



City of Sammamish
NPDES PHASE II
Stormwater Management Program Plan
March 2025



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Introduction

The Purpose of the Stormwater Management Program Plan

This document constitutes the City of Sammamish 2025 Stormwater Management Program (SWMP) Plan as required to be annually updated under condition S5.A.2 of the *Western Washington Phase II Municipal Stormwater Permit (the Permit)*, which is part of the *Federal Clean Water Act* and to document the City's actions to protect the Underground Injection Control (UIC) facilities in accordance with the UIC Program, which is authorized under the *Federal Safe Drinking Water Act*. The purpose of the SWMP Plan is to develop and present the City's approach for addressing regulations, adopted plans and programs, and policies that affect urban stormwater, flooding, and associated water-dependent resources, to maintain compliance with conditions in the Permit. The NPDES Permit requires annual progress reports with various requirements that are phased into effect throughout the five-year coverage period that expires July 31, 2029.

The NPDES Program

The National Pollutant Discharge Elimination System (NPDES) is a program created under the Federal Clean Water Act with the intent of protecting and restoring water quality in lakes and streams, so they can support "beneficial uses" such as fishing and swimming. Governmental and private entities wishing to discharge water or wastewater to surface waters regulated by the Federal Government (Waters of the US) must obtain permits and comply with certain conditions or face fines and other penalties. NPDES permits have been written for discharges from construction sites, concentrated animal feeding operations, industrial activities, publicly owned wastewater treatment plants, and municipal stormwater systems.

In Washington State, the US Environmental Protection Agency has delegated the authority over NPDES permits to the Washington State Department of Ecology (Ecology). Ecology has issued several general permits for discharges from stormwater systems that apply to municipalities with different sizes of populations, locations, and different regions of the State (Eastern and Western Washington). Phase I refers to municipalities with a population of greater than 100,000, and Phase II to those with a population of less than 100,000 according to the most recent decennial census.

The Western Washington Phase II Municipal Stormwater Permit

Sammamish has been identified as a Phase II municipal stormwater permittee and therefore must establish a stormwater program that complies with conditions in the Western Washington Phase II Municipal Stormwater Permit. The Permit allows municipalities to discharge stormwater from systems it owns and operates into "waters of the state" such as rivers, lakes, streams, and ground water as long as they implement programs to reduce pollutants in stormwater to the "maximum extent practicable." To do this, permittees must conduct programs and activities in the following program areas:

- » Stormwater Planning (S5.C.1)
- » Public Education and Outreach (S5.C.2)
- » Public Involvement and Participation (S5.C.3)
- » Stormwater System (MS4) Mapping and Documentation (S5.C.4)
- » Illicit Discharge Detection and Elimination (S5.C.5)
- » Controlling Runoff from New Development, Redevelopment, and Construction Sites (S5.C.6)
- » Stormwater Management for Existing Development (S5.C.7)

- » Source Control for Existing Development (S5.C.8)
- » Municipal Operations and Maintenance (S5.C.9)

Department of Ecology Publication 21-10-024¹ describes how Phase II permittees can comply with UIC Program requirements. Sammamish will not develop a Stormwater Site Plan (SSP) or stand-alone SWMP Plan for UICs. Instead, as allowed by Ecology, the City will incorporate UIC elements into this SWMP Plan. Specifically, this version of the SWMP Plan also documents the City's actions to protect UIC facilities it owns or operates in accordance with the UIC Program. UICs offer another approach to stormwater management and, like the other components of the City's stormwater system, benefit from careful design, construction, and management. UIC Program requirements for City-owned UICs can be met by applying relevant SWMP actions.

The SWMP Plan must be prepared and submitted annually and must contain the planned actions and activities that will be used in the reporting year to maintain compliance with the Permit. In addition, the Permit requires the City to submit an Annual Compliance Report by March 31st of each year that details actions taken in the previous year to achieve compliance. The full text of the Permit can be viewed at:

<https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Municipal-stormwater-general-permits/Western-Washington-Phase-II-Municipal-Stormwater>

If links in this document do not work, please use the search tool on the City's website:

<https://www.sammamish.us/>

Permit History, Implementation, and Reissuance

The original Western WA Phase II Permit was valid for five years, from February 17, 2007, to February 15, 2012, and allowed for phased implementation of stormwater management programs and actions. In 2012, Ecology reissued this Permit and extended the schedule to July 31, 2013, with no new permit conditions.

The second Permit became effective on August 1, 2012, and was modified on January 16, 2015. It was originally effective until July 31, 2018, and was extended until July 31, 2019. It required continued compliance with the substantial conditions of the previous Permit. It also allowed for phased implementation of new requirements over the permit cycle. The third Permit became effective on August 1, 2019, and expired July 31, 2024.

The current Permit was effective on August 1, 2024, and will expire on July 31, 2029. As with past Permits, it requires continued compliance with the established substantial conditions and allows for phased implementation of new requirements. Sammamish continues to be in position to meet these deadlines and maintain full Permit compliance.

The City of Sammamish submitted a Duty to Reapply Notice of Intent per Condition S1.D.2 and is preparing for on-going compliance with the permit.

Current and Planned Activities

The SWMP Plan describes a set of actions and activities implemented to maintain permit compliance. The Plan is organized to address the program components noted in Condition S5.C of the Permit.

¹ *Underground Injection Control ((UIC) Stormwater Management Program (SWMP) Components*, Washington State Department of Ecology, June 2021.

The following sections of the SWMP Plan describe how Sammamish is currently meeting the requirements of the Permit, and how the City plans to continue to meet those requirements in 2025.

Sammamish does not currently operate their stormwater system in a location where a Total Maximum Daily Load (TMDL) Plan has been approved, thus TMDL (S7) compliance requirements have not been included in this plan.

Coordination and Responsibilities

Compliance with the Permit requires coordination and documentation of activities in several City departments. The Public Works Department Stormwater Division will coordinate City efforts and will meet with staff from other departments regularly to verify that current and planned activities meet Permit requirements. Activities required for Permit compliance will be carried out by the following City departments: Public Works; Information Technology/GIS; Community Development; Parks, Recreation, and Facilities; City Manager's Office; and Finance.

In addition to regular staff coordination, the Stormwater Division developed the *2024-29 NPDES Permit Communication Plan*. The purpose of the plan is to inform, educate, and provide resources to all City staff on Permit requirements to ensure ongoing compliance.

The Surface Water Management Utility - Other Activities

This SWMP Plan details actions and activities that fall under the purview of the Permit. Stormwater management is one part of the City's overall surface water management program as coordinated by the Surface Water Utility.

The Surface Water Utility conducts a suite of related programs that reduce flooding, protect, and improve water quality, and protect and restore aquatic habitat in the City's streams and lakes.

Sammamish's *Storm and Surface Water Comprehensive Plan* (Stormwater Comp Plan) was last updated in 2016. The Stormwater Comp Plan sets program goals, objectives, actions, and describes how the City manages storm and surface water runoff. The Stormwater Comp Plan, combined with the Stormwater Rate Study completed in 2023, sets the framework for future budgeting by assessing existing conditions and forecasting future needs. The last update included extensive public involvement in the form of open houses, mailings, and web information. It is anticipated that the upcoming update will also include extensive public involvement.

For details on *Storm and Surface Water Comprehensive Plan* not addressed in this SWMP Plan, contact the Public Works Department at (425) 295-0500, or visit the [City website here](#).

Stormwater Planning

Stormwater Planning was a new section in 2019-24 Permit (Section S5.C.1) that requires Sammamish to enhance its existing stormwater planning efforts and is designed to inform and assist in the development of policies and strategies as water quality management tools to protect receiving waters. Receiving waters are defined as the natural or reconstructed naturally occurring surface water bodies, such as creeks, streams, rivers, wetlands, or groundwater to which stormwater flows.

Sammamish has operated its stormwater system since incorporation in 1999. This is done through best available science, regulatory/permit requirements, staff expertise, and citizen input to direct the work of the City with regards to storm and surface water management.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Interdisciplinary Team:** Sammamish has an inter-disciplinary team to inform and assist in the development, progress, and influence of the Stormwater Planning Program. This team meets quarterly and is comprised of members from the Planning Department, Transportation Division, and Stormwater Staff. Members may vary based on current tasks of the team.
- ❖ **Coordination with Long-Range Planning:** Sammamish exhibits strong internal coordination for long-range plan updates through regular meetings. The City will describe how stormwater management needs and protection/improvement of receiving water health are informing the planning update processes and influencing policies and implementation strategies through a series of annual report questions due March 31, 2027
- ❖ **Low Impact Development:** Sammamish continues to implement Low Impact Development (LID) code. LID shall remain the preferred and commonly used approach to site development as local development-related codes, rules, standards, and other enforceable documents are updated and revised. See our Low Impact Development website for more details.
 - Sammamish staff will continue to assess and document any newly identified administrative or regulatory barriers to implementation of LID principles or LID BMPs and the measures developed to address the barriers.
 - In 2024 staff revised the Sammamish addendum with technical updates to improve LID implementation. Public meetings were held with the Planning Commission and City Council for input.
- ❖ **Tree Canopy Goals and Policies:** In 2019 the City adopted its [Urban Forest Management Plan \(UFMP\)](#). The UFMP provides a policy guide for managing, enhancing, and growing trees in the City of Sammamish over the next twenty (20) years. Goal UA 1 of the UFMP is 'Maintain overall canopy cover,' and includes objectives to enhance the canopy, and assess the canopy every 10 years.
 - In 2025-26, the City's Natural Resources and Environment Sustainability Coordinator will be rightsizing the UFMP to align with existing staffing and Permit requirements. This will guide the City to adopt and implement policies for tree canopy goals to aid stormwater management on permittee-owned or operated lands and will include maintaining or increasing canopy in overburden communities. Sammamish will continue to maintain compliance by December 31, 2028.
- ❖ **Stormwater Management Action Planning (SMAP):** 2024 SMAP activities build upon the initial stormwater management action plan submitted with last year's annual report. Specifically, staff identified the watershed of the next high-priority catchment by reviewing the initial assessment and prioritization process. The next SMAP catchment is within the 1,200-acre Pine Lake Creek watershed. The basin's predominate features include Pine Lake and two smaller streams draining into Lake Sammamish.

The Basin Plan evaluated the character of the watershed by cataloging the dominant features, specific deficiencies, and other concerns that impact basin health. The plan then identified different strategies and capital projects responsive to these concerns. Ultimately, the plan provides a high-level roadmap to preserve and enhance this high-value watershed. Final plan adoption by City Council is scheduled for 2025.

Following that, the next step in the SMAP process will be to further refine specific areas of concern within the basin and identify a unique high-priority catchment. At this stage, staff have not identified the next catchment area. Consistent with the SMAP timing requirements identified in Permit Condition SC3.C.1.d.i, this will be completed in 2026, with additional information included with that year's Annual Compliance Report.

- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of stormwater planning activities and summarize these activities in the Annual Compliance Report.
- ❖ **Departments Engaged:** Public Works, Community Development, City Manager's Office, and Communications.
 - Early 2025, the Pine Lake Creek Basin plan will be going through the SEPA process and City Council adoption.
 - In 2026, projects adopted through the Basin Plan will be incorporated into the Stormwater Capital Improvement Plan.

Public Education and Outreach

Sammamish provides and participates in a variety of stormwater education and outreach programs designed to build general awareness, reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts, and encourage the public to participate in stewardship activities.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Regional Participation:** Sammamish is an active participant and leader in regional education and outreach groups. Staff will continue to coordinate with other permittees in Western Washington through participation in the Stormwater Outreach for Regional Municipalities (STORM) and the North King County Stormwater Outreach Group (the SOGgies).
 - Sammamish participates in STORM's awareness campaign, which includes digital, social and ethnic media placement and buys for Puget Sound Starts Here campaign.
- ❖ **General Awareness Programs:** Sammamish will continue to provide general awareness education and outreach programs for a variety of target audiences, including program considerations for overburdened communities. Sammamish incorporates behavior change principles in its general awareness programs to promote not just education, but a change in behavior. Examples of programs include:
 - The City plans to contract services to continue to increase awareness and understanding of stormwater management among commercial properties (this could include schools and/or multifamily dwellings), managers and employees, and encourage businesses to practice pollution prevention and best management practices through a spill kit outreach program. This program reaches approximately 20 commercial locations annually and will run from June 2025 to June 2026.
 - The City has five interpretive watershed signs displayed. They are contracted to stay in place through 2026. The signs are titled "Our Urban Watershed" and are located at high traffic areas in five parks in Sammamish and explore the watershed we live in.

- Pet waste stations and educational signage throughout the city at parks and other locations. The City will supply these stations with dog waste bags.
 - [Storm Bandit and Engineering Records Vault](#) are online mapping tools for property owners to explore and discover the LID facilities built on their properties and resources for maintenance support.
 - General awareness promotion through a variety of media including neighborhood mailers, City newsletter, social media, and the City’s Stormwater web page.
 - In 2024 the City retained language translation services. The City plans to translate written outreach materials into the top languages spoken in Sammamish for certain BMPs. During the recent website redesign, the City also added a translation service to serve non-English speaking audiences.
 - Updates to our website “Help Keep Stormwater Clean,” which offers helpful information and activities to prevent pollution in our stormwater.
<https://www.sammamish.us/government/departments/public-works/storm-and-surface-water-management-program/help-keep-stormwater-clean/>
- ❖ **Behavior Change Campaign:** The City, in conjunction with King Conservation District, for the tenth year, has implemented a learning program to educate school-aged children in Sammamish. *Healthy Watershed, Healthy World* will be modified, adjusted, and implemented again in the 2025-26 school year. In addition, a regional Kokanee Education Day that reaches students in Sammamish and other eastside jurisdictions for a day of learning is scheduled for May 2025.
- The classroom workshops and education day focus on:
 - Kokanee salmon and their habitat in Lake Sammamish
 - The differences between storm drains and sewers
 - Regionally identified priority stormwater pollutants including lawn care chemicals, car washing chemicals, vehicle oil leaks, pet waste, and litter
 - How pollution can impact kokanee salmon at various life stages
 - Positive choices students and their communities can make to protect local stormwater quality and kokanee salmon.
 - The workshop also utilizes different hands-on activities with a variety of different learning styles to promote collaboration between students.
- ❖ **Social Marketing Campaign:** Based on the results of the evaluation and reporting (due March 31, 2024), Sammamish will continue local implementation of “Shut the Lid.” This program supports commercial properties to change their behavior to consistently close their dumpster lids after each use through stickers, signage, and technical assistance. Sammamish prioritizes working with businesses with lids consistently observed to be open and/or have previously had dumpster spills. In 2024, we continued observation of 22 businesses and noted an overall lid closure rate of over 77%.
- The goal of the campaign is to increase education on proper use and maintenance of dumpsters and to change public behavior to “shut the lid” after using the dumpster. The outcome of the project is to reduce or eliminate this type of pollution from occurring and demonstrate effectiveness through understanding and adoption of shutting the lid.
 - Recommended changes and adaptive management will continue to be part of the evaluation of the program.
- ❖ **Stewardship Opportunities:** Sammamish will continue to provide stewardship opportunities for community members through various programs.
- Storm drain marking: Volunteers mark neighborhood storm drains with labels stating, “Puget

Sound Starts Here – Only Rain Down the Drain.” The purpose of these markers is to raise awareness regarding the connection between our neighborhoods and local water bodies.

- In October 2021, the City launched a new Adopt-a-Drain Program with seven other jurisdictions across the Puget Sound. To date, the region has 22 jurisdictions currently involved. In 2025, a 1-minute video *Adopte una Alcantarilla* (Adopt a Drain in Spanish) was launched and is available on the City’s website: <https://www.sammamish.us/our-community/environment-sustainability/help-keep-clean/> . This program is under contract through 2025. See www.adopt-a-drain.org/wa.
 - Ongoing opportunities to volunteer in wetland and riparian restoration activities. There are typically 5 to 10 planting events organized by the Volunteer Coordinator in the Parks and Recreation department.
 - Sammamish Stewards: Volunteers sponsor the “Adopt-a-Stormwater Pond” project to encourage planting of native species around stormwater facilities where appropriate and allowable. Typically, one new location is selected annually; currently nine locations are ongoing and maintained. The program is anticipated to continue in 2025. The program is located here: <https://www.sammamish.us/government/departments/public-works/storm-and-surface-water-management-program/help-keep-stormwater-clean/>
 - <https://www.sammamish.us/community-involvement/volunteer/stewardship-programs/>.
- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of public education and outreach activities and summarize these activities in the Annual Compliance Report.
- ❖ **Departments Engaged:** Public Works, Parks Recreation and Facilities, City Manager’s Office, and Communications.

Public Involvement

Sammamish is committed to providing ongoing opportunities for the public, including overburdened communities, to provide input into the development of this annual plan and into other initiatives and plans designed to improve water quality.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Opportunities for Public Input:** The City welcomes comments from the public throughout the year.
 - Community feedback —The City encourages public comment in the development and implementation of the City's SWMP. The process to obtain feedback continues at public meetings concerning NPDES Phase II requirements and through email, in writing, or by phone. The latest program document and annual report are posted on the City's website. The City employs a translation service on the City's website to allow non-English speakers to access the City's website and provide feedback. The City also offers computer terminals at City Hall for public use. Water Quality Monitoring and Basin Planning – The City has developed and will continue to develop web pages to share and receive information as well as give feedback on these strategies. The City also uses social media platforms to receive input on plans, projects, and stormwater management.
 - Sammamish also seeks to involve the public in other stormwater management and clean water related decisions by engaging the public during the planning and construction of stormwater infrastructure projects, enhanced street sweeping maintenance program, stormwater pipe condition assessment, the ditch and drainage maintenance program, and through basin planning efforts.
 - The City will document methods used to identify overburdened communities by December 31, 2026.
 - Other ways to participate or get involved:
 - Email: stormwater@sammamish.us
 - Call Public Works: 425-295-0500
 - Mail Comments to:
City of Sammamish – Public Works Department
801 228th Ave SE, Sammamish WA 98075
- ❖ **Accessibility:** Sammamish updated and redesigned the City's website in 2024. New features have included a more intuitive and visual based experience, as well as a translation service. A computer is available at City Hall for customer service.
- ❖ **Transparency:** Sammamish posts their annual Stormwater Management Program Plan and Annual Compliance Reports to our website each year before May 31st. These documents can be found on this website: <https://www.sammamish.us/government/departments/public-works/storm-and-surface-water-management-program/npdes-stormwater-permit/>
- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of public involvement activities and summarize these activities in the Annual Compliance Report.
- ❖ **Departments Engaged:** Public Works, Information Technology, City Manager's Office, and Communications.

Stormwater System (MS4) Mapping and Documentation

Sammamish maintains an internal- and external-facing GIS-based map of the stormwater system.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Ongoing Mapping:** Sammamish will continue to maintain and build on the existing map of the municipal stormwater system. This will include attributes of stormwater system outfalls with size, and material, discharge points, receiving waters (other than groundwater), stormwater treatment and flow control BMPs/facilities owned and operated by the City, geographic areas that do not discharge stormwater to surface waters, tributary conveyances to all known outfalls and discharge points (24-inch diameter or larger), connections between other municipalities and public entities, all connections authorized after February 16, 2007 (excluding residential connections such as individual driveways, sump pumps, or roof downspouts), and all known connections from the MS4 to privately-owned stormwater systems.
 - Updating and managing GIS data is done according to documented procedures and quality control standards. Sammamish receives record drawings, including stormwater infrastructure, from development activities. These are field verified by Public Works staff prior to being integrated into the online GIS map.
 - GIS resources will continue to support the SMAP process as needed.
 - Sammamish will submit all locations of all known MS4 outfalls with size and material no later than March 31, 2026.
 - Sammamish will map the tree canopy on Permittee-owned or operated properties no later than December 31, 2026
 - Sammamish will implement a methodology to map and assess acreage of MS4 tributary basins to outfalls with a 24" nominal or larger by March 31, 2028.
 - Sammamish will map overburdened communities in relation to stormwater treatment and flow control BMPs/facilities, outfalls, discharge points, and tree canopy on Permittee-owned or operated properties by December 31, 2028.
 - Sammamish actively improves their maps by incorporating data that is gathered from field inspections (CCTV, catch basin inspection, IDDE, etc.) to progressively update and improve the accuracy of the stormwater system map.
 - This process builds the public and private stormwater treatment and flow control inspections lists. The inspections are performed under the Operations and Maintenance section of this Plan.
- ❖ **Transparency:** Sammamish maintains a public-facing GIS-based interactive map of their stormwater system. The map (Storm Bandit) and downloadable data can be found on this website: <https://www.sammamish.us/government/departments/public-works/maps-and-gis-data/> . Maps are available to Ecology and other permittees upon request in electronic format.
- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of MS4 Mapping and Documentation activities and summarize these activities in the Annual Compliance Report.
- ❖ **Departments Engaged:** Public Works and Information Technology.

Illicit Discharge Detection and Elimination (IDDE)

Sammamish's Illicit Discharge Detection and Elimination (IDDE) program is designed to prevent contamination of surface water and groundwater by monitoring, tracking, and removing non-stormwater discharges into the stormwater drainage system. The City's IDDE program covers areas of the City that discharge to waters of the state via the MS4 as well as those that discharge via UICs.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Ongoing IDDE program to detect and address non-stormwater discharges and illicit connections:** The City's on-going IDDE program is designed to characterize, trace the source, and eliminate illicit discharges, including spills and illicit connections, into the municipal stormwater system.
 - The City responds to and investigates all calls and reports regarding environmental concerns such as illegal dumping, spills, illicit discharges, and illicit connections.
 - Spills Hotline: 425-295-0500, is Sammamish's hotline for reporting of spills, water quality concerns, and other illicit discharges and is publicized as a 24-hour, 7-days a week hotline.
 - During regular business hours, calls are received and addressed by the storm operations and maintenance crew and stormwater staff of Public Works.
 - After-hour calls are managed by Sammamish's emergency dispatch and standby maintenance crews.
 - Sammamish investigates all calls received and records are kept of calls received and actions taken as a result of these calls.
 - The hotline is publicized on the City's website, social media, in the business pollution prevention brochure guide, Sammamish's erosion and sedimentation control plans, and on business cards/email signatures of select staff.
 - In 2020 the City implemented a new cell phone application "My Sammamish" or "SeeClickFix" for residents and staff. This prompts the reporter for specific information which immediately reaches appropriate spill response staff. The app continues to be a preferred method for residents to use as it is a convenient and efficient way to ensure timely response.
 - Sammamish takes pride in exceeding permit requirements for IDDE program response, and in most cases, spill response and investigation is performed the day of reporting. The Permit requires that all activities are performed at these minimum timelines:
 - Immediately respond to all illicit discharges which constitute a threat to human health, welfare, or the environment
 - Investigate within 7 days any potential illicit discharge
 - Initiate an investigation within 21 days for any suspected illicit connection
 - Use of a compliance strategy to eliminate illicit connections within 6 months
 - Documentation of IDDE procedures is detailed in the City's IDDE Program Manual and internal spill response and reporting protocol, which is adapted from the 2020 Illicit Connection and Illicit Discharge Field Screening & Source Training Manual.
 - Many internal standard operating procedures (SOP) were developed to ensure staff understand the City's responsibility in all IDDE situations, private or public.
 - Sammamish educates public employees, businesses, and the general public about illicit discharges and the hazards associated with improper disposal of waste through a business spill kit program and general awareness campaigns, neighborhood mailings and social media.

❖ **Sammamish Development Code (SDC): 21.03.050(F) Water Quality:**

- Sammamish Development Code (SDC) 21.03.050(F)(2) prohibits non-stormwater, illicit discharges into Sammamish's stormwater system and provides the regulatory authority and framework for enforcement. Sammamish Development Code adopted the Permit definitions for allowable discharges and conditionally allowable discharges. The code section is updated periodically to support the program and will be revised, if necessary, by July 1, 2027.
- Code Implementation:
 - The on-going IDDE compliance strategy strives to achieve compliance initially through public education and technical assistance. When education, technical assistance, and voluntary correction agreements do not achieve compliance, SDC 21.03.050(F)(4) provides for progressive enforcement.
 - Pollution discharged into the municipal storm drain system and/or surface and ground waters (illicit discharges) violates SDC 21.03.050(F)(2) and subjects the violator(s) to fines and/or cleanup costs imposed by City and/or State agencies per SDC 21.03.050(F)(4).
 - In July 2023 the City adopted code amendments related to stormwater enforcement. The new code took effect on January 1, 2024. In addition, policies and procedures were developed for implementation of the stormwater enforcement code including non-compliance, penalties, and reimbursement costs to the City. Outreach for the new stormwater code to the community and commercial businesses is on-going.

❖ **MS4 Screening:** Sammamish has an on-going program to screen the stormwater system for potential sources of non-stormwater discharges and illicit connections. Sammamish performs this screening through catch basin inspection. During each inspection, staff observe the structural integrity of the catch basin and adjoining pipes, sediment accumulation levels, and if there is any unusual flow, odor, color, or other visual indicators that would suggest a pollutant is present. If there is a water quality concern, staff will report a spill through SeeClickFix. This will trigger a notification to the storm maintenance crew to respond and maintain storm structures affected and the water quality team for further investigation and follow up.

- The City field screens on average at least 12% of the stormwater system each year and annually tracks the percentage screened as well as the total percentage screened beginning August 1, 2019.

❖ **Training:** Sammamish has an on-going training program for City staff, including field staff, on the identification, reporting, and response to illicit discharges into the municipal stormwater system. Additionally, Sammamish ensures that all IDDE response staff are trained on the characterization, source tracing, and elimination of illicit discharges, including spills and illicit connections, into the stormwater system. Sammamish provides this training through a combination of on-line and in-person training annually.

❖ **Record Keeping:** Sammamish will continue to track and maintain records of illicit discharge detection and elimination activities and summarize these activities in the Annual Compliance Report.

- Sammamish will maintain its own internal data tracking system and also import data into Ecology's Water Quality Web IDDE portal. Data uploaded into this system began in 2020.

❖ **Departments Engaged:** All City departments - Public Works, Community Development, City Manager's Office, Communications, Information Technology, and Parks and Recreation.

Controlling Runoff from New Development, Redevelopment and Construction Sites

Sammamish reviews development plans and inspects development sites during construction to ensure erosion and sediment control best management practices are in place and stormwater facilities (including UICs) are installed and maintained as designed. In addition, the City requires the use of Low Impact Development stormwater practices and principles. Sammamish plans to carry forward these policies and approaches in 2025.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Ongoing Program: Stormwater Management Standards for Development, Redevelopment, and Construction Sites.** The program applies to private and public development, including transportation projects.
 - Sammamish Development Code (SDC) Chapter 21.03.050(D) addresses runoff from new development, redevelopment and construction sites and provides authority to inspect and enforce adopted standards. No later than June 30, 2027, the City will adopt and make effective a program to meet requirements S5.C.6.b(i)-(iii).
 - Sammamish previously adopted the 2016 King County Surface Water Design Manual (KCSWDM) and Sammamish Addendum effective January 1, 2017. These stormwater design standards are equivalent to the minimum technical requirements in Appendix 1, as required by the Permit.
 - Sammamish adopted the 2021 KCSWDM and Sammamish Addendum in June 2022, effective June 30, 2022. The stormwater design standards are equivalent to the minimum technical requirements in Appendix 1, as required by the Permit.
 - Sammamish will continue to track the number of adjustments granted to the minimum requirements in Appendix 1. Sammamish does not currently grant exceptions or variances.
- ❖ **Review Plans and Inspect Development/Redevelopment Sites**
 - Sammamish implements a program (permitting process) to review plans, inspect sites during construction, and take enforcement action against those failing to follow approved guidelines or to provide stormwater facilities (including UICs) as required during plan review. This program ensures proposed development projects comply with the 2021 King County Surface Water Design Manual and Sammamish Addendum.
 - The City's cross-departmental permitting process includes civil/site plan review and approval process, inspection, and enforcement to meet standards established by the permit for all qualifying new and redeveloped sites. This established approach will continue. The City's oversight of new and redevelopment projects occurs in phases: (1) prior to construction during the plan review and acceptance process; (2) before the site is cleared during an initial site construction inspection; (3) during construction via construction site inspections; and (4) post construction as part of the stormwater infrastructure acceptance inspection. Proposals for public and private projects are reviewed by City engineers or qualified engineering firms for compliance with Sammamish's standards, including LID requirements. City staff inspect qualifying public and private construction sites on a continuous basis to ensure that the proper temporary erosion and sediment control measures have been selected, properly placed, and installed correctly.
 - City inspectors also inspect the stormwater drainage systems that can potentially be impacted by home construction activity. These inspections occur, at a minimum, twice per year or no less than 4 months between, until 90% of the lots have been built out, or when construction has stopped and the site is stabilized. If facilities and stormwater

conveyance require cleaning during home construction, responsible parties perform maintenance/cleaning.

- Sammamish inspectors have the authority to enforce Sammamish Development Code 21.03.050(D), using corrective action notices and stop work orders, to ensure the protection of receiving waters from construction impacts.
- ❖ **Notice of Intent:** Sammamish will continue to provide links to the Notice of Intent for Construction Activity and Industrial Permit on the City's website.
<https://www.sammamish.us/government/public-works/stormwater/npdes-stormwater-permit/>
- ❖ **Training:** Staff continue to increase their knowledge by remaining current with new/revised stormwater regulations, along with attending internal and external training on erosion control, LID techniques, stormwater design models, standards, and practices. Development Review Engineers, Public Works Inspectors, and other appropriate staff maintain Certified Erosion and Sediment Control Lead (CESCL) certifications. Some of this training is done every 3 years, annually, quarterly or monthly depending on the topic and certification expiration.
- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of actions related to controlling runoff from development, redevelopment, and construction sites and summarize these activities in the Annual Compliance Report.
- ❖ **Departments Engaged:** Public Works and Community Development.

Stormwater Management for Existing Development

To meet the new requirements of S5, C.7 on stormwater management for existing development, the City of Sammamish will aim to focus on strategic stormwater investments over longer planning timeframes and build on previous efforts to improve stormwater systems in developed areas. In 2022, the City completed a retrofit study, which identified areas where existing stormwater infrastructure could be improved. This study's results were used to update the City's Stormwater Capital Improvement Plan, which now includes projects focused on upgrading stormwater management to better meet current standards.

The City will also continue to implement activities such as maintenance efforts that exceed \$25,000 in cost, line cleaning, and street sweeping, which will count toward this requirement. These actions help reduce debris and pollutants from entering the stormwater system. The City will develop a project list to submit with each annual report to track its progress to ensure the program meets the goals of the Permit. In 2025 through 2027, efforts will include evaluating the project list and calculating equivalent acres to make adjustments, as needed. By March 31, 2028, the list will identify projects to comply with the assigned equivalent acreage of 10.9 acres as described in Appendix 12 and report on the amount of estimated or projected equivalent acres for the next Permit term.

Source Control

The Source Control Program was a new NPDES permit requirement in 2023. The program is designed to prevent and reduce pollutants in runoff from areas of existing development that discharge to the stormwater system with an ongoing inspection and enforcement program. The City developed the program and began implementation on January 1, 2023. The program can be found here:
<https://www.sammamish.us/government/public-works/stormwater/source-control/>

Sammamish's Plan to Meet the Requirements of the Permit

- ❖ **Source Control Ordinance:** Sammamish adopted an ordinance to require source control BMPs for

pollutant-generating sources on existing development in June of 2022. Necessary updates to meet requirements will be done no later than August 1, 2027.

- ❖ **Source Control Program Development:** This program requires activities which are listed below. Sammamish hired a consultant in 2022 to assist in program development and implemented the ongoing inspection program in 2023, 2024 and will continue into 2025.
 - **Established an Inventory:** This inventory identified institutional, commercial, and industrial sites that have the potential to generate pollutants to the stormwater system and will be updated once every 5 years.
 - **Inform all Sites:** Inform all sites on the inventory about activities that may generate pollutants and the source control requirements applicable to those activities. Sammamish regularly provides education to residents and businesses about preventing pollution at the source. Sammamish introduced the program to all businesses on the business inventory list in November of 2022.
 - **Established Inspection Program:** Sammamish was required to implement an inspection program that supports these sites in applying operational and/or structural BMPs to prevent illicit discharges or violations of surface water, ground water, or sediment management standards as well as practices to reduce pollution from the application of pesticides, herbicides, and fertilizers by January 1, 2023. Since 2023, Sammamish has annually performed inspections to 20% of the sites listed in the inventory and 100% of sites identified through credible complaints. Over a 5-year period, 100% of the sites will be inspected. Further details about the program are listed below.
 - **Enforce the Program:** Sammamish will take follow-up action for any site that has failed to adequately implement BMPs, prioritizing technical assistance and support to achieve compliance. These actions may include phone calls, letters, emails, follow-up inspections, or enforcement.
 - **Maintain Records:** Sammamish will maintain program records including documentation of each site visit, inspection records, denial of entry occurrences, warning letters, notices of violation, and other enforcement records that demonstrate an effort to bring sites into compliance. Currently Sammamish uses NPDESPro software for this.
 - **Training:** Sammamish will continue training for all staff responsible for implementing the program. Training topics will include the legal authority for source control, source control BMPs and their proper application, inspection protocols, lessons learned, typical cases, and enforcement procedures.
- ❖ **Departments Engaged:** Public Works and Community Development.

Operations and Maintenance

Sammamish has a robust Operations and Maintenance (O&M) program that ensures the stormwater system is inspected and maintained in a manner that prevents or reduces potential impacts to stormwater drainage and receiving waters.

Sammamish's Plan to Meet the Requirements of the Permit

- ❖ **Maintenance Standards:** Sammamish implements maintenance standards from the 2021 King County Surface Water Design Manual, Sammamish Addendum, and proprietary system recommendations as necessary, such as Contech's Filterra system. In addition, the City of

Sammamish created the City Facility Maintenance Manual in 2016. Updates are made as needed. The manual serves several purposes including, but not limited to, assisting field staff in quick reference. If necessary, the City will update maintenance standards by June 30, 2027.

❖ **Ongoing Program to Inspect and Maintain the MS4:**

Public System:

- Sammamish inspects all municipally owned catch basins and inlets every two years. If inspection indicates that cleaning or repair is needed, those activities are completed within the permit allowed timelines, within 6 months.
- Sammamish inspects all municipally owned and operated water quality treatment and flow control facilities annually. If inspection indicates that cleaning or repair is needed, those activities are completed within the permit-allowed timelines, within 1 year.
- Sammamish spot checks multiple locations throughout the storm and surface water system, including stormwater treatment and flow control facilities, after storm events. If these spot checks indicate widespread damage or maintenance needs, Sammamish will continue to investigate and take maintenance actions on affected areas/facilities.
- Sammamish will continue to maintain compliance by achieving at least 95% of required inspections.

Private System:

- The City operates a program to annually inspect and require maintenance of private water quality treatment and flow control facilities regulated by Sammamish that discharge to the MS4 and were permitted after the initial Western Washington Phase II NPDES permit in 2007. Maintenance standards are established in the King County 2021 Surface Water Design Manual (Appendix A). SDC 21.03.050(D) establishes enforcement procedures. Sammamish will continue to achieve at minimum 80% of required inspections and will keep records of all actions taken through this program.

UIC Systems:

- Sammamish will continue an inspection program of its municipally owned UICs in 2025. Inspections will be consistent with UIC program requirements. Inspections will emphasize the long-term viability of UICs through appropriate maintenance.

❖ **Practices, Policies, and Procedures to Reduce Stormwater Impacts of Municipal Operations.** The City O&M program implements practices, policies, and procedures to reduce stormwater impacts associated with runoff from land owned or maintained by Sammamish and road maintenance activities. These practices are documented in the 2022 Site Management Plan. This document will be updated as needed by December 31, 2027.

❖ **Street Sweeping.**

- The City of Sammamish's current street sweeping program is already exceeding the NPDES Phase II Permit requirements. The permit mandates sweeping all priority areas at least once between July and September and two additional times per year, with 90% coverage per event. However, the City's current schedule includes:
 - Arterial Streets:
 - January – April: Every other week (~8 sweepings)
 - May – September: Once per month (~5 sweepings, including the required July–September period)
 - October – December: Three times per week (~22 sweepings)
 - Total for Arterials: ~35 sweepings per year, significantly surpassing the minimum

required frequency.

- Neighborhood Streets: Swept four times annually, with additional sweepings as needed.
- Emergency and Residential Requests: Addressed promptly to minimize pollutant discharge.
- Future Program Enhancements: To further enhance the program, the City plans to acquire a Tymco Model 600 regenerative air sweeper, which will:
 - Enable faster responses to residential requests and emergency spills.
 - Allow for increased sweeping frequency, particularly in areas with higher pollutant loads.
 - Improve tracking of debris volumes, curb miles swept, and pollutant removal rates, providing better data on water quality benefits.
- ❖ **Stormwater Pollution Prevention Plan (SWPPP) for Sammamish's Maintenance Facilities.** SWPPPs for the City's two Public Works Maintenance Facility locations, which qualify as heavy equipment/material maintenance or storage yards, are being implemented. The SWPPP includes detailed descriptions of the operational and structural BMPs in use, inspection schedule and results, an inventory of materials and equipment stored on-site, a list of activities conducted that may be exposed to rain, a map of the facilities' stormwater drainage, discharge points, and areas of potential pollutant exposure, and a plan for responding to spills.
- ❖ **Training:** Maintenance staff receive ongoing training throughout the year through various formats at different intervals to ensure continuous learning and development. At a minimum, annual training is provided.
- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of Operations and Maintenance activities and summarize these activities in the Annual Compliance Report.
- ❖ **Departments Engaged:** Public Works and Parks and Recreation.

Monitoring and Assessment

An important part of understanding impacts of management actions on the health of stormwater is to monitor and assess progress. The Permit allows for jurisdictions to undertake monitoring and assessment in their jurisdiction or contribute to a regional fund called the Stormwater Action Monitoring (SAM) Group where studies are undertaken by consensus of the contributing members.

Sammamish's Plan to Meet the Requirements of the Permit:

- ❖ **Regional Participation:** Sammamish has opted to participate in the SAM Group for both (Permit section S8.A) Regional Status and Trends Monitoring and (Permit section S8.B) Effectiveness and Source Identification Studies. The City is an active member in the decision-making process and participates in SAM through several sub-committees. Additionally, staff provide data for regional SAM studies as requested.
 - Regional Status and Trends Monitoring: Sammamish contributes annually to this program and will pay by the required due date of August 15th.
 - Effectiveness and Source Identification Studies: Sammamish contributes annually to this program and will pay by the required due date of August 15th.

- ❖ **Sammamish Monitoring Programs:** Sammamish conducts water quality sampling and aquatic macroinvertebrate (bug) sampling in several creeks and small lakes to evaluate water body health. While not required under the permit, these activities complement and inform other permit activities.

- ❖ **Record Keeping:** Sammamish will continue to track and maintain records of Monitoring and Assessment activities and summarize these activities in the Annual Compliance Report

- ❖ **Departments Engaged:** Public Works.