

Water Quality Program

Permit Submittal Electronic Certification

Permittee: SAMMAMISH CITY

Permit Number: WAR045540

Site Address: 801 228TH AVE NE Sammamish, WA 98075

Submittal Name: MS4 Annual Report Phase II Western

Version: 1

Due Date: 3/31/2021

Questionnaire

Number	Permit Section	Question	Answer
1	S5.A	Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.6.	Not Applicable
2	S5.A	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)	2020 Q 2 2021 SWMP S5.A_2_020420211014 47
3	S5.A	Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP.	Yes
4	S5.A.5.b	Coordinated 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. (S5.A.5.b).	2020 Q 4a Internal Coordinatio_4a_010720 21131121
5	S5.C.1.	Have you convened an interdisciplinary team to inform and assist in the development, progress, and influence of the comprehensive stormwater planning program? (S.5.c.1). August 1, 2020	
6	S5.C.1.b.i(a)	List the relevant land use planning efforts that have taken place in your jurisdiction (land use plans that are used to accommodate growth, stormwater management, or transportation). (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	2016 Stormwater Comprehensive Plan • The Stormwater Comp Plan (The Plan) included direction and objectives for the city that will allow an enhanced stormwater level of service beyond the basic NPDES requirements. The Plan provides information about the City's existing physical stormwater system, current operations and maintenance, staffing, funding, regulatory obligations, and policies. Current and potential future issues are

discussed along with recommendations for actions that address policies and meet desired levels of service. A set of overarching storm and surface water goals, objectives and actions that together will help ensure accomplishment of the City's vision, goals and outcomes described in the 2015 Comprehensive Plan, policies, and regulations as well as meeting the NPDES permit requirements are included in the Plan found here https://www.sammamish .us/attachments/pageco ntent/38404 /FINALPlanforelectronic viewing_11012016 optimized.pdf 2016 Adopted the KCSWDM • The City adopted this manual to minimize stormwater impacts on water quality. 2015 Comp Plan •2016 – Adoption of the Sammamish Stormwater Comprehensive Plan. O2016-464 An Ordinance of the City of Sammamish, updating the Sammamish Stormwater Comprehensive Plan; Providing for Severability; and Establishing an Effective Date • 2017 – Amend Comprehensive Plan to be consistent with revised Storm and Surface Water Management Comprehensive Plan, Surface Water Design Manual, Public Works Standards and Low Impact Development codes, among other minor edits. 02017-450 An Ordinance of the City of Sammamish, Amending the

			Environment and Conservation Element, Utilities Element, and Capital Facilities Element of the Sammamish Comprehensive Plan.
7	S5.C.1.b.i(a)	List of stormwater capital projects (currently in or slated for future design and construction) that resulted from this planning. (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	2020 Q 7 CIP list from Plannin_7_0119202112 5814

8	S5 C 1 b i(a)	Describe watershed protection measures	2016 Stormwater
8	S5.C.1.b.i(a)	Describe watershed protection measures associated with stormwater management and land use planning actions that resulted from this planning. (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	2016 Stormwater Comprehensive Plan (SWCP). The SWCP directed the city to begin several programs aimed at watershed protection measures. • The SWCP recommended a City- wide Water Quality Monitoring Plan, which was completed in 2018 and implementation began in 2019 and is ongoing. • The SWCP also recommend city wide basin planning. The Basin Planning Program began in 2017. The city completed one basin plan and is currently conducting a second. The recently developed Stormwater Retrofit Strategy further assessed and prioritized the remaining subbasins for further study. Basin planning provides staff specific SW projects, maintenance activities, and policy recommended the City develop a Stormwater Retrofit Strategy, which the City started developing in 2020/21 and will be executing in 2021/2022. The Retrofit Strategy assessed areas in the City with little to no stormwater infrastructure such as water quality treatment or detention facilities and proposes actions to
9	S5.C.1.b.i(a)	Were land acquisitions identified (or are planning ahead for) that are useful for stormwater facilities to accommodate growth or to better serve an existing developed area? (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	No

10	S5.C.1.b.i(a)	Identified corrective actions, in addition to the minimum requirements of the Municipal Stormwater Permits, to control or treat municipal stormwater discharges that pollute waters of the State (e.g. Limits to impervious cover added to any zoning districts, regional facility planning, minimization of vegetation loss, etc.)? (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	No
11	S5.C.1.b.i(a)	Updates to goals and policies related to investment in stormwater management facilities/BMPs? (yes/no) (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	Yes
11a	S5.C.1.b.i(a)	If yes, briefly describe.	For this reporting period (2013-19 permit cycle) we got an extra Stormwater inspector, to inspect LID BMPs. Also we created 2 new positions: Associate and Senior Stormwater engineer whose roles are to manage CIPs related to Stormwater facilities, to conduct maintenance projects, and basin planning (SMAPs for watersheds)any code updates pertaining to Stormwater or NPDES requirements. The City completed the 2016 Storm and Surface Water Comp Plan (2016) and completed a surface water utility rate study in 2017 (enacted January 1 2018).
12	S5.C.1.b.i(a)	Does the long-range plan identify the location and existing capacity of the stormwater facilities owned or operated by the permittee and show which of those stormwater facilities have unused capacity? (yes/no) (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)	No

12a	S5.C.1.b.i(a)	Do these stormwater facility locations impact where housing, or other types of development, are projected to be located or influence the acquisition of land? (if yes, how?)	No, but there is a location with no formal stormwater facilities. Inglewood and Tamarack neighborhoods so they are under a pseudo- moratorium (The SMC is so restrictive in these neighborhoods that new single family homes are nearly impossible to permit) until a tightline is installed past their landslide hazard drainage area. This area is all privately owned infrastructure.
12b	S5.C.1.b.i(a)	Does the long-range plan identify a lack of facilities and the potential impacts of existing or new development to those areas and receiving waters?	No
12c	S5.C.1.b.i(a)	Any new proposed locations and capacities of stormwater facilities needed for the timeframe of the plan?	No
13	S5.C.1.b.i(a)	Based on the projected population densities and distribution of growth over the planning period, describe how stormwater runoff impacts are forecasted. Does stormwater management information (including water quality) direct where growth is directed? (S5.C.1.b.i(a) and (b) — Required by March 31, 2021 and January 1, 2023)	The Town Center Plan (TC Plan) focuses growth (required regionally) in the town center, versus densifying other areas in the City. Town Center was proposed specifically to minimize environmental impacts. The TC Plan describes stormwater requirements to minimize impacts to storm runoff. Additionally, Sammamish was previously unincorporated, R-1 zoning in most of the City, and since incorporation in 1999 has been densifying to a minimum of R-4 zoning in most of the City. We see where pockets of development are still able to happen (SE quadrant of City and in Pine Lake Basin) where the zoning is catching up, and we are prioritizing those Basin Plans to investigate the flow control and water quality needs in those specific basins related to future development.

15	S5.C.1.c	Continue to design and implement local development-related codes, rules, standards, or other enforceable documents to minimize impervious surfaces, native vegetation loss, and stormwater runoff, where feasible? See S5.C.1.c.i. (Required annually)	Yes
16	S5.C.1.c	From the assessment described in S5.C.1.c.i (a), did you identify any administrative or regulatory barriers to implementation of LID Principles or LID BMPs? (Required annually)	Yes
16a	S5.C.1.c	If yes, describe the barrier(s) and the measures taken to address them. (S5.C.1.c.i(a))	2020 Q 16 LID Barriers S5.C.116a_01202021 150027
20	S5.C.2	Did you choose to adopt one or more elements of a regional program? (S5.C.2)	Yes

22	S5.C.2	Conducted an evaluation of the effectiveness of the ongoing behavior change program and documented recommendations as outlined in S.5.C.2.a.ii(b). (Required no later than July 1, 2020)	Yes
24	S5.C.2	Began implementing strategy outlined in S.5.C.2.a.ii(c) (S5.C.2.a.ii(d) – Required by April 1, 2021)	Yes
26	S5.C.2	Promoted stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.2.a.iii.	Yes
26a	S5.C.2	Attach a list of stewardship opportunities provided.	2020 Q 26a Stewardship Opportu_26a_01202021 150141
27	S5.C.3.	Describe in Comments field the opportunities created for the public, including overburdened communities, to participate in the decision- making processes involving the development, implementation, and updates of the Permittee's SWMP and the SMAP. (S5.C.3.a)	The City of Sammamish had opportunities for the public, including overburdened communities, to participate in the decision-making processes involving the development of different elements of stormwater management action planning. Due to CoVid closures the City offices were closed in March. In addition, access to the computer in the City Hall lobby was not accessible after that date. • In May a neighborhood mailer was sent to notify and educate residents on the 2020 Ditch and Drainage program. Comments and concerns were solicited through the mailer. • In June an online Stakeholder/citizen meeting was held for the Stormwater Retrofit Strategy. In addition, an online portal for the strategy was on Connect Sammamish for ongoing comment. • In October and December an online public meeting was held for the Ebright Creek Fish Passage Project. • Public comment on the SVMP is advertised on the city website.

28	S5.C.3.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.3.b)	Yes
28a	S5.C.3.	List the website address in Comments field.	https://www.sammamish .us/government/departm ents/public-works/storm- and-surface-water- management- program/npdes- stormwater-permit/
29	S5.C.4.	Maintained a map of the MS4 including the requirements listed in S5.C.4.a.i-vii?	Yes
30	S5.C.4.	Started mapping outfall size and material in accordance with S5.C.4.b.i? (Required no later than January 1, 2020)	Yes
30a	S5.C.4.	Attach a spreadsheet that lists the known outfalls' size and material(s).	2020 Q 30a S5.C.4 Known Outfal_30a_021620210 83651
31	S5.C.4.	Completed mapping connections to private storm sewers in accordance with S5.C.4.b.ii? (Required no later than August 1, 2023)	Not Applicable
32	S5.C.4.	Developed an electronic format for map, with fully described mapping standards in accordance with S5.C.4.c? (Required no later than August 1, 2021)	Yes
33	S5.C.5	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste? (S5.C.5.b)	Yes
33a	S5.C.5	Actions taken to inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste.	The City informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste through many avenues. Including but not limited to: • Staff trainings • Neighborhood mailers • ECOSS spill kit program • The City's website • Social posts • The Storm Corner Kiosk in City Hall – January through March 2020 • Connect Sammamish – interactive web page
34	S5.C.5	Implemented an ordinance or other regulatory mechanism to effectively prohibit non- stormwater, illicit discharges as described in S5.C.5.c.	Yes
35	S5.C.5	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.5.d.i.	Yes

35a	S5.C.5	Cite field screening methodology in Comments field.	The City use Herrera's updated Illicit Connection and Illicit Discharge (IC-ID) Field Screening and Source Tracing Guidance Manual (2020). Tracking of IDDE since 2010 shows that most IDDE occurs in conjunction with spills during auto accidents, maintenance of autos and homes, our small commercial area & in 2020 Republic Garbage vendor had a huge increase. This is due to a poor contract allowing older trucks (2012) to be used in Sammamish. Field screening of 40% of the MS4 for ID/IC is documented & completed by a combination of contracted inspection & in-house inspection of CBs outfalls & ponds.
36	S5.C.5	Percentage of MS4 coverage area screened in the reporting year per S5.C.5.d.i. (Required to screen 12% on average each year.)	40
36a	S5.C.5	Cite field screening techniques used to determine percent of MS4 screened.	The City uses multiple screening methods to screen our MS4. We do CB inspections of 40%- 60% of our City each year, based on zone maps (1,2, 5 in odd years, and 3 and 4 in even years). This service is contracted out, and a City staff member verifies the work is complete.
37	S5.C.5	Percentage of total MS4 screened from permit effective date through the end of the reporting year. (S5.C.5.d.i.)	100
38	S5.C.5	Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.C.5.d.ii)	The Spill hot line is advertised on our website as well as social media posts throughout the year. In 2019 a phone app call "My Sammamish" (internally called SeeClickFix [SCF]) was introduced to citizens and has a spill reporting module. In 2020 the majority of citizen IDDE reports came from SCF.

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50	S5.C.6.	Inspected all permitted development sites upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.6.c.v)	Yes
51	S5.C.6.	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects prior to final approval and occupancy being granted. (S5.C.6.c.v)	Yes
52	S5.C.6.	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.6.c.ii-iv) (S5.C.7.c.viii)	26
53	S5.C.6.	Achieved at least 80% of scheduled construction-related inspections. (S5.C.6.c.vi)	Yes
54	S5.C.6.	Made Ecology's Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity available to representatives of proposed new development and redevelopment? (S5.C.6.d)	Yes
55	S5.C.6.	All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities? (S5.C.6.e)	Yes
56	S5.C.7.	Implemented maintenance standards that are as protective, or more protective, of facility function than those specified in the Stormwater Management Manual for Western Washington or a Phase I program approved by Ecology per S5.C.7.a.?	Yes
57	S5.C.7.	Updated maintenance standards specified in Stormwater Management Manual for Western Washington per S5.C.7.a? (Required no later than June 30, 2022)	Not Applicable
58	S5.C.7.	Applied a maintenance standard for a facility or facilities which do not have maintenance standards specified in the Stormwater Management Manual for Western Washington? If so, note in the Comments field what kinds of facilities are covered by this alternative standard. (S5.C.7.a)	No
59	S5.C.7.	Verified that maintenance was performed per the schedule in S5.C.7.a.ii when an inspection identified an exceedance of the maintenance standard.	Yes
59a	S5.C.7.	Attach documentation of maintenance time frame exceedances that were beyond the Permittee's control.	Not Applicable
60	S5.C.7.	Implemented an ordinance or other enforceable mechanisms to verify long-term operation and maintenance of stormwater treatment and flow control BMPs/facilities regulated by the permittee per (S5.C.7.b.i (a))?	Yes

61	S5.C.7.	Annually inspected stormwater treatment and flow control BMPs/facilities regulated by the Permittee per S5.C.7.b.i(b)	Yes
61a	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.b.i (b)	Not Applicable
62	S5.C.7.	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.7.b.ii)	Yes
63	S5.C.7.	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i)	Yes
63a	S5.C.7.	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i)	450
63b	S5.C.7.	Number of facilities inspected during the reporting period.	450
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period.	57
64	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.c.i.	Not Applicable
65	S5.C.7.	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.7.c.ii.	Yes
66	S5.C.7.	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? Cleaned as needed? (S.5.C.7.c.iii)	Yes
66a	S5.C.7.	Number of known catch basins?	13970
66b	S5.C.7.	Number of catch basins inspected during the reporting period?	6921
66c	S5.C.7.	Number of catch basins cleaned during the reporting period?	4478
67	S5.C.7.	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.7.c.iii.(a)-(c))	Not Applicable
68	S5.C.7.	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d)	Yes
69	S5.C.7.	Documented practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d – Required by December 31, 2022)	Not Applicable
70	S5.C.7.	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.7.e)	Yes

71	S5.C.7.	Implemented a Stormwater Pollution Prevention Plan (SWPPP) 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.C.7.f)	Yes
72	S5.C.7.	Updated, if needed, SWPPPs according to S5.C.7.f no later than December 31, 2022.	Not Applicable
73	S5.C.8	Adopted ordinance(s), or other enforceable documents, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses and activities per S.5.C.8.b.i. (Required by August 1, 2022)	Not Applicable
74	S5.C.8	Established an inventory per S5.C.8.b.ii. (Required by August 1, 2022.)	Not Applicable
75	S5.C.8	Implemented an inspection program S5.C.8.b.iii (Required by January 1, 2023).	Not Applicable
76	S5.C.8	Implemented a progressive enforcement policy per S5.C.8.b.iv (Required by January 1, 2023).	Not Applicable
77	S5.C.8	Attach a summary of actions taken to implement the source control program per S5.C.8.b.iii and S5.C.8.b.iv.	Not Applicable
78	S5.C.8	Attach a list of inspections, per S5.C.8.b.iii, organized by the business category, noting the amount of times each business was inspected, and if enforcement actions were taken.	Not Applicable
79	S5.C.8	Implemented an ongoing source control training program per S5.C.8.b.v?	Not Applicable
80	S7	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A)	Not Applicable
81	S7	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A)	Not Applicable
82	S8	Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year? (S8.A.2.a.)	Yes
84	S8	Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year (S8.B.2.a or S8.B.2.c)?	Yes
86	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, submitted a QAPP to Ecology no later than February 1, 2020? (S8.C.1.b and Appendix 9)	Not Applicable
87	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, attach a data and analysis report per S8.C.1. and Appendix 9. (Due annually beginning March 31, 2021.)	Not Applicable

88	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)	Yes
89	G3	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Yes
90	Compliance with standards	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
91	Compliance with standards	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a.	Not Applicable
92	Compliance with standards	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
93	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
94	G20	Number of non-compliance notifications (G20) provided in reporting year. List permit conditions described in non-compliance notification(s) in Comments field.	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.

Jeffrey Elekes

3/19/2021 10:19:45 AM

Signature

Date