



Annual Report

Number	Permit Section	Question
1	S5.A.2	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2) Saved Document Name: 2019_MLT_SWMP_1_03282019071920
2	S9.D.5	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.5. Not Applicable
3	S5.A.3	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
5	S5.C.1.a.i and ii	Attach description of public education and outreach efforts conducted per S5.C.1.a.i and ii. Saved Document Name: Item 5 Public education and ou_5_03282019072813
6	S5.C.1.b	Created stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.1.b. Yes
8	S5.C.2.a	Describe 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.C.2.a) The City invites the public to review and comment on the City's SWMP Plan on the City's website. Other opportunities for the public to provide input on the SWMP were provided through City Council work sessions, public hearings, open houses, and public outreach associated with the 2018 Stormwater Comprehensive Plan update (completed December 2018.)
9	S5.C.2.b	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.2.b) Yes
9b	S5.C.2.b	List the website address. https://www.cityofmlt.com/367/Stormwater-Reports-and-Plans
10	S5.C.3.a.i - vi	Maintained a map of the MS4 including the requirements listed in S5.C.3.a.i.-vi. Yes

Number	Permit Section	Question
11	S5.C.3.b.v	Implemented a compliance strategy, including informal compliance actions as well as enforcement provisions of the regulatory mechanism described in S5.C.3.b. (S5.C.3.b.v) Yes
12	S5.C.3.b.vi	Updated, if necessary, the regulatory mechanism to effectively prohibit illicit discharges into the MS4 per S5.C.3.b.vi. (Required no later than February 2, 2018) Not Applicable
13	S5.C.3.c.i	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.3.c.i. Yes
13b	S5.C.3.c.i	Cite methodology The City follows the Illicit Connection and Illicit Discharge Field Screening and Source Tracing Guidance Manual (prepared by King County, the WA Stormwater Center, and Herrera Environmental Consultants, 2013.) Specifically, illicit discharges are identified using both catch basin/manhole inspections (during regularly scheduled inspections and cleaning of the MS4) and through dry weather (summer) outfall inspections.
14	S5.C.3.c.i	Percentage of MS4 coverage area screened in reporting year per S5.C.3.c.i. (Required to screen 40% of MS4 no later than December 31, 2017 (except no later than June 30, 2018 for the City of Aberdeen) and 12% on average each year thereafter. (S5.C.3) 20
15	S5.C.3.c.ii	List the hotline telephone number for public reporting of spills and other illicit discharges. (S5.C.3.c.ii) The listed and publicized hotline for the public reporting of spills and other illicit discharges: (425) 670-8264 Monday-Friday 7AM-3:30PM 911 after hours, and on weekends/holidays The hotline number is on the City web page: http://wa-mountlaketerrace.civicplus.com/333/Public-Works
15b	S5.C.3.c.ii	Number of hotline calls received. 3
16	S5.C.3.c.iii	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.3.c.iii. Yes
17	S5.C.3.c.iv	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. (S5.C.3.c.iv) Yes
17b	S5.C.3.c.iv	Describe the information sharing actions. (S5.C.3.c.iv) Regular contact has been made with businesses and the general public on hazards associated with illicit discharges and improper disposal of waste. This includes press releases and newsletter articles in 2018 relating to pet waste and community clean-up events. The City has contracted with a third party (ECOSS) to provide pollution prevention outreach to businesses and multi-family dwellings each year since 2013.

Number	Permit Section	Question
18	S5.C.3.d	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.3.d. Yes
19	S5.C.3.d.iv	Number of illicit discharges, including illicit connections, eliminated during the reporting year. (S5.C.3.d.iv) 9
20	S5.C.3.d.iv	Attach a summary of actions taken to characterize, trace and eliminate each illicit discharge found by or reported to the permittee. For each illicit discharge, include a description of actions according to required timeline per S5.C.3.d.iv Saved Document Name: Item 20 IDDE incident descript_20_03282019073257
21	S5.C.3.e	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.3.e. Yes
22	S5.C.4.a	Implemented an ordinance or other enforceable mechanism to address runoff from new development, redevelopment and construction sites per the requirements of S5.C.4.a. Yes
24	S5.C.4.a.i	Number of exceptions granted to the minimum requirements in Appendix 1. (S5.C.4.a.i., and Section 6 of Appendix 1) 0
25	S5.C.4.a.i	Number of variances granted to the minimum requirements in Appendix 1. (S5.C.4.a.i., and Section 6 of Appendix 1) 0
26	S5.C.4.b.i	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.4.a.i. (S5.C.4.b.i) Yes
26b	S5.C.4.b.i	Number of site plans reviewed during the reporting period. 13
27	S5.C.4.b.ii	Inspected, prior to clearing and construction, permitted development sites that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 Determining Construction Site Sediment Damage Potential, or alternatively, inspected all construction sites meeting the minimum thresholds adopted pursuant to S5.C.4.a.i. (S5.C.4.b.ii) Yes
27b	S5.C.4.b.ii	Number of construction sites inspected per S5.C.4.b.ii. 13
28	S5.C.4.b.iii	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls. (S5.C.4.b.iii) Yes

Number	Permit Section	Question
28b	S5.C.4.b.iii	Number of construction sites inspected per S5.C.4.b.iii. 7
29	S5.C.4.b.ii, iii and	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.4.b.ii, iii and v) 0
30	S5.C.4.b.iv	Inspected all permitted development sites that meet the thresholds in S5.C.4.a.i upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.4.b.iv) Yes
31	S5.C.4.b.ii-iv	Achieved at least 80% of scheduled construction-related inspections. (S5.C.4.b.ii-iv) Yes
32	S5.C.4.b.iv	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects. (S5.C.4.b.iv) Yes
33	S5.C.4.c	Implemented provisions to verify adequate long-term operation and maintenance (O&M) of stormwater treatment and flow control BMPs/facilities that are permitted and constructed pursuant to S5.C.4. a and b. (S5.C.4.c) Yes
35	S5.C.4.c.iii	Annually inspected stormwater treatment and flow control BMPs/facilities per S5.C.4.c.iii. Yes
35b	S5.C.4.c.iii	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.4.c.iii Not Applicable
36	S5.C.4.c.iv	Inspected new residential stormwater treatment and flow control BMPs/facilities and catch basins every 6 months per S5.C.4.c.iv to identify maintenance needs and enforce compliance with maintenance standards. Yes
37	S5.C.4.c.v	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.4.c.v) Yes
38	S4.C.4.c.vi	Verified that maintenance was performed per the schedule in S5.C.4.c.vi when an inspection identified an exceedance of the maintenance standard. Yes
38b	S5.C.4.c.vi	Attach documentation of any maintenance delays. (S5.C.4.c.vi) Not Applicable

Number	Permit Section	Question
39	S5.C.4.d	<p>Provided copies of the Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity to representatives of proposed new development and redevelopment. (S5.C.4.d)</p> <p>Yes</p>
40	S5.C.4.e	<p>All staff responsible for 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.4.e)</p> <p>Yes</p>
42	S5.C.4.g	<p>Participated and cooperated with the watershed-scale stormwater planning process led by a Phase I county. (S5.C.4.g)</p> <p>Not Applicable</p>
43	S5.C.5.a	<p>Updated and implemented maintenance standards as protective, or more protective, of facility function as those specified in Chapter 4 of Volume V of the Stormwater Management Manual for Western Washington (as amended 2014). (Required no later than December 31, 2016, except no later than June 30, 2017 for Permittees in Lewis and Cowlitz counties, and no later than June 30, 2018 for the City of Aberdeen, S5.C.5.a).</p> <p>Yes</p>
44	S5.C.5.a	<p>Applied a maintenance standard that is not specified in the Stormwater Management Manual for Western Washington.</p> <p>Not Applicable</p>
45	S5.C.5.a.ii	<p>Performed timely maintenance per S5.C.5.a.ii.</p> <p>Yes</p>
46	S5.C.5.b	<p>Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)</p> <p>Yes</p>
46b	S5.C.5.b	<p>Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)</p> <p>54</p>
46c	S5.C.5.b	<p>Number of facilities inspected during the reporting period. (S5.C.5.b)</p> <p>54</p>
46d	S5.C.5.b	<p>Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b)</p> <p>25</p>
47	S5.C.5.b	<p>If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.5.b.</p> <p>Not Applicable</p>

Number	Permit Section	Question
48	S5.C.5.c	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.5.c. Yes
49	S5.C.5.d	Inspected all municipally owned or operated catch basins and inlets as per S5.C.5.d, or used an alternative approach. (Required once no later than August 1, 2017 and every two years thereafter, except once no later than June 30, 2018 and every two years thereafter for the City of Aberdeen) Yes
49b	S5.C.5.d	Number of known catch basins. 2286
49c	S5.C.5.d	Number of catch basins inspected during the reporting period. 1600
49d	S5.C.5.d	Number of catch basins cleaned during the reporting period. 387
50	S5.C.5.d.i-ii	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.5.d.i or ii) Not Applicable
51	S5.C.5.f	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.5.f) Yes
52	S5.C.5.g	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.5.g.) Yes
53	S5.C.5.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.C.5.h) Yes
54	S7.A	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A) Yes
55	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) Saved Document Name: Item 55 Swamp Creek TMDL actio_55_03282019074713

Number	Permit Section	Question
56	S8.A	Attach a description of any stormwater monitoring or stormwater-related studies as described in S8.A. Not Applicable
57	S8.B.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for status and trends monitoring. (S8.B.1) Yes
58	S8.C.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for effectiveness studies. (S8.C.1) (Required to begin no later than August 15, 2014) Yes
59	S8.D.1	Contributed to the RSMP for source identification and diagnostic monitoring information repository in accordance with S8.D.1. (Required to begin no later than August 15, 2014) Yes
60	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
61	G3	Number of G3 notifications provided to Ecology. 6
62	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A. Yes
63	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) Yes
64	S4.F.3.a	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a. Not Applicable
65	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
66	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) Yes
67	G20	Number of non-compliance notifications (G20) provided in reporting year. 2

Number Permit Section Question

67b

G20

List the permit conditions described in non-compliance notification(s).

• S5.C.4.c.iii, Annual inspections of all stormwater treatment and flow control BMPs/facilities; S5.C4.c.v, Compliance with the inspection requirements; and S5.C.5.b, Annual inspection of all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities – original G20 letter dated March 23, 201. • S7A, Compliance with Total Maximum Daily Load Requirements for 2017– G20 letter dated November 2, 2018.

Attachments:

View Files Attached to Submission

	DocDescr	DocName	DocExt	DocID	SubID	AppName
<input type="button" value="View"/>	WAR045531_1_03282019071920	2019_MLT_SWMP_1_03282019071920	.pdf	789739	1667462	wqwebportal
<input type="button" value="View"/>	WAR045531_20_03282019073257	Item 20 IDDE incident descript_20_03282019073257	.pdf	789744	1667462	wqwebportal
<input type="button" value="View"/>	WAR045531_5_03282019072813	Item 5 Public education and ou_5_03282019072813	.pdf	789743	1667462	wqwebportal
<input type="button" value="View"/>	WAR045531_55_03282019074713	Item 55 Swamp Creek TMDL actio_55_03282019074713	.pdf	789746	1667462	wqwebportal

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Item #5: Description of public education and outreach efforts conducted per S5.C.1.a.i and ii.

The City of Mountlake Terrace (MLT) stormwater education and outreach program is set up to connect people and organizations with the potential to affect surface water quality within the City limits. Attendance at activities and programs is tracked, and staff periodically requests feedback from the community as to what programs and services are most beneficial. The City monitors activity levels on the stormwater web page and receives and reviews comments regarding stormwater issues submitted through Facebook and Twitter. The table below summarizes public education and outreach activities conducted in 2018:

Program	Target Audience	Goal and/or Behaviors Promoted
Puget Sound Spill Kit Program (ECOSS)	Businesses, multi-family housing	Builds awareness about how to prevent illicit discharges through use of BMPs and how to clean them up if they occur.
Low Impact Development (LID) outreach and plan review	Engineers, contractors, developers, homeowners	Increases implementation of Low Impact Development (LID) through easy-to-use guidelines and checklists which are readily available on the City website. Explanation of LID guidelines are part of the pre-application process for potential development within city limits. Plan review at the land use and civil review stages also helps explain and enforce LID consistently for new development and redevelopment.
Collaboration with Snohomish Health Department on business inspections to prevent illicit discharges	Businesses	Educates and provides technical assistance on proper storage and disposal of hazardous wastes, including prevention of illicit discharges and good external housekeeping
School stormwater pollution prevention education (with Snohomish Conservation District)	Schoolchildren	Awareness and appreciation of stormwater pollution prevention, taught at an age-appropriate level. Delivered to 7 schools and over 400 kids in Mountlake Terrace, with curriculum including tracing of the hydrologic cycle, proper pet waste disposal, the salmon life cycle, and water quality monitoring including an interactive activity with benthic macroinvertebrates.
Mountlake Terrace-specific pollution prevention outreach materials	General public	Spill reporting hotline refrigerator magnets, proper pet waste disposal signs at parks around the city, “Keep MLT Tidy” pet waste disposal bag containers.
Summer festival outreach	General public	Staff outreach on proper pet waste disposal, with posters, educational flyers, one-on-one discussions at the MLT booth, and a giveaway of pet waste disposal bag containers.
City newsletter, press releases, coverage by MLT News	General public	Provides opportunities to become involved in stewardship activities, how to prevent illicit discharges, and proper disposal of pet waste. Alerts citizens that they have the opportunity to provide input and feedback on the update of the stormwater comprehensive plan and the LID code update.
City web pages	General public, contractors, developers,	Provides a current and quickly updateable way to share public education and outreach on a range of stormwater issues.

	planners, and businesses	
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In addition to maintaining all existing programs and activities described above, the City:

- Actively participates in STORM (Stormwater Outreach for Regional Municipalities.)
- Is a contributing member of the North Sound and Eastside Permittee Coordination Groups
- Continues to provide stewardship opportunities and partner with other organizations to encourage residents to participate in activities such as the storm drain curb marker program and riparian invasive plant removal events.

Item #8 Descriptions of opportunities for public participation

The City continues to participate in a cooperative effort with the Cities of Edmonds and Lake Forest Park for management of the Lake Ballinger watershed, known as the Lake Ballinger / McAleer Creek Watershed Forum. Through the Forum, staff work on issues of importance to the overall watershed, including flood reduction, collection of new water quality and water quantity information, and sharing information about ongoing efforts on Lake Ballinger with Forum participants. In January 2019, Mountlake Terrace was awarded a \$42,000 grant from Ecology control invasive aquatic weeds (including Eurasian Milfoil, Fragrant Water Lily, and Curly Leaf Pondweed) based on their 2018 Integrated Aquatic Vegetation Management Plan. The plan was developed with a citizen steering committee and consultant technical assistance. The grant also supports a free public workshop on manual methods of controlling invasive aquatic weeds, to be held in spring 2019.

The City invites the public to review and comment on the City's Stormwater Management Program Plan (SWMP Plan) on the City's web home page. Comments from the public are welcome at any time throughout the year, and the stormwater program manager's phone number and email are posted on the city website. Link to the stormwater public involvement and education section of the city website is here: <http://wa-mountlaketerrace.civicplus.com/369/Public-Involvement-Education> Other opportunities for the public to provide input on the SWMP were provided through City Council work sessions and public outreach associated with the 2018 Stormwater Comprehensive Plan update (completed December 2018.)

Item # 20: Description of IDDE actions according to required timeline per S5.C.3.d.iv.

Date reported	Location	Location name	Pollutant identified, estimated volume	Response	Correction/elimination method	ERTS #	Final resolution date	Investigation notes
2/14/2018	6404 216th St SW, Mountlake Terrace, WA 98043	Numotion	2-3 gallons paint spilled on pavement	Immediate	Education/technical assistance	N/A	2/14/2018	Employee spilled 2-3 gallons of paint in parking lot. MLT O&M staff were able to intercept paint and clean it up before it got into the MS4. Met with property manager 2/15/2018, explained proper BMPs for paint disposal and wheelchair washing, described enforcement process for noncompliance.
3/17/2018	23200 48th Ave W, Mountlake Terrace, WA 98043	Street next to Candy Cane Park	Vehicle oil (drips)	Immediate	No action needed	N/A	3/17/2018	Leaky vehicle dripped a few drops of motor oil on pavement, oil did not reach catch basin. The drips were immediately cleaned up by MLT O&M staff.
3/19/2018	21305 48th Ave W, Mountlake Terrace, WA 98043	Axis Condominiums	Swimming pool water with chlorine (estimated 23,000 gallons)	Immediate	Education/technical assistance, verbal notice	679971	3/19/2019	Pool repair contractor pumped approximately 23,000 gallons of chlorinated pool water (the water had been sitting several months) into nearby storm drain which eventually led to Scriber Creek. Warned contractor that a repeat offense would result in a fine or other penalties.
5/9/2018	6009 244th St. SW, Mountlake Terrace, WA 98043	Cinebarre Theatres	Food waste, garbage, and oil (3 gallons vegetable oil)	Immediate	Education/technical assistance, written warning	N/A	6/20/2018	Dumpster/trash compactor doors were left open, birds were observed flying in and out of the doors, and there was a lot of garbage on the ground in the trash receptacle area. Also, oil recycling containers were leaking vegetable oil on the pavement nearby. Met manager on site, described cleanup actions, and sent 2 correction letters. Re-inspected the site, the required corrections had been made.
8/27/2018	5601 244th Ave SW, Mountlake Terrace, WA 98043	Gateway Auto Repair	Vehicle fluids and grit. (no volume estimate available)	Immediate	Education/technical assistance, written warning	683624	9/7/2018	Owner of Gateway Auto Repair had been periodically washing his auto bay into the street. Required cleaning of the pavement and right of way catch basin. Owner initially refused to comply with requests to clean the catch basin in the street ROW where the waste from the auto bay was deposited. Owner was informed that if he did not clean the catch basin, he would be subject to a cost recovery fee for cleaning of \$250. This was sufficient incentive for him to address the problem.
9/20/2018	6021 244th St. SW, Mountlake Terrace, WA 98043	Terrace Station construction site	Hydraulic oil (2 gallons)	Immediate	No action needed	684143	9/20/2018	Due to a mechanical failure on a line truck, 2 gallons of hydraulic oil spilled to roadway and to a small amount of dirt. Absorbents were put on the roadway and a crew was dispatched to pick them up when saturated, the dirt was removed and disposed of properly. The incident was handled immediately by the construction company, and no spill to water occurred.
11/1/2018	21718 66th Ave W., Mountlake Terrace, WA 98043	West Coast Collision	2 cubic feet of soil mixed with drinking water	Immediate	No action needed	685054	11/1/2018	A 12-inch water main developed a leak, and soil from around the pipe was washed down the street into catch basins connected to Hall Creek. The water main break was fixed within 30 minutes of being reported. The spill probably was no more than 2 cubic feet of soil (maximum).
12/7/2018	6021 244th St. SW (Umpqua Bank), Mountlake Terrace, WA 98043	Terrace Station construction site	Approximately 251,000 gallons mixed with soil	Immediate	Education/technical assistance	685789	12/7/2018	Sierra Construction uncovered an undersized and non-standard thrust block in the process of connecting to an 8-inch water line. Once the thrust block was uncovered, the water pressure was sufficient to dislodge the thrust block and cause a water line break. Construction staff on site noticed the problem nearly immediately and worked to fix the break within 80 minutes.
12/30/2018	NW corner of 234th St. SW & 56th Ave W.	NW corner of 234th St. SW & 56th Ave W.	Sewage (estimated 100 gallons)	Immediate	No action needed	686315	12/30/2018	Sewer obstruction caused by grease and debris from neighboring properties getting stuck in the sewer line. Sewer backup caused sewage to flow out of the top of a manhole and along curb line to catch basin in street at corner of 234th St. SW and 56th Ave W. MLT O&M responded to incident immediately when reported at 2PM, and estimated that the problem had been going on for an hour. They were able to clear the line blockage, and then sewage was removed from downstream catch basins and manholes by vactor truck.

Item #55: Summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s) (S7.A)

Name of TMDL	Swamp Creek
EPA Approved Document(s) for TMDL	<i>Swamp Creek Fecal Coliform Bacteria Total Maximum Daily Load: Water Quality Improvement Report and Implementation Plan, June 2006, Ecology Publication No. 06-10-021. http://www.ecy.wa.gov/biblio/0610021.html</i>
Location of Original 303(d) Listings	WA-08-1060
Area Where TMDL Requirements Apply	Requirements apply in all areas regulated under the Permittees municipal stormwater permit and draining to the portion of the WASWIS segment SM74QQ starting at the confluence with the Sammamish River and including all upstream tributaries contributing to the Swamp Creek segment of WASWIS GJ57UL.
Parameter	Fecal Coliform
EPA Approval Date	August 16, 2006
MS4 Permittee	Phase I Permit: Snohomish County Phase II Permit: Everett, Bothell, Lynnwood, Brier, Mountlake Terrace, Kenmore

The City of Mountlake Terrace has identified the entire area tributary to Swamp Creek within City limits. This area, which drains to Scriber Creek and then to Swamp Creek is the “high priority area” for activities addressing the fecal coliform TMDL described in the table above. Of the estimated 15,300 acres in the Swamp Creek watershed, approximately 196 acres (1.3 % of the land area) is in Mountlake Terrace.

Actions Required

Business Inspections

Requirement: Each Permittee shall inspect commercial animal handling areas and commercial composting facilities to ensure implementation of source control BMPs for bacteria.

There is one commercial animal handling area (a veterinary clinic) and no commercial composting facilities. The veterinary clinic was inspected for proper BMPs regarding animal waste. The inspection indicated that all cleaning (including floor mats) occurs within the building; that dumpster lids are kept closed, and that all animal waste is double-bagged and disposed of as solid waste.

Public Education and Outreach

Requirement: Each Permittee shall conduct public education and outreach activities to increase awareness of bacterial pollution problems and promote proper pet waste management activities.

The results of a prior pet waste web survey were used by the City to shape an approach to public education and outreach around awareness of bacterial water pollution and best practices for disposal of pet waste. In order to meet this requirement, City published articles about the risks associated with improper pet waste disposal in their citywide newspaper (City Happenings), developed content for the city website on the value of good pet waste disposal practices, produced signs encouraging proper pet waste management and put them up around the city in areas identified by the animal control specialist as

being popular with dog owners, and developed a pet-waste themed giveaway for summer festivals (a pet waste bag dispenser with the words “Keep MLT Tidy.”)

Operations & Maintenance

Requirement: Each Permittee shall install and maintain animal waste collection and/or education stations at municipal parks and other Permittee owned and operated lands reasonably expected to have substantial domestic animal (dog and horse) use and the potential for pollution of stormwater.

There are no City of Mountlake Terrace owned and operated lands that are reasonably expected to have dog or horse use in the high priority area. The City does provide pet waste disposal bags at the city’s dog park (in the Lyons Creek watershed.)

IDDE

Requirement: Permittees conducting IDDE-related field screening under S5.C.8 of the Phase I permit or S5.C.3 of the Western Washington Phase II permit shall screen for bacteria sources in any screened MS4 subbasins which discharge to surface waters in the TMDL area.

As part of routine IDDE outfall screening for illicit discharges and illegal connections, flow immediately upstream of a primary outfall to Scriber Creek (tributary to Swamp Creek) was sampled for common IDDE indicators on December 12, 2017. Temperature, pH, conductivity, and ammonia levels were all within acceptable levels, and the fecal coliform level was 12 CFU/100 ml. (estimated.)

Targeted Source Identification & Elimination

Requirement: Permittees shall implement source identification and elimination efforts (including water quality sampling) in the MS4 subbasins discharging to the high priority area no later than August 1, 2014.

The City of Brier has been monitoring collecting water quality samples from the locations designated as part of the joint Mountlake Terrace-Brier Ecology QAPP, approved in 2015. The results of the sampling (conducted by Brier) are in the attached table.

Surface Water Monitoring

Requirement: Each Permittee shall submit a draft revised QAPP to Ecology no later than February 2, 2015.

The 2015 QAPP has been followed during 2018, and the City of Brier collected all required samples. The data collected is summarized in the table on the next page.

2018 Swamp Creek TMDL Testing on Scriber Creek

Am Test Inc. Laboratories 13600 NE 126th Pl., Suite C, Kirkland, WA 98034 (425) 885-1664; www.amtestlab.com

Sites:	
Outfall source #1 - Fecal	Upstream of the junction with Swamp Creek
Outfall source #2 - Fecal	Replicate for Site 1
Outfall source #3 - Fecal	Downstream side of culvert at Scriber Creek crossing of Poplar Way
Outfall source #4 - Fecal	Upstream side of Scriber Creek crossing of Larch Way (212th)

Fecal levels in colonies per 100 ml sample (CFU / 100 ml)

Date	1/31/2018	2/21/2018	3/21/2018	4/18/2018	5/16/2018	6/20/2018	7/18/2018	8/15/2018	9/19/2018	10/17/2018	11/21/2018	12/19/2018
Collected by	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Outfall source #1	14	10	< 2	24	140	< 5			< 2			34
Outfall source #2	8	14	4	8	35	130	160	120	190	27	90	120
Outfall source #3	< 2	12	2	12	80	5	20	15	20	78	150	6
Outfall source #4	< 2	48	< 2	10	5	570	100	1500	72	44	110	20
Arithmetic Average	11	21	3	14	65	235	93	545	94	50	117	45
Controls												
Control sample #1	8	14	10	22	100	75	130	90	180	50	120	28
Control sample #2	24	38	28	26	110	55	52	140	62	120	130	90
Blanks												
Blank #1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Blank #2	< 1	< 1	< 1	< 1	< 1	< 1	< 1			< 1	< 1	< 1
Blank #3	< 1	< 1	< 1	< 1			< 1			< 1		