculation of the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point and non-point sources. The calculation includes a margin of safety to ensure that the water body can be used for its state-designated purposes. The calculation also accounts for seasonable variation in water quality. Water quality standards are set by states, territories, and tribes. They identify the uses for each water body—such as drinking water supply, contact recreation (swimming), and aquatic life support (fishing)—and the scientific criteria to support that use. The Clean Water Act, Section 303, establishes the water quality standards and TMDL programs.

8. REFERENCES

Brown, E., D. Caraco, and R. Pitt. 2004. *Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments*. Center for Watershed Protection, Ellicott City, MD. [http://cfpub.epa.gov/npdes/stormwater/menuofbmps/illicit.cfm]

Casco Bay Estuary Partnership (CBEP). *Guidelines and Standard Operating Procedures: For Stormwater Phase II Communities in Maine.* [http://www.cascobay.usm.maine.edu/publications.html].

City of Spokane, City of Spokane Valley, and Spokane County. (2008). *Spokane Regional Stormwater Manual.* http://www.spokanewastewater.org/Docs/Stormwater/Spokane_Regional_Stormwater_Manual.pdf.

Mays, L.W. (Ed.). 2001. Stormwater collection systems design handbook. New York: McGraw-Hill.

Washington State Department of Ecology, AHBL, and HDR. (2013). *Eastern Washington Low Impact Development Guidance Manual.*

Washington State Department of Ecology. (2007). Eastern Washington Phase II Municipal Stormwater Permit.

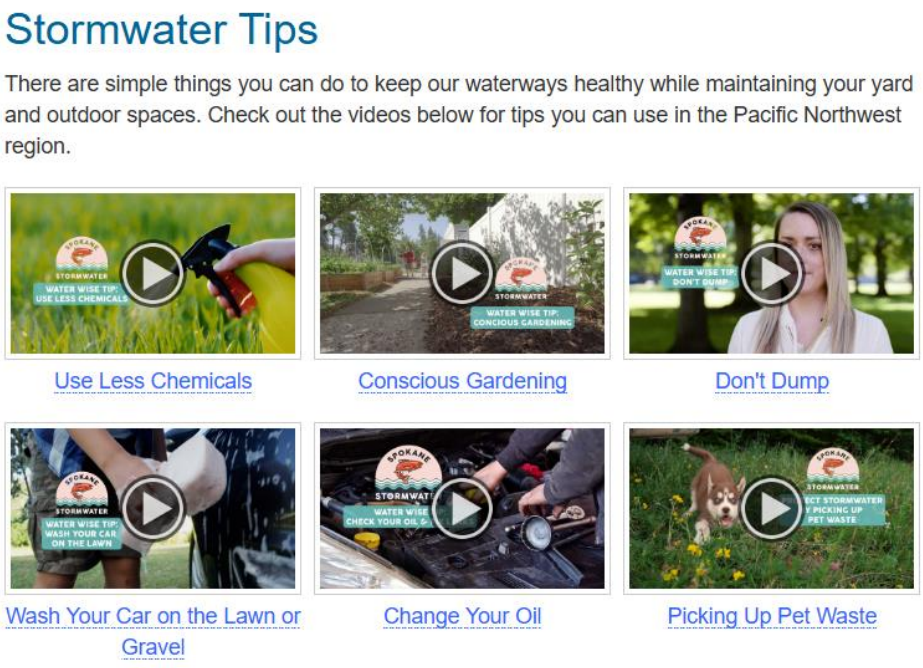
Washington State Department of Ecology. (2006). *Guidance for UIC Wells that Manage Stormwater.* Publication No. 05-10-067.

Washington State Department of Ecology. (2008). Municipal stormwater general permit: Guidance for cities and counties.

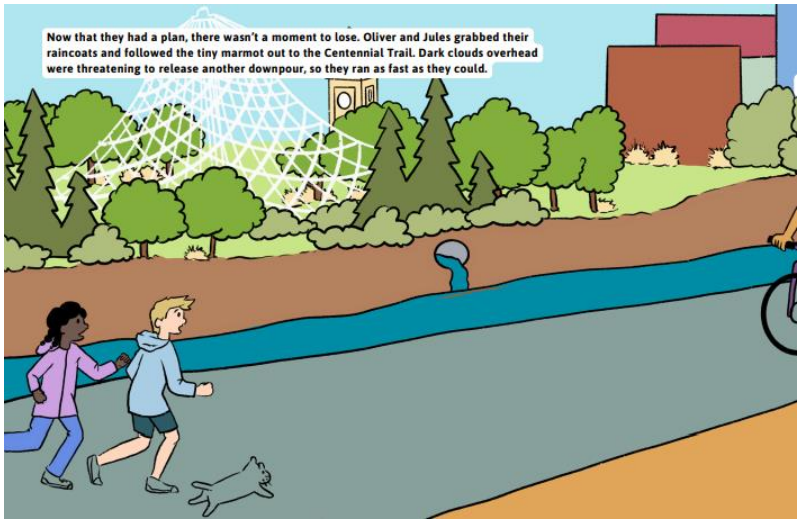
Washington State Department of Ecology. (2004). *Stormwater Management Manual for Eastern Washington.* http://www.ecy.wa.gov/programs/wq/stormwater/tech.html.

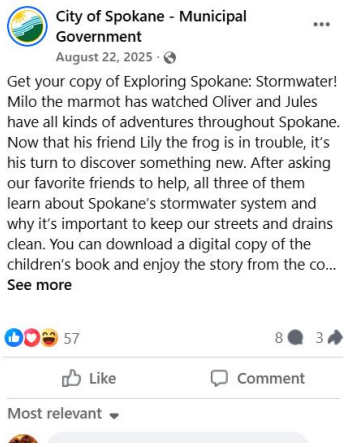
9. APPENDICES

Appendix A
Education and Outreach



Featured tips on City of Spokane website.





Author and Illustrator community public reading and community education activity lesson. Example pages of the book.

In-Person Education & Outreach				
Month, 2025	**Event**	**Location/ School**	**Audience**	**Attendees**
March	Adopt-a-Drain Presentation	In-Person & Virtual	Adults Across State	90
March	CSO26 Tour	CSO26	College Students	30
April	Earth Day	Central Library	All Ages	300
April	Arbor Day	Finch Arboretum	All Ages	200

In-Person Education & Outreach				
Month, 2025	**Event**	**Location/ School**	**Audience**	**Attendees**
May	Municon Stormwater Conference Presentation	Vancouver, WA	Adults	40
June	Manhole Art Contest Ed/Winner Announcement Assembly	Sacajawea Middle School	Students/Staff	1,000
June	Touch-a-Truck	Indian Trail Library	All Ages	150
June	Spokane Indians Game	Avista Stadium	All Ages	700
August	Children's Book Reading	Loof Carrousel	Children/Family	40
August	CSO Tour	CSO26	EWSG	15
August	River Clean-up	Redband Park	Adults	25
August	Touch-a-Truck	Hillyard Library	All Ages	200
August	Sewer Contest Dedication	Sacajawea	Adults	75
September	Touch-a-Truck	SCC	All Ages	600
September	Avista Swale Education x2	Scott Morris Center	Adults	30
October	Fall Leaf Festival	Finch Arboretum	All Ages	200
October	Swale Door-to-Door Education	Lincoln Street.	Homeowners	50
October	CSO Tour w/ Lumen School	CSO26	Students/Chaperones	40
Approximate Number of Attendees:				**3,785**

2025 In-Person Community Outreach and Education Events

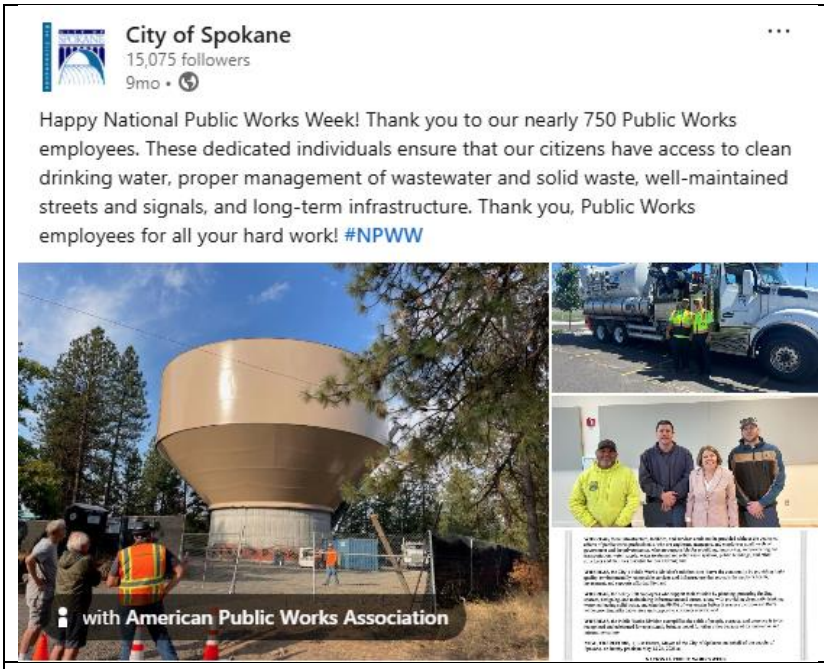
Stormwater Social Media Report

LinkedIn

LinkedIn Definitions	
Impressions	Views when the post is at least 50% on screen, or when it is clicked, whichever comes first.
Members Reached	The number of unique individual users who have seen your post, article, or video at least once
Engagements	The number of reactions, comments, shares, and saves on your post.

Average Facebook Post	
Impressions	1,770
Members Reached	1,144
Engagements	120

Post	Impressions	Members Reached	Engagements
City of Spokane 15,074 followers 8mo • Congratulations to Sacajawea Middle School Student Izzy Parker! Izzy won the Spokane Arts and City of Spokane's Wastewater Management Department's student art contest. Her design will be cast in iron and placed on the streets of Spokane! **Spokane Public Schools** 8,324 followers 8mo • ART ON THE STREET: At an all-school assembly this morning, Sacajawea Middle School 6th grader Izzy Parker was recognized as the winner of the City of Spokane Wastewater Department and Spokane Arts' 2025 Student-Designed Wastewater Access Cover Art Contest! This contest occurs every five years in Spokane as the city replaces approximately 100 wastewater access covers, also known as manhole covers. For decades and at no extra cost, the City of Spokane has added the winning student-designed artwork to these manholes to add creativity to our city streets. The design prompt was to be reflective of the ecology, water, nature, creatures or landscape of the Inland Northwest. Izzy's whimsical design featuring a kayaker on the Spokane River, lots of trees, and Spokane's unofficial mascot, the marmot, stood out the panel of judges as the top entry out of hundreds of submissions. Her family also attended the surprise reveal where Izzy received a $100 prize and goody bag from Spokane Stormwater. Congrats, Izzy!   	1,014	596	185

	436	281	38
	2,845	1,818	132

City of Spokane 15,074 followers 10mo • We are recognizing a team for Employee of the Quarter! Congratulations to Sewer Department employees Kris Reid, Peter Venable, Joaquin Leal-Rodriguez, and Eric Sanchez, along with Engineering Construction Inspector Jake West! This team responded to the Cochran Basin Stormwater System breach, which occurred before the system was fully operational due to excessive rainfall. To lessen the impacts of erosion and chances of sediment reaching the Spokane River, the team attempted to close the valve that was not operating. Despite initial efforts to close it, water continued to flow rapidly. The crew adapted by lowering sandbags and a piece of plywood to block the valve and dramatically slowed the water flow. This decreased the water entering the already full swales and protected the Spokane River. Way to go! #EmployeeRecognition 			
City of Spokane 15,074 followers 10mo • Capturing pollutants before they reach the wastewater system is critical to protecting people, infrastructure, and the environment. Each year, City of Spokane recognizes businesses and organizations that prioritize operations to protect the Spokane River by excelling in the management of their wastewater. The following have achieved 100 percent compliance with requirements in the industrial wastewater discharge permits for 2024: -Darigold, Inc. -Jubilant HollisterStier CMO -Selkirk Pharma, Inc. -Fairchild Air Force Base -Goodrich Corporation https://lnkd.in/gKRt_sH6  **Business Operations Benefit the Spokane River** my.spokanecity.org	2,134	1,513	68

X/Twitter

X/Twitter Definitions	
Impressions	The number of times your post was played or displayed.

Average Instagram Post	
Impressions	363

Post	Impressions
	299

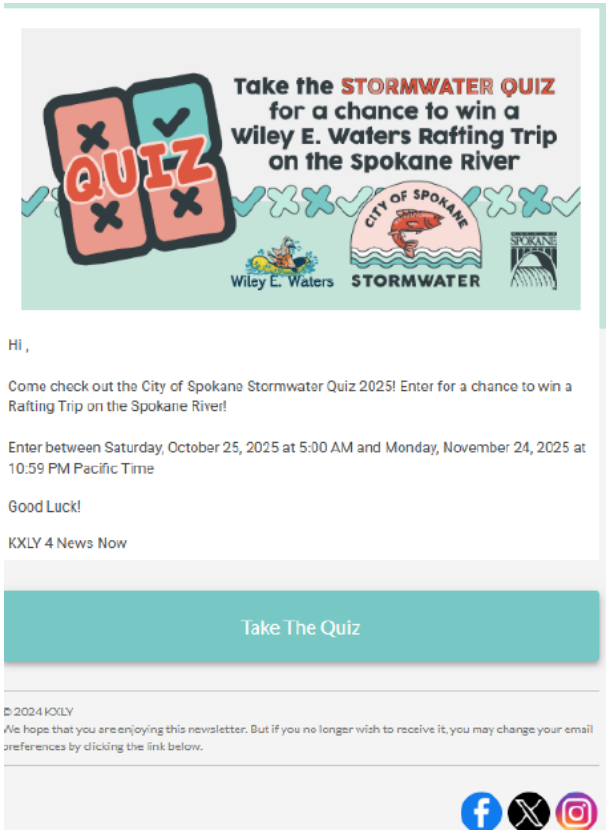
City of Spokane @SpokaneCity Students living in the City of Spokane are invited to submit a design for a wastewater access cover, also known as a manhole cover. The selected design will be cast and used in locations throughout the City. Contest ends 5/30. my.spokanecity.org/news/stories/2...  Spokane Arts	281

City of Spokane @SpokaneCity CELEBRATING NATIONAL PUBLIC WORKS WEEK! The City is proud of the employees in our Public Works Division who ensure we have clean drinking water, managed wastewater & solid waste, maintained streets & signals, long-term infrastructure, & utility bill processing. THANK YOU! #NPWW  	369

City of Spokane @SpokaneCity Visit a garbage truck, water vac truck, ambulance, and more at the Touch-a-Truck event at Hillyard Library on Friday, June 27, 9:30 - 11:30 a.m. This family event is for kids of all ages, 8 and under with an adult. Details on @spokanelibrary's website. events.spokanelibrary.org/event/13363032  	324
City of Spokane @SpokaneCity Protect stormwater by keeping soap suds on the lawn when washing your car. It's an easy way to prevent harmful chemicals from entering our waterways while giving your lawn a natural boost. Let's wash responsibly! Go to WaterWiseSpokane.org for more tips youtu.be/HAbGMnj8RZw?si...	688

City of Spokane @SpokaneCity It's time for the 2025 Water Wise Spokane challenge! Enter by Tuesday, July 15, so you can learn more about simple ways to use less water and get a credit on your water bill this summer! Learn more at WaterWiseSpokane.org. 	315

Attachment B. KXLY Television Campaign, Golden Stencil Community Contest and Quiz



	Impressions	Clicks	CTR	Reach
Marquee Ad – 10.29.2025	16,379	24	0.15%	N/A
Branded Facebook Post -10.29.2025	12,488	286	2.29%	8,489
Onsite Display – KXLY.com	20,005	5	0.02%	N/A
TOTAL	**48,872**	**315**	**0.65%**	**8,489**

Attachment C. Spokane Regional Health District Pollution Prevention Report

Spokane Regional Health District

Pollution Prevention Visits located within the City of Spokane

January 1, 2025- December 31, 2025

Site Visit Information	
Number of **Initial** Site Visits During the Reporting Period:	82
Number of **Screening** Site Visits During the Reporting Period:	35
Number of **Follow-up** Site Visits During the Reporting Period:	48
Total Number of Site Visits During the Reporting Period:	165

Site Visit Definitions

- *Initial Site Visit*- occurs at the actual site and results in a completed 'checklist' (or enough data gathered to complete data entry into the Pollution Prevention Database
- *Screening Visit*- an attempted visit to the site, but the business declined or put off the visit and unable to gather complete data, or the business no longer exists.
- *Follow-up Visit*- Should occur within 90 days of the initial visit. The follow-up visit must be conducted to resolve high priority environmental issues.

Sector Focus Areas

We focused on the following sectors:

- Restaurants/Grocery Stores- focus was talking to the restaurants and grocery stores about food rescue and getting them interested and certified in EnviroCertified Food Rescue
- Automotive Facilities
- Schools
- Property management
- Any other sectors that we have received complaints for Small Quantity Generators (SQG's).

Site Visit Highlights

2- Environmental Report Tracking (ERTS) complaints (from the Department of Ecology) were conducted and followed up.

43- Spill kits were delivered.

14- Businesses were referred for the EnviroCertified program.

Means of Communication to the businesses

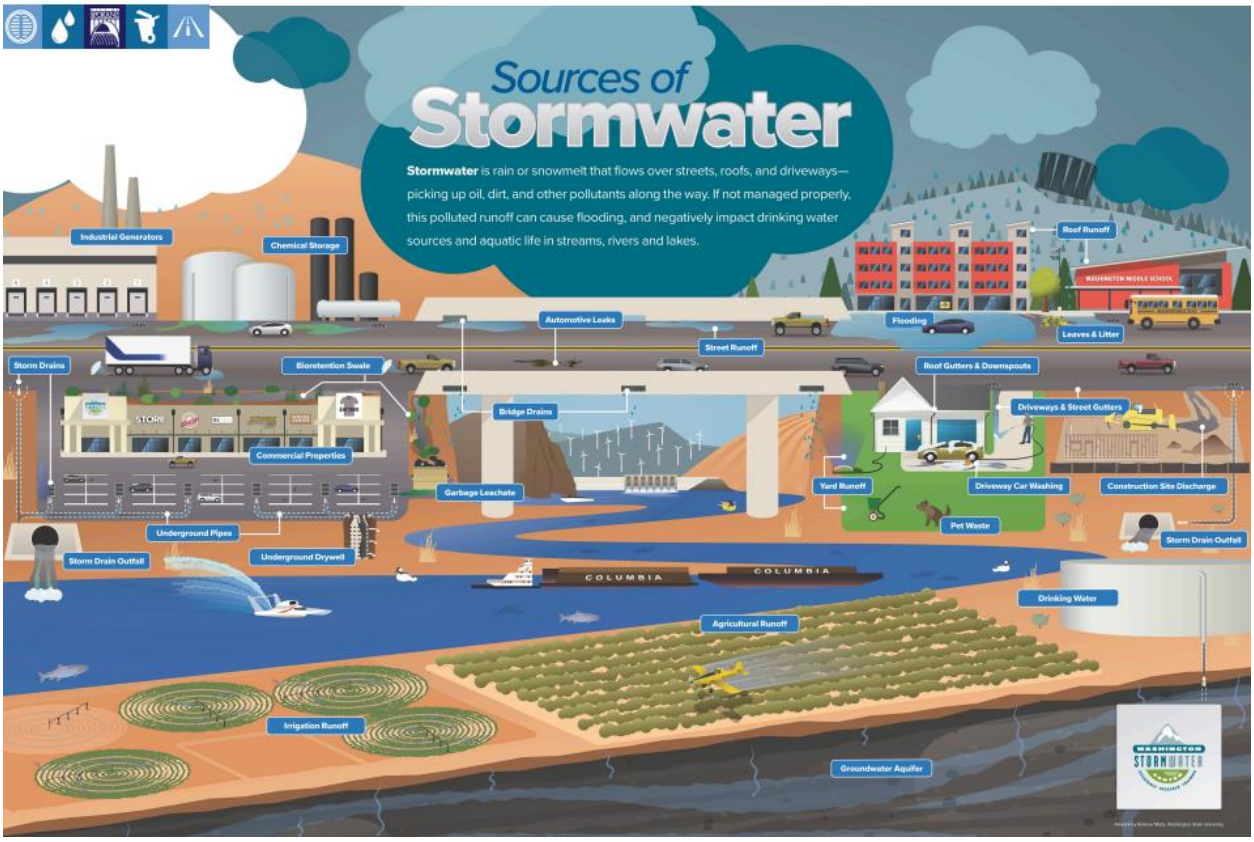
- Website- srhd.org- on our pollution prevention page, we have resources, industry-specific handouts, and information on how we can help. (Services | SRHD)
- We do face-to-face pollution prevention technical assistance visits to small quantity generators. During these visits, handouts are provided to the business that are sector-specific.
- Handouts provided during the visit include, but are not limited to:
    - Pollution prevention program, Ecology handouts, Stormwater good housekeeping practices, paint care, EnviroCertified brochure, light recycle, understanding the Spokane River, and any other sector-specific handouts, or handouts provided by the Stormwater jurisdiction, to include.
- Joint inspections with Stormwater partners are conducted when necessary, and follow up on any complaints that are referred to us.

Forest Park Court Apts	Kalico Kitchen
Village House LLC	Sunset House Apartments
Selkirk Lodge Apartments	Northridge Court
Fox Glen Apartments	Safeway Distribution Center
Edgewater Village	Riverfalls Tower Apartments
Cedar Green Apts	Altura Apartments
Somerset Meadows Apt	North Star Lodge Apartments
Five Mile Auto Center	Crystal House Apartments
Crepe Cafe Sisters	Sunset House Apartments
Hello Sugar	Northridge Court

Ruins	Copper River Apartments
Conoco	Riverfalls Tower Apartments
76	Forest Park
H&S	Brentwood Gardens
Reliable Charlie's /Automotive Specialiteis and Sales	Sundance Village HOA
Dusty's and Steve's Automotive	Lusitano Apartments
Saint Georges Middle/High School	Divine's Towing and Hauling
Saint Georges Elementary	Wilbert Precast
Saint George's Maintenance Facility	Sundance Village HOA
Quality Inn Oakwood	Selkirk Lodge Apartments
Madison Inn By Riversage	Lusitano Apartments
Oxford Suites	The Jake Apartments
Madision Inn By Riversage	Panera Bread
Altura Apartments	76
Copper River Apartments	AmeriMart
North Star Lodge Apartments	Wandermere Glen
Quality Inn Oakwood	Brentwood Gardens
Crystal House Apartments	Farwell North
Sunset House Apartments	Carl'sJr
Northridge Court	Jack in the Box
Safeway Distribution Center	Carl's Jr
Riverfalls Tower Apartments	Knightsbridge Apartments
Altura Apartments	Quadrangle I Apartments
North Star Lodge Apartments	Quadrangle II Apartments
Crystal House Apartments	Lyons Court
Sunset House Apartments	Rock Creek Apartments
Northridge Court	Mayfair Apartments
Copper River Apartments	Kalico Kitchen

Riverfalls Tower Apartments	Saint Georges Middle/High School
Forest Park	Saint George's Maintenance Facility
Brentwood Gardens	Carl's Jr
Sundance Village HOA	Jack in the Box
Lusitano Apartments	Carl's Jr
Divine's Towing and Hauling	Magnesium Village
Wilbert Precast	Hampton Inn
Sundance Village HOA	Downtown Motel
Selkirk Lodge Apartments	Atilano's Mexican Food
Lusitano Apartments	Indian Trail Service Center (Store)
The Jake Apartments	Indian Trail Service Center (Quick Lube)
Panera Bread	Yoke's Fresh Market
76	West Wynn Motel
AmeriMart	Motel 6
Wandermere Glen	Global Neighborhood Thrift
Brentwood Gardens	Mainstay Suites Spokane Airport
Farwell North	Baymont by Wyndham Spokane
Studio K	Mainstay Suites Spokane Airport

Attachment D.


Sources of
Stormwater
Stormwater is rain or snowmelt that flows over streets, roofs, and driveways—picking up oil, dirt, and other pollutants along the way. If not managed properly, this polluted runoff can cause flooding, and negatively impact drinking water sources and aquatic life in streams, rivers and lakes.
Industrial Generators
Chemical Storage
Roof Runoff
Automotive Leaks
Flooding
Leaves & Litter
Street Runoff
Storm Drains
Bioretention Swale
Roof Gutters & Downspouts
Bridge Drains
Driveways & Street Gutters
Commercial Properties
Yard Runoff
Driveway Car Washing
Construction Site Discharge
Garbage Leachate
Pet Waste
Underground Pipes
Storm Drain Outfall
Underground Drywell
Storm Drain Outfall
COLUMBIA
COLUMBIA
Drinking Water
Agricultural Runoff
Irrigation Runoff
Groundwater Aquifer
WASHINGTON STORMWATER

Proteja su taller de automóviles y las vías fluviales locales

El trabajo automotriz puede ser sucio. Manténgalo limpio con las siguientes prácticas:

Cubrir
- Cubra las áreas de almacenamiento al aire libre, incluidas piezas, contenedores y equipos
- Realizar todo el trabajo en interiores o bajo espacios cubiertos

Capturar
- Use bandejas de goteo para recolectar líquidos
- Realizar la recolección de fluidos en interiores

Limpiar
- Limpiar derrames inmediatamente
- Nunca use agua de la manguera para limpiar derrames
- Tenga almacenado y listo un kit de derrame y sepa cómo usarlo
- Barrer o aspirar para recoger los escombros de las operaciones diarias
- Limpie las fugas del vehículo con trapos u otros materiales absorbentes

Contener
- Recoja el agua de lavado y deséchela en alcantarillado sanitario o sistema de tratamiento (confirme los requisitos de eliminación con su ciudad / condado local)
- Áreas de lavado de vehículos y equipos en subcontención
- NO lave ni vierta agua de lavado en un desagüe pluvial
- Almacenar materiales y residuos peligrosos en contenedores con contención secundaria (en caso de derrame o daño en el contenedor)
- Cierre las tapas del contenedor de basura y del cubo de basura cuando no esté en uso

¿Qué son las aguas pluviales?

Agua de lluvia o nieve que puede recoger la contaminación y llevarla a las vías fluviales locales desde estacionamientos y carreteras a través de desagües pluviales o zanjas.

SOLO LLUVIA VA AL DESAGÜE PLUVIAL

Capacitación de empleados

- Ubicación de los desagües pluviales
- A dónde van las aguas pluviales una vez que salen de su espacio de trabajo
- Identificación de fuentes contaminantes

- Prevención y respuestas básicas ante un derrame
- Dónde encontrar kits de derrames en su espacio de trabajo
- Procedimientos de respuesta ante una emergencia

Education and Outreach Program

2. **Were elements of a regional program implemented to complete any part of your education and outreach program? (S5.B.1)**

    a. **If yes, list the elements and the regional program.**

- Spokane Regional Health District (SRHD) pollution prevention visits
- Eastern Washington and Southern Washington Education and Outreach Committee (EW&SW E&O) as well as Statewide E&O workgroups continued to collaborate and create educational content to distribute

Public Education and Outreach Activities

In-Person Education & Outreach				
Month, 2025	**Event**	**Location/ School**	**Audience**	**Attendees**
March	Adopt-a-Drain Presentation	In-Person & Virtual	Adults Across State	90
March	CSO26 Tour	CSO26	College Students	30
April	Earth Day	Central Library	All Ages	300
April	Arbor Day	Finch Arboretum	All Ages	200
May	Municon Stormwater Conference Presentation	Vancouver, WA	Adults	40
June	Manhole Art Contest Ed/Winner Announcement Assembly	Sacajawea Middle School	Students/Staff	1,000
June	Touch-a-Truck	Indian Trail Library	All Ages	150
June	Spokane Indians Game	Avista Stadium	All Ages	700
August	Children's Book Reading	Loof Carrousel	Children/Family	40
August	CSO Tour	CSO26	EWSG	15
August	River Clean-up	Redband Park	Adults	25
August	Touch-a-Truck	Hillyard Library	All Ages	200
August	Sewer Contest Dedication	Sacajawea	Adults	75
September	Touch-a-Truck	SCC	All Ages	600
September	Avista Swale Education x2	Scott Morris Center for Energy Innovation	Adults	30
October	Fall Leaf Festival	Finch Arboretum	All Ages	200
October	Swale Door-to-Door Education	Lincoln Street.	Homeowners	50
October	CSO Tour w/ Lumen School	CSO26	Students/Chaperones	40
Approximate Number of Attendees: **2331** *Approximate Number of Attendees:* **2331**				**3,785**

IDDE Event Reporting Schema

This XML file does not appear to have any style information associated with it. The document tree is shown below.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    <Notes>I talked to the Maintenance worker for NA Black, he will dispatch AAA cleanup to pump the
    manhole, and clean up the sewage in the parking lot, he will also talk with the restaurant
    manager about proper mantenance of the grease trap. I will be forwarding a message to our
    Pretreatment team at the Waste Treatment Facility to follow up with the resturant about
    maintenance and BMP's.</Notes>
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  <Notes>Upon arrival to above address, there were no signs of any sewage being dumped. However,
  there was a vehicle in front of RV that was being worked on with a large wet area under vehicle.
  Spoke to gentleman working on the vehicle. He stated that the transmission just blew out fluid. I
  left him with drysweep to clean the area, he stated that he would clean up area as soon as he
  could.</Notes>
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  <Notes>Servepro pumped raw sewage from a basement during a clean up from a residential customer
  into a City of Spokane storm sewer, fortunately the storm sewer in question flowed to a sanitary
  sewer and discharged to one of our CSO tanks and was routed to the Spokane Treatment Facility and
  did not spill to ground or enter the river system. I called and talked to Josh, the job site
  manager and informed him that his crews could not pump sewage into any of our systems without
  prior agreement, due to the hazards that could have happened if the storm sewer were to discharge
  to the river or a treatment swale. Josh advised me that he would relay this information to his
  crews and that it would not happen again. Due to the heavy rain that we had on the following
  weekend the storm line was cleaned and there was no evidence that the pumping occurred.</Notes>
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  <Notes>Received call from Raylene G. that someone was washing something RED into Catchbasin on
  the SW corner of Sprague & Ivory. When we arrived there was internal construction (remodeling) on
  going. Spoke with worker about what was being washed into catchbasin. He state that they were
  sanding the floor in building and what the vacuum didn’t get picked up they washed it outside.
  Informed him that is not allowed and that catch basin goes directly to a swale, and that he is to
  not do that again. We will send a Vac truck to clean the basin and surrounding area.</Notes>
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  </Traces>
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  <Notes>RESPONDED TO ERTZ 737619, UPON ARRIVAL TO RESTAURANT AT 0830 WE OBSERVED A TRAIL OF
  OIL/GREASE COMING FROM BACK DOOR TO THE STREET. IT DOES NOT APPEAR THAT THE OIL/GREASE MADE ITS
  WAY TO THE CATCHBASIN ON THE SW CORNER. FLOW WAS STOPPED BY LEAVES AND DEBRIS ON THE STREET. WE
  ATTEMPED TO MAKE CONTACT WITH THE BUSINESS, BUT THEY WERE NOT ONSITE YET. WE WILL ATTEMP TO SPEAK
  WITH MANAGER OR OWNER AFTER OPENING TIME. ON 3-19 ROB WRIGHT WENT TO ADDRESS AND SPOKE WITH THE
  OWNER. THEY HAD A STOCK POT HOLDING DOOR OPEN AND IT ACCIDENTLY GOT KNOCKED OVER AND SPILLED ALL
  OVER DOWN THE SIDEWALK AND DOWN THE STREET. THEY CLEANED UP WITH KITTY LITTER AND CLEANED THE
  GUTTER LINE AS BEST AS THEY COULD. ON 3-26-25 ROB BACON WENT TO VERIFY CLEAN UP. THEY DID AS GOOD
  A JOB AS THEY COULD.</Notes>
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  <Notes>Kris Reid was dispatched to 2508 E 29th ave., for sewage leaking from a manhole on private
  property, upon investigation it was determined to be a grease trap. Kris cleaned up the parking
  lot and swale area that the grease impacted.</Notes>
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<Explain>SIDE SEWER AT 428 E FAIRVIEW IS BACKING UP OUT OF CLEANOUT AND GOING TO NEIGHBORS PROPERTY</Explain>
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<Notes>RESPONDED TO CALL OF SEWAGE COMING OUT OF CLEAN OUT AT 428 E FAIRVIEW. SPOKE WITH TENANT AND SHE TOLD ME IT HAS BEEN BACKING UP FOR MONTHS. SHE GAVE ME THE HOMEOWNERS INFORMATION - ANDY LOUIE 509-216-6776. I SPOKE WITH ANDY AND INFORMED HIM OF THE SITUATION, HE SAID HE WOULD GO AND TAKE CARE OF. I THEN INFORMED HIM THAT HE WAS RESPONSIBLE FOR THE NEIGHBORS PROPERTY CLEAN UP AS WELL. ON 2/28/25 I WENT BACK BY TO SEE IF ISSUE WAS TAKEN CARE OF, IT WAS NOT. CALLED THE LANDLORD AGAIN AND TOLD HIM HE NEEDS TO FIX THE ISSUE ASAP. WHEN HE SHOWED UP HE A MECHANACLE SNAKE WITHH 100' OF CABLE. HE SAID HE WILL TAKE CARE OF ISSUE. 03-03-25 ROB WRIGHT & I WENT TO 428 E FAIRVIEW TO VERIFY THAT THE SIDE SEWER WAS RUNNING. IT SOUNDED LIKE IT WAS FLOWING AT THAT TIME. HOWEVER, THE MESS WAS NOT CLEANED UP ON THE GROUND. CALLED ANDY(OWNER) AND TOLD HIM TO CLEAN UP ASAP.</Notes>
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</Correction>

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    </Corrections>
    <Notes>Not known at this time</Notes>
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Storm Sewer
Outfall Summary

CITY OF SPOKANE™

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
90885800SN	WAR046505	47.618018	-117.361343	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
15202300ND	WAR046505	47.700641	-117.357134	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
9019000SN	WAR046505	47.619725	-117.353877	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
15201800ND	WAR046505	47.700271	-117.357346	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
05207500SN	WAR046505	47.681804	-117.450061	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
05207400SN	WAR046505	47.681465	-117.450945	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	Rock
15202000ND	WAR046505	47.700142	-117.357416	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
0716600ND	WAR046505	47.722047	-117.382211	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2259200SN	WAR046505	47.59963	-117.416607	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Corrugated Metal Pipe
2205300ND	WAR046505	47.609698	-117.427888	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
9007500SN	WAR046505	47.63332	-117.44055	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
01294300SN	WAR046505	47.737011	-117.453365	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01292800SN	WAR046505	47.737342	-117.453537	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
0131100ND	WAR046505	47.727528	-117.450818	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01237608SN	WAR046505	47.714111	-117.489371	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1215500ND	WAR046505	47.665889	-117.405441	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Ductile Iron Pipe
2211000SN	WAR046505	47.593934	-117.420998	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
01222800SN	WAR046505	47.715058	-117.489405	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01296100SN	WAR046505	47.737389	-117.453866	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90886108SN	WAR046505	47.617441	-117.362679	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0131600ND	WAR046505	47.728087	-117.45174	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
21100100ND	WAR046505	47.624791	-117.463369	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01293400SN	WAR046505	47.7367	-117.453838	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2001600ND	WAR046505	47.649368	-117.450117	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
01229900SN	WAR046505	47.727513	-117.439834	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
0124300ND	WAR046505	47.74942	-117.474907	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0131900ND	WAR046505	47.729378	-117.451516	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0123200ND	WAR046505	47.726147	-117.446009	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
0132500SN	WAR046505	47.743481	-117.478081	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
01293900SN	WAR046505	47.736642	-117.453644	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0716400ND	WAR046505	47.722196	-117.382454	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
79103100SN	WAR046505	47.642838	-117.540192	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01238408SN	WAR046505	47.7132	-117.49009	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0133000ND	WAR046505	47.724361	-117.438731	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
0118300ND	WAR046505	47.746111	-117.479207	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
2005100SN	WAR046505	47.648321	-117.443293	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
2208300SN	WAR046505	47.595502	-117.416226	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
01293200SN	WAR046505	47.737163	-117.454086	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01295500SN	WAR046505	47.737029	-117.454345	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
90885408SN	WAR046505	47.617673	-117.36089	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01218700ND	WAR046505	47.729451	-117.467704	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
0128300SN	WAR046505	47.731094	-117.445989	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
0131200ND	WAR046505	47.729162	-117.450327	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2205700SN	WAR046505	47.608343	-117.422044	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
2210400SN	WAR046505	47.591759	-117.429743	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
01294900SN	WAR046505	47.737183	-117.453165	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01223000SN	WAR046505	47.715054	-117.489447	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01222000SN	WAR046505	47.715097	-117.486264	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0131700ND	WAR046505	47.728582	-117.45177	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2205400ND	WAR046505	47.610183	-117.424216	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
01294700SN	WAR046505	47.736965	-117.453256	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
0132600ND	WAR046505	47.743073	-117.476459	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
0124000ND	WAR046505	47.734579	-117.481814	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	Corrugated Metal Pipe
01293800SN	WAR046505	47.737024	-117.45409	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0131300ND	WAR046505	47.729161	-117.450276	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90886208SN	WAR046505	47.617453	-117.362709	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
79108000SN	WAR046505	47.638476	-117.488606	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
01295300SN	WAR046505	47.737327	-117.45361	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0132000ND	WAR046505	47.729407	-117.452966	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0133100ND	WAR046505	47.724344	-117.438712	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
2005300ND	WAR046505	47.648871	-117.443367	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
0122500ND	WAR046505	47.72329	-117.447259	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Corrugated Metal Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
0128100SN	WAR046505	47.743698	-117.479588	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	Concrete Pipe
01293000SN	WAR046505	47.737356	-117.453822	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2211200SN	WAR046505	47.593971	-117.421453	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
01238500SN	WAR046505	47.713201	-117.490023	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0519000ND	WAR046505	47.681378	-117.453713	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
0711100ND	WAR046505	47.725822	-117.387642	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90199200SN	WAR046505	47.610216	-117.357552	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
01237708SN	WAR046505	47.714112	-117.489415	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1215300ND	WAR046505	47.664886	-117.403341	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	Ductile Iron Pipe
0128500SN	WAR046505	47.731084	-117.446001	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
0716500ND	WAR046505	47.722201	-117.382254	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01220300SN	WAR046505	47.72716	-117.439848	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2004400SN	WAR046505	47.648535	-117.45737	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
0118400ND	WAR046505	47.746874	-117.47863	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	42	inches	Concrete Pipe
01222200SN	WAR046505	47.715036	-117.486511	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0131800ND	WAR046505	47.729386	-117.451516	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0123100ND	WAR046505	47.726183	-117.44596	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
01294100SN	WAR046505	47.736813	-117.45364	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0131500ND	WAR046505	47.729418	-117.450387	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
22125600SN	WAR046505	47.601529	-117.412287	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
01293600SN	WAR046505	47.73682	-117.453833	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01294500SN	WAR046505	47.737015	-117.453231	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0130500ND	WAR046505	47.744067	-117.43647	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
01295100SN	WAR046505	47.737145	-117.453317	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0132100ND	WAR046505	47.729402	-117.452977	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
90885508SN	WAR046505	47.617673	-117.360858	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0129000ND	WAR046505	47.740126	-117.485573	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2205200ND	WAR046505	47.60979	-117.427675	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
9023600ND	WAR046505	47.627508	-117.440386	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
90886008SN	WAR046505	47.617433	-117.362648	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0131400ND	WAR046505	47.729132	-117.450326	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
9021300SN	WAR046505	47.633791	-117.363997	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
0132900ND	WAR046505	47.724378	-117.438723	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
0128700SN	WAR046505	47.731074	-117.446011	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
2300300ND	WAR046505	47.673557	-117.461446	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
07169400SN	WAR046505	47.709538	-117.364897	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90583800SN	WAR046505	47.619998	-117.354861	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
2201300ND	WAR046505	47.594411	-117.418386	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
01221100SN	WAR046505	47.727034	-117.441852	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
22121000SN	WAR046505	47.587676	-117.421624	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01289000SN	WAR046505	47.736534	-117.4834	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0401600ND	WAR046505	47.690365	-117.466194	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
9004100SN	WAR046505	47.644654	-117.457385	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Vitrified Clay Pipe
2202900ND	WAR046505	47.609558	-117.431205	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
01896412SN	WAR046505	47.727739	-117.469347	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
01225900SN	WAR046505	47.735588	-117.448866	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
13902700SN	WAR046505	47.663307	-117.384083	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
22116800SN	WAR046505	47.591727	-117.421609	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
2201000ND	WAR046505	47.595032	-117.417039	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
2201600ND	WAR046505	47.591559	-117.413124	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
15106000SN	WAR046505	47.698095	-117.346553	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
22102624SN	WAR046505	47.59129	-117.426741	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
0133200SN	WAR046505	47.724487	-117.440917	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2206800ND	WAR046505	47.595417	-117.420668	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
1003000ND	WAR046505	47.669618	-117.460193	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Corrugated Metal Pipe
2247200SN	WAR046505	47.605016	-117.423149	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
2204600ND	WAR046505	47.594234	-117.420824	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
13997100SN	WAR046505	47.662007	-117.380113	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
1501100ND	WAR046505	47.679167	-117.374545	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Steel Pipe
01231700SN	WAR046505	47.737011	-117.437697	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
1400100ND	WAR046505	47.672329	-117.387889	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	21	inches	Ductile Iron Pipe
0121100ND	WAR046505	47.732315	-117.452966	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
15111000SN	WAR046505	47.697438	-117.343753	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
13166400SN	WAR046505	47.669832	-117.398253	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
05182908SN	WAR046505	47.68902	-117.426897	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01225500ND	WAR046505	47.733662	-117.443473	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2204700ND	WAR046505	47.594263	-117.419529	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
19999100SN	WAR046505	47.660819	-117.440256	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Steel Pipe
1301100ND	WAR046505	47.665296	-117.392313	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Reinforced Concrete Pipe
1902800ND	WAR046505	47.6597	-117.438858	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
79102700SN	WAR046505	47.641309	-117.549466	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0133400ND	WAR046505	47.75714	-117.481679	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	High Density Polyethyline Pipe
90541312SN	WAR046505	47.667224	-117.357428	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
07172100SN	WAR046505	47.71523	-117.36404	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1109200ND	WAR046505	47.660599	-117.417909	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
13165900SN	WAR046505	47.669322	-117.398057	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
2251900SN	WAR046505	47.603338	-117.423253	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
05181800SN	WAR046505	47.688868	-117.426486	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0116700ND	WAR046505	47.744258	-117.481865	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	--
1800100ND	WAR046505	47.667477	-117.389604	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	Reinforced Concrete Pipe
2301800ND	WAR046505	47.671598	-117.463997	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
1977824SN	WAR046505	47.659853	-117.435761	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Ductile Iron Pipe
01259000SN	WAR046505	47.737144	-117.48258	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
22105412SN	WAR046505	47.589363	-117.426251	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2213400ND	WAR046505	47.597685	-117.428924	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
19100018SN	WAR046505	47.661685	-117.432859	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
0251600SN	WAR046505	47.706056	-117.466496	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01234200SN	WAR046505	47.737584	-117.439649	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
13165400SN	WAR046505	47.669732	-117.398031	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13906200SN	WAR046505	47.659393	-117.374977	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13159200SN	WAR046505	47.661636	-117.396028	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13153900SN	WAR046505	47.660892	-117.390493	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
2301400ND	WAR046505	47.670678	-117.462855	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
0252200SN	WAR046505	47.706175	-117.466408	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
2200700ND	WAR046505	47.595982	-117.415741	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
05183500SN	WAR046505	47.690218	-117.426637	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
13904700ND	WAR046505	47.664046	-117.367971	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9019100ND	WAR046505	47.678336	-117.336158	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	27	inches	Reinforced Concrete Pipe
0717100ND	WAR046505	47.729065	-117.379369	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
01311800SN	WAR046505	47.757801	-117.479027	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Reinforced Concrete Pipe
2300400ND	WAR046505	47.670841	-117.471121	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0117300ND	WAR046505	47.740686	-117.485964	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
90498600SN	WAR046505	47.641459	-117.458896	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
90602500SN	WAR046505	47.675602	-117.343216	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90513308SN	WAR046505	47.615806	-117.360966	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2316200ND	WAR046505	47.679424	-117.453509	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
2206400ND	WAR046505	47.587974	-117.413294	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	21	inches	--
0125000ND	WAR046505	47.753493	-117.482562	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0124200ND	WAR046505	47.74868	-117.475251	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
9020000SN	WAR046505	47.615495	-117.365539	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	21	inches	Corrugated Metal Pipe
05206800SN	WAR046505	47.681855	-117.449921	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
05172300SN	WAR046505	47.680828	-117.451025	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
1300200ND	WAR046505	47.663172	-117.393215	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
2006400ND	WAR046505	47.64346	-117.43749	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
05173200SN	WAR046505	47.680847	-117.450935	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13907708SN	WAR046505	47.661255	-117.37468	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
22115400SN	WAR046505	47.588914	-117.422564	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1956800SN	WAR046505	47.6582	-117.438585	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
2208800ND	WAR046505	47.593978	-117.423492	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
90609400SN	WAR046505	47.640607	-117.462624	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
22127300SN	WAR046505	47.602054	-117.412765	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0251700SN	WAR046505	47.708114	-117.468603	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
13167400SN	WAR046505	47.66924	-117.398067	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
90997812SN	WAR046505	47.644203	-117.451156	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
01223400SN	WAR046505	47.725031	-117.437548	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
19105000SN	WAR046505	47.658314	-117.437845	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
1067500SN	WAR046505	47.672358	-117.442623	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
19995836SN	WAR046505	47.661204	-117.445106	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
0133500ND	WAR046505	47.753459	-117.481585	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
13144900SN	WAR046505	47.66168	-117.389053	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2207900ND	WAR046505	47.597548	-117.418351	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
0100200ND	WAR046505	47.722154	-117.481169	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
19333800SN	WAR046505	47.658683	-117.449139	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
22110208SN	WAR046505	47.588891	-117.422608	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90599000SN	WAR046505	47.640453	-117.474708	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1501700ND	WAR046505	47.679214	-117.365263	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
2006100ND	WAR046505	47.645808	-117.447643	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Steel Pipe
0121900ND	WAR046505	47.721289	-117.449504	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0118600ND	WAR046505	47.753001	-117.483324	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0129900ND	WAR046505	47.738865	-117.435911	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0100400ND	WAR046505	47.719953	-117.443002	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
05170000SN	WAR046505	47.675505	-117.445036	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
90527112SN	WAR046505	47.594987	-117.396805	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
0131000ND	WAR046505	47.726548	-117.45	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01288600SN	WAR046505	47.734728	-117.478913	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
1000300SN	WAR046505	47.667717	-117.458066	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
90887108SN	WAR046505	47.666908	-117.346675	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2211400ND	WAR046505	47.606258	-117.424958	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	High Density Polyethyline Pipe
0125500ND	WAR046505	47.726535	-117.432486	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
06294300ND	WAR046505	47.687649	-117.410141	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2325418SN	WAR046505	47.671738	-117.475584	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
15200000SN	WAR046505	47.700787	-117.357945	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
2240400SN	WAR046505	47.604466	-117.429059	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
1700100ND	WAR046505	47.676309	-117.349199	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
90602600SN	WAR046505	47.641694	-117.469247	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
90569000SN	WAR046505	47.613557	-117.34688	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0117000ND	WAR046505	47.739452	-117.485099	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
90881808SN	WAR046505	47.66645	-117.346677	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90598600SN	WAR046505	47.642264	-117.467811	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
19109618SN	WAR046505	47.660715	-117.448675	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
01238808SN	WAR046505	47.712277	-117.490101	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
21120700SN	WAR046505	47.587497	-117.421673	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1601100ND	WAR046505	47.676522	-117.357443	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
13145600SN	WAR046505	47.661803	-117.390445	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0129600ND	WAR046505	47.733305	-117.43593	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	--
1400400ND	WAR046505	47.677052	-117.381398	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Steel Pipe
13116512SN	WAR046505	47.657764	-117.410714	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
9022300ND	WAR046505	47.657033	-117.464705	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
01289600SN	WAR046505	47.749955	-117.475288	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90591000SN	WAR046505	47.65344	-117.349901	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0502400ND	WAR046505	47.688368	-117.435588	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
9003300ND	WAR046505	47.641404	-117.460556	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	--
01326600SN	WAR046505	47.734836	-117.47822	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
19995200SN	WAR046505	47.661612	-117.445631	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
90997108SN	WAR046505	47.617136	-117.362937	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
15108000SN	WAR046505	47.69755	-117.343684	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1109100ND	WAR046505	47.661183	-117.409921	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
2319400SN	WAR046505	47.678529	-117.453811	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1800200ND	WAR046505	47.671618	-117.387018	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Steel Pipe
2244300SN	WAR046505	47.602398	-117.428104	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
13905400SN	WAR046505	47.662012	-117.379417	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01325100SN	WAR046505	47.7382	-117.444303	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
22102324SN	WAR046505	47.589369	-117.426356	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
2212800ND	WAR046505	47.597881	-117.424645	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1600200ND	WAR046505	47.678063	-117.362062	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
90598200SN	WAR046505	47.643802	-117.465184	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
0519500SN	WAR046505	47.680984	-117.451044	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
2209100ND	WAR046505	47.593304	-117.425884	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
15112500SN	WAR046505	47.699083	-117.343896	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2203300ND	WAR046505	47.607531	-117.425922	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2212700ND	WAR046505	47.597746	-117.424903	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
0505200SN	WAR046505	47.683338	-117.449235	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1300900ND	WAR046505	47.662071	-117.400496	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	48	inches	Concrete Pipe
9005100ND	WAR046505	47.647592	-117.469781	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
13900800SN	WAR046505	47.66434	-117.381322	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2206200ND	WAR046505	47.590375	-117.411898	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	--
15111500SN	WAR046505	47.698739	-117.3439	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2206000ND	WAR046505	47.611461	-117.429771	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90529000SN	WAR046505	47.66297	-117.354826	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2212200ND	WAR046505	47.596378	-117.429943	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2204400ND	WAR046505	47.5939	-117.421017	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
9003936ND	WAR046505	47.644432	-117.458882	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
22199512SN	WAR046505	47.596926	-117.421633	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90596816SN	WAR046505	47.630932	-117.429794	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe
90511100SN	WAR046505	47.669072	-117.360922	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
0122300SN	WAR046505	47.724057	-117.44718	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
2260500SN	WAR046505	47.598344	-117.419463	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
90529612SN	WAR046505	47.663585	-117.357203	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
15110300SN	WAR046505	47.697442	-117.343736	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90540612SN	WAR046505	47.666625	-117.357404	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
13165700SN	WAR046505	47.669601	-117.397859	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2001100ND	WAR046505	47.645833	-117.447234	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Vitrified Clay Pipe
11158908SN	WAR046505	47.6716	-117.414416	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
19995400SN	WAR046505	47.660689	-117.44641	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
2206500ND	WAR046505	47.588358	-117.411908	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
0902000ND	WAR046505	47.662479	-117.42453	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Concrete Pipe
19101600SN	WAR046505	47.659892	-117.437676	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
1999018SN	WAR046505	47.661069	-117.440112	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
0128000ND	WAR046505	47.734995	-117.449152	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Polyvinylchloride Pipe (PVC)
01279700SN	WAR046505	47.741921	-117.476833	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1200200ND	WAR046505	47.66563	-117.407111	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Corrugated Metal Pipe
22118200SN	WAR046505	47.59096	-117.418721	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1002600SN	WAR046505	47.66866	-117.459341	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Vitrified Clay Pipe
19102900SN	WAR046505	47.658545	-117.439205	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
1500600ND	WAR046505	47.673774	-117.385289	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Steel Pipe
90530000SN	WAR046505	47.663865	-117.356279	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
2205100ND	WAR046505	47.6005	-117.411957	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2200100ND	WAR046505	47.591129	-117.413083	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	21	inches	--
01325600SN	WAR046505	47.737157	-117.444997	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1903900SN	WAR046505	47.657078	-117.450961	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
13901400ND	WAR046505	47.66262	-117.38881	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
13130900SN	WAR046505	47.658529	-117.394572	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13154200SN	WAR046505	47.660855	-117.390394	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2209500ND	WAR046505	47.591747	-117.428239	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
22121300SN	WAR046505	47.587683	-117.421407	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
90589400SN	WAR046505	47.620748	-117.354181	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
05182600SN	WAR046505	47.689067	-117.427002	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0121800ND	WAR046505	47.721236	-117.449633	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90621500SN	WAR046505	47.638902	-117.407539	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Corrugated Metal Pipe
10100100SN	WAR046505	47.676883	-117.431246	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13132200SN	WAR046505	47.657812	-117.394515	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0119100ND	WAR046505	47.740698	-117.490108	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
2200800ND	WAR046505	47.596085	-117.4161	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
90994408SN	WAR046505	47.642746	-117.450348	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0519300ND	WAR046505	47.681514	-117.452561	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Concrete Pipe
2260200SN	WAR046505	47.598495	-117.419231	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
13165600SN	WAR046505	47.669616	-117.398455	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2212400ND	WAR046505	47.597802	-117.424938	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
01308100SN	WAR046505	47.757034	-117.477422	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
0101900ND	WAR046505	47.729064	-117.468203	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1998112SN	WAR046505	47.661801	-117.436009	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	High Density Polyethyline Pipe
13159108SN	WAR046505	47.661642	-117.395522	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2316300SN	WAR046505	47.678349	-117.454712	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
1067000SN	WAR046505	47.673881	-117.443987	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2201100ND	WAR046505	47.594715	-117.418479	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
13149300SN	WAR046505	47.65308	-117.388599	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0502500SN	WAR046505	47.680466	-117.452155	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
0901200SN	WAR046505	47.662098	-117.423595	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Concrete Pipe
9005000ND	WAR046505	47.621511	-117.352362	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Corrugated Metal Pipe
15201000SN	WAR046505	47.70073	-117.35801	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
90527908SN	WAR046505	47.662716	-117.355731	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2254100SN	WAR046505	47.603274	-117.422954	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
13997500SN	WAR046505	47.66201	-117.379908	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0900900SN	WAR046505	47.662185	-117.42519	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90615600SN	WAR046505	47.6112	-117.372918	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
90591400SN	WAR046505	47.61119	-117.373681	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	4	inches	Ductile Iron Pipe
0124100ND	WAR046505	47.748617	-117.474772	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
90545208SN	WAR046505	47.665739	-117.346252	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90591700SN	WAR046505	47.594664	-117.400868	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Corrugated Metal Pipe
2213500ND	WAR046505	47.59771	-117.428789	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
1575100SN	WAR046505	47.678761	-117.370834	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13166500SN	WAR046505	47.669812	-117.398046	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2201400ND	WAR046505	47.59451	-117.418057	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
01231900SN	WAR046505	47.73706	-117.438111	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
11100400SN	WAR046505	47.665094	-117.416556	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
2301900ND	WAR046505	47.670444	-117.465404	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe
9018700ND	WAR046505	47.631833	-117.366797	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Concrete Pipe
0109600ND	WAR046505	47.722142	-117.480963	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Ductile Iron Pipe
01220500SN	WAR046505	47.732867	-117.4465	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
0126100ND	WAR046505	47.735668	-117.434921	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
1982000SN	WAR046505	47.657666	-117.449707	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0116900ND	WAR046505	47.738997	-117.484766	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
05182200SN	WAR046505	47.688797	-117.426896	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01225700ND	WAR046505	47.733666	-117.443397	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01296300SN	WAR046505	47.733637	-117.438393	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
01270700SN	WAR046505	47.73762	-117.439598	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2005600ND	WAR046505	47.64881	-117.446282	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
0119600ND	WAR046505	47.741543	-117.428381	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	--
13166100SN	WAR046505	47.669456	-117.39858	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
9003000ND	WAR046505	47.639685	-117.464015	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	--
2240100SN	WAR046505	47.604586	-117.428912	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01223200SN	WAR046505	47.723307	-117.436179	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	4	inches	Polyvinylchloride Pipe (PVC)
2203000ND	WAR046505	47.608528	-117.430102	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
07171900SN	WAR046505	47.715188	-117.363842	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9023100ND	WAR046505	47.639627	-117.440378	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	4	inches	--
13906100ND	WAR046505	47.663317	-117.374796	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0124900ND	WAR046505	47.724388	-117.435619	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2000600ND	WAR046505	47.644396	-117.451853	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Corrugated Metal Pipe
05206400SN	WAR046505	47.681584	-117.450884	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
2301000ND	WAR046505	47.666327	-117.466743	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
0124700ND	WAR046505	47.725464	-117.437452	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0126400ND	WAR046505	47.744462	-117.496812	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
2211800ND	WAR046505	47.592806	-117.427844	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
13167000ND	WAR046505	47.658133	-117.405302	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90590800SN	WAR046505	47.654678	-117.35006	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9020800ND	WAR046505	47.640321	-117.443082	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Vitrified Clay Pipe
90569200SN	WAR046505	47.613385	-117.346714	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90886618SN	WAR046505	47.617104	-117.362901	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
9000500ND	WAR046505	47.657017	-117.46436	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
1902900ND	WAR046505	47.659415	-117.442568	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

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05179600SN	WAR046505	47.683247	-117.446734	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
90568600SN	WAR046505	47.612882	-117.346606	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2242300SN	WAR046505	47.602416	-117.428292	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
9022600ND	WAR046505	47.639055	-117.440376	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	4	inches	Concrete Pipe
9000800ND	WAR046505	47.637394	-117.438045	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Vitrified Clay Pipe
0115808ND	WAR046505	47.731052	-117.445978	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01259300SN	WAR046505	47.742015	-117.476354	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1503000ND	WAR046505	47.678918	-117.364673	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
2258900SN	WAR046505	47.598609	-117.415588	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
9023200ND	WAR046505	47.631732	-117.366928	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	--
0124800ND	WAR046505	47.725545	-117.435219	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
05173900SN	WAR046505	47.680822	-117.451595	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
22100600ND	WAR046505	47.594217	-117.421458	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90199600ND	WAR046505	47.610319	-117.356929	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
13158200SN	WAR046505	47.661757	-117.394631	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2300700ND	WAR046505	47.670238	-117.468401	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90995308SN	WAR046505	47.643019	-117.453524	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1306600ND	WAR046505	47.661693	-117.398909	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	--
2262600SN	WAR046505	47.592353	-117.437213	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	Polyvinylchloride Pipe (PVC)
1600100ND	WAR046505	47.677982	-117.363414	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	20	inches	Reinforced Concrete Pipe
9003500ND	WAR046505	47.641382	-117.457755	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Concrete Pipe
0717000ND	WAR046505	47.722324	-117.379203	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90598000SN	WAR046505	47.644377	-117.463806	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
15112000SN	WAR046505	47.699653	-117.343864	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
13904900ND	WAR046505	47.664174	-117.367659	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0117100ND	WAR046505	47.73961	-117.4852	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
2211900ND	WAR046505	47.593013	-117.427507	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
79103600SN	WAR046505	47.642752	-117.540032	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1581000SN	WAR046505	47.715414	-117.360691	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1600400ND	WAR046505	47.676709	-117.35242	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Steel Pipe
22126100SN	WAR046505	47.60152	-117.41337	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
05172900IN	WAR046505	47.680827	-117.451257	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0400100ND	WAR046505	47.690588	-117.46667	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	--
90541808SN	WAR046505	47.667645	-117.357693	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1600800ND	WAR046505	47.67863	-117.363876	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
05170600SN	WAR046505	47.675939	-117.445283	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
2000500ND	WAR046505	47.644472	-117.451615	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	--
9004500ND	WAR046505	47.615923	-117.353572	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2302600ND	WAR046505	47.668612	-117.465879	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe
2303800ND	WAR046505	47.672784	-117.464381	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
2208900ND	WAR046505	47.593979	-117.424546	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
22128400ND	WAR046505	47.608232	-117.42895	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	High Density Polyethyline Pipe
13158400SN	WAR046505	47.661647	-117.395317	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90529108SN	WAR046505	47.662743	-117.354553	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0121000ND	WAR046505	47.732831	-117.446655	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90609700SN	WAR046505	47.609399	-117.351053	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Concrete Pipe
90599300SN	WAR046505	47.640501	-117.475381	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Corrugated Metal Pipe
13130800SN	WAR046505	47.658554	-117.394907	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01288100SN	WAR046505	47.734837	-117.478233	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
1500400SN	WAR046505	47.67834	-117.37699	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Steel Pipe
22108318SN	WAR046505	47.590866	-117.424273	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
2006200ND	WAR046505	47.645728	-117.447632	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Steel Pipe
19334000SN	WAR046505	47.658336	-117.448791	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13123100SN	WAR046505	47.655534	-117.39196	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
20145200SN	WAR046505	47.645468	-117.425504	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01290200SN	WAR046505	47.748677	-117.474651	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0100500ND	WAR046505	47.723817	-117.477273	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	21	inches	Reinforced Concrete Pipe
1500200ND	WAR046505	47.679501	-117.366756	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	--
2200400ND	WAR046505	47.597994	-117.414326	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
0118900ND	WAR046505	47.723695	-117.435012	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90992408SN	WAR046505	47.641968	-117.450393	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90548010SN	WAR046505	47.668651	-117.345907	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

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90598400SN	WAR046505	47.642765	-117.467555	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2212500ND	WAR046505	47.596477	-117.424672	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
13131800SN	WAR046505	47.657752	-117.394663	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0716900SN	WAR046505	47.722209	-117.379219	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
01258600SN	WAR046505	47.742135	-117.476724	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0802000ND	WAR046505	47.717266	-117.434762	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	48	inches	Reinforced Concrete Pipe
22118800SN	WAR046505	47.590981	-117.418613	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2300500ND	WAR046505	47.670769	-117.470943	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
0118500SN	WAR046505	47.725831	-117.440938	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
22541300SN	WAR046505	47.599765	-117.420952	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1101900ND	WAR046505	47.663031	-117.41176	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Concrete Pipe
90603000SN	WAR046505	47.640464	-117.473569	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0118700ND	WAR046505	47.752909	-117.483004	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
0711300ND	WAR046505	47.72555	-117.395097	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
13145400SN	WAR046505	47.661505	-117.390145	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13132400SN	WAR046505	47.657877	-117.394501	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
19334200SN	WAR046505	47.658802	-117.448061	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01250800SN	WAR046505	47.737479	-117.481362	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
22126000SN	WAR046505	47.601504	-117.41337	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
13905700SN	WAR046505	47.661845	-117.379634	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0123600ND	WAR046505	47.737649	-117.483818	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
01318400SN	WAR046505	47.735863	-117.442448	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
19996418SN	WAR046505	47.661043	-117.442648	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
9000700ND	WAR046505	47.643673	-117.467295	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Concrete Pipe
2213700ND	WAR046505	47.601015	-117.428656	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
2206600ND	WAR046505	47.593847	-117.420991	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01259100SN	WAR046505	47.742032	-117.476373	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
4300400ND	WAR046505	47.659201	-117.439753	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Concrete Pipe
0126300ND	WAR046505	47.743157	-117.49683	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
0130400ND	WAR046505	47.742062	-117.436197	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe
900708SN	WAR046505	47.647592	-117.457932	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

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01301400SN	WAR046505	47.718544	-117.493957	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
79104700SN	WAR046505	47.644244	-117.53961	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0717200ND	WAR046505	47.729241	-117.379811	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0116008ND	WAR046505	47.71957	-117.478955	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2211600ND	WAR046505	47.59291	-117.427756	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
9023300ND	WAR046505	47.617756	-117.350781	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Corrugated Metal Pipe
2204500ND	WAR046505	47.593925	-117.421349	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
2206300ND	WAR046505	47.591132	-117.413051	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
13997300SN	WAR046505	47.662009	-117.379999	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2302000ND	WAR046505	47.670514	-117.465408	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
05205400SN	WAR046505	47.683105	-117.448046	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
05204600SN	WAR046505	47.682923	-117.448212	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Ductile Iron Pipe
22110515SN	WAR046505	47.58876	-117.422758	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
2246900SN	WAR046505	47.605213	-117.423062	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1109330ND	WAR046505	47.663825	-117.418372	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	--
1998412SN	WAR046505	47.661704	-117.433478	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2303900ND	WAR046505	47.672751	-117.464498	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	14	inches	Ductile Iron Pipe
22541700SN	WAR046505	47.599635	-117.42109	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
19999212SN	WAR046505	47.661653	-117.432787	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0516900SN	WAR046505	47.681071	-117.45157	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
9011900ND	WAR046505	47.614753	-117.368314	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
90609208SN	WAR046505	47.637755	-117.422631	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0716800ND	WAR046505	47.721077	-117.378068	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
13165800SN	WAR046505	47.669442	-117.397751	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
1300300ND	WAR046505	47.661694	-117.400126	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Ductile Iron Pipe
2200600ND	WAR046505	47.597029	-117.415445	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
9004400ND	WAR046505	47.643975	-117.462007	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
9003700ND	WAR046505	47.644157	-117.460518	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Vitrified Clay Pipe
10100200SN	WAR046505	47.67687	-117.431329	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
22126900SN	WAR046505	47.600936	-117.412228	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0122400SN	WAR046505	47.723727	-117.447121	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
20199406SN	WAR046505	47.647528	-117.443264	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
0124600ND	WAR046505	47.723672	-117.435972	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
05182000SN	WAR046505	47.688798	-117.426878	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1951012SN	WAR046505	47.657965	-117.449373	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
1998912SN	WAR046505	47.661083	-117.440084	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
2205000ND	WAR046505	47.596737	-117.415933	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
1500100ND	WAR046505	47.678559	-117.36532	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	21	inches	Corrugated Metal Pipe
1000100ND	WAR046505	47.664551	-117.420509	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Concrete Pipe
11159008SN	WAR046505	47.670795	-117.414516	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
05178900SN	WAR046505	47.683371	-117.449006	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9023500ND	WAR046505	47.628236	-117.440425	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2213300ND	WAR046505	47.597422	-117.428974	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
22103415SN	WAR046505	47.591812	-117.427599	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
13165300SN	WAR046505	47.669729	-117.398261	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
11100100SN	WAR046505	47.665091	-117.416857	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
13901600ND	WAR046505	47.662975	-117.388818	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01252400SN	WAR046505	47.737255	-117.481233	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	36	inches	Polyvinylchloride Pipe (PVC)
2200900ND	WAR046505	47.595358	-117.417071	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
0252100SN	WAR046505	47.708022	-117.468626	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0117900ND	WAR046505	47.731087	-117.445939	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
01325300SN	WAR046505	47.737766	-117.4443	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0130200ND	WAR046505	47.740441	-117.43624	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	14	inches	Ductile Iron Pipe
04101000SN	WAR046505	47.684193	-117.474719	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	Ductile Iron Pipe
2301700ND	WAR046505	47.67171	-117.463787	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
2209400ND	WAR046505	47.592045	-117.428424	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
1955300SN	WAR046505	47.660393	-117.442339	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1902700ND	WAR046505	47.660906	-117.435413	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Concrete Pipe
01896712SN	WAR046505	47.727517	-117.469026	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0901000ND	WAR046505	47.663966	-117.423632	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Vitrified Clay Pipe
2242600SN	WAR046505	47.602373	-117.428271	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
2001200ND	WAR046505	47.650252	-117.448699	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	20	inches	--

City of Spokane Storm Sewer Outfall Information

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2201200ND	WAR046505	47.594421	-117.418468	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
90545318SN	WAR046505	47.665667	-117.346462	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
01297400SN	WAR046505	47.733659	-117.438245	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0122100ND	WAR046505	47.724823	-117.447493	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
22115700SN	WAR046505	47.588886	-117.422472	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
1579500SN	WAR046505	47.679004	-117.368555	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
01272600SN	WAR046505	47.730193	-117.474484	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Ductile Iron Pipe
19102600SN	WAR046505	47.658785	-117.439183	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0125100ND	WAR046505	47.751969	-117.480058	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
90548308SN	WAR046505	47.668631	-117.346108	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
2300900ND	WAR046505	47.666054	-117.466332	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Corrugated Metal Pipe
0117200ND	WAR046505	47.740202	-117.485633	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
2254400SN	WAR046505	47.603053	-117.422841	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
22119100SN	WAR046505	47.590844	-117.418302	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
1300100ND	WAR046505	47.663745	-117.40703	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
01223600SN	WAR046505	47.725321	-117.437878	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90199700ND	WAR046505	47.609949	-117.357167	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
13166000SN	WAR046505	47.669452	-117.398452	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
2208700ND	WAR046505	47.594302	-117.4229	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
2212900ND	WAR046505	47.597922	-117.424602	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
20141000SN	WAR046505	47.640978	-117.424012	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2252300SN	WAR046505	47.607451	-117.423715	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	High Density Polyethyline Pipe
13140500SN	WAR046505	47.654742	-117.390592	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	30	inches	Polyvinylchloride Pipe (PVC)
05207100SN	WAR046505	47.682106	-117.449421	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
9021200ND	WAR046505	47.633829	-117.363691	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
9024000ND	WAR046505	47.630182	-117.378141	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Corrugated Metal Pipe
13144400SN	WAR046505	47.661559	-117.389389	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2319600ND	WAR046505	47.669791	-117.471938	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
05170300SN	WAR046505	47.675782	-117.445189	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0611900SN	WAR046505	47.682766	-117.403141	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0100300ND	WAR046505	47.720604	-117.442498	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--

City of Spokane Storm Sewer Outfall Information

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06280800SN	WAR046505	47.729388	-117.412916	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
1301000ND	WAR046505	47.667214	-117.390979	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Steel Pipe
1306500ND	WAR046505	47.661682	-117.401755	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
90199500ND	WAR046505	47.610332	-117.356945	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
13166800ND	WAR046505	47.669449	-117.398572	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
0116800ND	WAR046505	47.738373	-117.484337	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
1000200SN	WAR046505	47.667872	-117.458042	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Corrugated Metal Pipe
90881508SN	WAR046505	47.665995	-117.346683	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
19333600SN	WAR046505	47.657553	-117.449994	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
0123400ND	WAR046505	47.735383	-117.44558	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90887700SN	WAR046505	47.668226	-117.346686	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13907408SN	WAR046505	47.661232	-117.374678	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1600300ND	WAR046505	47.678215	-117.362716	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
01232400SN	WAR046505	47.737583	-117.439001	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
9099508SN	WAR046505	47.641067	-117.442538	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90546108SN	WAR046505	47.668585	-117.346426	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
0117700ND	WAR046505	47.729604	-117.443626	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
9001000ND	WAR046505	47.639259	-117.440636	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
1400300ND	WAR046505	47.676795	-117.382372	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Steel Pipe
2000700ND	WAR046505	47.643718	-117.445567	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
2302500ND	WAR046505	47.668659	-117.465859	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
9003400ND	WAR046505	47.641483	-117.45897	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
07171400SN	WAR046505	47.722224	-117.379159	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9003200ND	WAR046505	47.640923	-117.46215	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	--
19995300SN	WAR046505	47.66168	-117.445535	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
1977612SN	WAR046505	47.659797	-117.433604	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
01238608SN	WAR046505	47.712273	-117.490023	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2211700ND	WAR046505	47.592877	-117.427829	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Polyvinylchloride Pipe (PVC)
79102916SN	WAR046505	47.640802	-117.489228	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Corrugated Metal Pipe
90596318SN	WAR046505	47.634842	-117.431254	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
05205800SN	WAR046505	47.681484	-117.453383	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
9004600ND	WAR046505	47.628107	-117.346999	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
90602800SN	WAR046505	47.64115	-117.47023	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1302900ND	WAR046505	47.65174	-117.392977	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
9003600ND	WAR046505	47.641443	-117.455988	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
04103700SN	WAR046505	47.686988	-117.474745	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
1578800SN	WAR046505	47.715211	-117.358142	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90995208SN	WAR046505	47.642949	-117.453046	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1158708SN	WAR046505	47.671588	-117.414276	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	6	inches	Ductile Iron Pipe
0519100SN	WAR046505	47.680937	-117.450978	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Concrete Pipe
15107700SN	WAR046505	47.697565	-117.343686	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
90876714SN	WAR046505	47.662683	-117.355816	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	14	inches	Ductile Iron Pipe
2209000ND	WAR046505	47.593437	-117.425121	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
9001700ND	WAR046505	47.654121	-117.454039	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
22998308SN	WAR046505	47.589546	-117.426147	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
01312000SN	WAR046505	47.757459	-117.480593	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Reinforced Concrete Pipe
90598800SN	WAR046505	47.642205	-117.468435	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
13905100ND	WAR046505	47.664198	-117.367634	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
20998315SN	WAR046505	47.64467	-117.446187	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
1200100ND	WAR046505	47.6663	-117.404715	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
1306700ND	WAR046505	47.661692	-117.398682	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
13900400SN	WAR046505	47.66444	-117.381325	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
900908SN	WAR046505	47.647502	-117.457948	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
15111800SN	WAR046505	47.699058	-117.34391	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2212300ND	WAR046505	47.596323	-117.430062	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
22113000SN	WAR046505	47.591577	-117.421829	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)
13150000SN	WAR046505	47.649904	-117.380677	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2204300ND	WAR046505	47.593899	-117.420724	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
0400200ND	WAR046505	47.690494	-117.466658	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	--
2206100ND	WAR046505	47.611459	-117.429729	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Concrete Pipe
0126200ND	WAR046505	47.740366	-117.498361	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Ductile Iron Pipe
90546418SN	WAR046505	47.668869	-117.34643	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
79104100SN	WAR046505	47.643056	-117.538373	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
01289900SN	WAR046505	47.749842	-117.475157	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0208600ND	WAR046505	47.696809	-117.478565	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Vitrified Clay Pipe
90616200SN	WAR046505	47.605328	-117.365743	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	High Density Polyethyline Pipe
2201500ND	WAR046505	47.593947	-117.414217	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
1300800ND	WAR046505	47.662084	-117.400497	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	48	inches	Concrete Pipe
22118500SN	WAR046505	47.590774	-117.418809	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2211500ND	WAR046505	47.606546	-117.424876	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	High Density Polyethyline Pipe
9001100ND	WAR046505	47.631977	-117.375616	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
1159008SN	WAR046505	47.670819	-117.414496	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
2302400ND	WAR046505	47.668498	-117.464965	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe
2208000ND	WAR046505	47.598363	-117.417298	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	--
2200500ND	WAR046505	47.597934	-117.41486	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
22112700SN	WAR046505	47.591706	-117.421828	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0122200ND	WAR046505	47.724038	-117.447105	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
9001300ND	WAR046505	47.640632	-117.437236	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0130000ND	WAR046505	47.738857	-117.436266	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	16	inches	Ductile Iron Pipe
0130100ND	WAR046505	47.740388	-117.435818	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
0118800ND	WAR046505	47.753409	-117.482592	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01231300SN	WAR046505	47.737069	-117.440713	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Ductile Iron Pipe
0980300ND	WAR046505	47.661609	-117.426368	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
0122000ND	WAR046505	47.724757	-117.447388	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Polyvinylchloride Pipe (PVC)
90579300SN	WAR046505	47.620506	-117.353255	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Ductile Iron Pipe
2209300ND	WAR046505	47.592235	-117.426944	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2243600SN	WAR046505	47.602539	-117.428092	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Polyvinylchloride Pipe (PVC)
2325312SN	WAR046505	47.671848	-117.475676	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	Corrugated Metal Pipe
13132000SN	WAR046505	47.65779	-117.394556	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9000600ND	WAR046505	47.613709	-117.400511	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	Polyvinylchloride Pipe (PVC)
2300600ND	WAR046505	47.670507	-117.471187	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	10	inches	Ductile Iron Pipe
13165500SN	WAR046505	47.669607	-117.398583	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
01279900SN	WAR046505	47.741735	-117.476895	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	18	inches	Polyvinylchloride Pipe (PVC)

City of Spokane Storm Sewer Outfall Information

Outfall ID	Permit Number	Latitude Decimal Degrees	Longitude Decimal Degrees	Horizontal Datum	Horizontal Coordinate Accuracy	Horizontal Coordinate Collection Method	Pipe Or Ditch Size	Pipe or Ditch Size Units	Pipe Or Ditch Material
21999924SN	WAR046505	47.591335	-117.427464	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	24	inches	Polyvinylchloride Pipe (PVC)
2209600ND	WAR046505	47.591722	-117.430154	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
07172300SN	WAR046505	47.715438	-117.364112	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
9001200ND	WAR046505	47.638916	-117.440343	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Concrete Pipe
2000400ND	WAR046505	47.650586	-117.411843	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	12	inches	--
2000300ND	WAR046505	47.649502	-117.411455	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	15	inches	--
19995100SN	WAR046505	47.661669	-117.445618	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	8	inches	Ductile Iron Pipe
90576900ND	WAR046505	47.602279	-117.392642	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
79103300SN	WAR046505	47.642818	-117.540074	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
0122704ND	WAR046505	47.72327	-117.446908	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
79103012SN	WAR046505	47.643057	-117.540284	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--
79104000SN	WAR046505	47.642915	-117.539246	NAD83HARN - High Accuracy Reference Network	± 40 ft (12 m).	Computer map (GIS-based, including EIM or Google Earth).	--	inches	--