



Water Quality Program

Permit Submittal Electronic Certification

Permittee: DES MOINES CITY

Permit Number: WAR045511

Site Address: 21630 11TH AVE S
Des Moines, WA 98390

Submittal Name: MS4 Annual Report Phase II Western

Version: 1

Due Date: 3/31/2020

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 Draft Des Moines SWMP_2_03102020133624
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)	No
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))	S5.C.1.c Description_16a_03062020081713
20	S5.C.2	Did you choose to adopt one or more elements of a regional program? (S5.C.2)	Yes
20a	S5.C.2	If yes, list the elements, and the regional program.	Highline Stormwater Festival- Participating Jurisdiction ECOSS Regional Spill Kit Program - Participating Jurisdiction
21	S5.C.2	Attach a description of general awareness efforts conducted, including your target audiences and subject areas, per S5.C.2.a.i.	S5.C.2.a.i General Awareness_21_03062020154820

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
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.	S5.C.2.a.iii Stewardship Oppor_26a_03062020095253
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)	Through the City website, the public is invited to comment on the SWMP and provide comments in writing to City staff. Any comments are compiled and reviewed by a City Council Committee. Any changes to the SWMP by the Council Committee are incorporated into the SWMP and then implemented by City staff. Staff will create opportunities for the public to comment and be involved in the development of SMAP.
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.	http://desmoineswa.gov/308/Water-Quality-NPDES
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).	S5.C.4.b.i Outfall Inventory_30a_03102020132453
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. Describe actions in Comments field. (S5.C.5.b)	Yes Comment: City Currents Newsletter (Public Employees,Businesses, General Public);ECOSS Business Outreach (Businesses); Ongoing IDDE Training as Needed(Public Employees)
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.	Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments, Center for Watershed Protection, October 2004
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.)	15.4
36a	S5.C.5	Cite field screening techniques used to determine percent of MS4 screened.	The City has implemented a field screening methodology for illicit connections using "Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments", Center for Watershed Protection, October 2004.The City uses a measurement indicator for compliance, linear feet of MS4 pipes and ditches. The monitoring node approach is used for determining the screening point which represents a group of upstream assets.
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.)	69.98

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)	Posted the hotline telephone number of the City of Des Moines Website. http://desmoineswa.gov/206/Surface-Water-Management
39	S5.C.5	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.5.d.iii.	Yes
40	S5.C.5	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.5.e.	Yes
41	S5.C.5	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.5.f.	Yes
43	S5.C.6.	Implemented an ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii.	Yes
44	S5.C.6.	Revised ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii. (Required no later than June 30, 2022)	Not Applicable
45	S5.C.6.	Number of adjustments granted to the minimum requirements in Appendix 1. (S5.C.6.b.i. and Section 5 of Appendix 1)	0
46	S5.C.6.	Number of exceptions/variances granted to the minimum requirements in Appendix 1. (S5.C.6.b.i., and Section 6 of Appendix 1)	0
47	S5.C.6.	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.6.b.i. (S5.C.6.c.i)	Yes
47a	S5.C.6.	Number of site plans reviewed during the reporting period.	193
48	S5.C.6.	Inspected, prior to clearing and construction, permitted development sites per S5.C.6.c.ii, 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?	Yes
49	S5.C.6.	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls per S5.C.6.c.iii.	Yes
49a	S5.C.6.	Number of construction sites inspected per S5.C.6.c.iii.	78
49b	S5.C.6.	Inspected stormwater treatment and flow control BMPs/facilities and catch basins in new residential developments every 6 months per S5.C.6.c.iv?	Yes

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)	159
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.	S5.C.7.a.ii Time Frame Exceeda_59a_03102020145144
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)	213
63b	S5.C.7.	Number of facilities inspected during the reporting period.	213
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period.	81
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?	5119
66b	S5.C.7.	Number of catch basins inspected during the reporting period?	2200
66c	S5.C.7.	Number of catch basins cleaned during the reporting period?	587
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)	Yes
69a	S5.C.7.	Cite documentation in Comments.	Policy Adoption - King County Site Management Plan (SiMPla) SOP 4402

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
83	S8	Notified Ecology by December 1, 2019 which option you selected: S8.A.2.a, or S8.A.2.b.	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
85	S8	Notified Ecology by December 1, 2019 which option you selected: S8.B.2.a, or S8.B.2.b?	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
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.

City of _____

3/10/2020 3:22:54 PM

Signature

Date



Stormwater Management Program Plan

March 2020



Table of Contents

Introduction	3
Section 1: SWMP Management and Administration	3
Section 2: Stormwater Planning	3
Section 3: Public Education and Outreach	4
Section 4: Public Involvement and Participation	6
Section 5: MS4 Mapping and Documentation	6
Section 6: Illicit Discharge Detection and Elimination (IDDE)	6
Section 7: Controlling Runoff from New Development, Redevelopment and Construction Sites	8
Section 8: Pollution Prevention and Operations and Maintenance for Municipal Operations	9
Section 9: Source Control Program for Existing Development	10
Section 10: Monitoring and Assessment	10
Section 11: Reporting Requirements	10

Introduction:

This document has been prepared to meet the City of Des Moines' Western Washington Phase II Municipal Stormwater Permit requirement for written documentation of the City's Stormwater Management Program (SWMP).

The City's SWMP is intended to reduce the discharge of pollutants from the City's Municipal Separate Storm Sewer System (MS4) to the maximum extent practicable (MEP), meet Washington State, All Known, Available and Reasonable methods of Treatment (AKART) requirements, and protect water quality. This goal will be accomplished by the inclusion of all permit SWMP components and implementation schedules into the City's existing SWMP.

Where the City is already implementing components called for in this permit, the City will continue those actions or activities to the existing extent required, regardless of the schedule called for in this document.

The City will implement an ongoing program for the gathering, tracking, maintaining and using information to evaluate the SWMP development, implementation and permit compliance and to set priorities. This document will be updated annually for submittal with the City's Annual Report to Ecology.

2020 is the first full year of the approved 2019-2024 Permit. As such, this document will reflect the City's plans for the updated compliance requirements with the 2019-2024 Permit, as issued by Ecology.

Planned Actions for 2020

1: SWMP Management and Administration (Section S5.A)

The City plans to fully comply with the management and administration requirements as described in Section S5.A of the Permit. These requirements include, but are not limited to:

- Develop and implement the SWMP
- Annually update the SWMP Plan
- Track costs or estimated costs for implementing the SWMP
- Track inspection, enforcement and public education activities
- Continue to implement existing programs
- Coordination among Permittees

2: Stormwater Planning (Section S5.C.1)

- a. Inter-disciplinary Team (S5.C.1.a)

By August 1, 2020, the City will convene an inter-disciplinary team to inform and assist in the development, progress, and influence of the stormwater planning program. The City is contracting with a consultant, Parametrix, to support the formation of an Inter-Disciplinary Long-Range Planning Team.

b. Coordination with Long-Range Plans Update (S5.C.1.b)

In 2020 the City is contracting with a consultant, Parametrix, to provide two reports. The first describing how the City used stormwater management needs and protection/improvement of receiving water health to inform the planning update processes and influence policies and implementation strategies during the 2013-2019 permit term. The second describing how water quality is being addressed during this permit term (2019-2024) in updates to the Comprehensive Plan.

c. Low Impact Development Code-Enforcement (S5.C.1.c)

The City will continue to require LID Principles and LID BMPs when updating, revising, and developing new local development-related codes, rules, standards, or other enforceable documents, as needed. In 2020 the City will assess and document any newly identified administrative or regulatory barriers to implementation of LID Principles or LID BMPs since local codes were updated in accordance with the 2013 Permit, and the measures developed to address the barriers.

d. Stormwater Management Action Planning (SMAP) (S5.C.1.d)

In 2020 the City is making initial efforts to meet the Receiving Water Assessment requirement that is due by March 31, 2022. The City is participating with the Our Green Duwamish group in creation of a regional watershed mapping tool.

3: Public Education and Outreach Program (Section S5.C.2)

a. General Awareness (S5.C.2.a.i):

In 2020 the City plans to maintain the existing public education and outreach programs below:

- Distribution of education materials through various forms of media including, but not limited to, the City's website (www.desmoineswa.gov), quarterly citywide newsletters, municipal code, televised council meetings, and handout materials. Educational materials include information on septic system maintenance, oil leak

inspection, preservation of plants and trees adjacent to streams and wetlands, pet control and waste disposal, pesticide reduction, lawn fertilizer reduction, car washing tips, general stormwater education, volunteer opportunities, household BMPs, business BMPs, hazardous waste disposal, and many other topics.

- In 2020 the City of Des Moines is planning on continuing its partnership with the Environment Coalition of South Seattle (ECOSS) on the Puget Sound Spill Kit Program to provide selected businesses with free spill kits, training, and education on stormwater BMPs. By providing this service to the businesses the City will help build general awareness and encourage behavior change. Also, previously visited businesses will be re-visited in 2020 for post survey follow-ups. ECOSS will also be able to provide the City with measurable data for behavior change as survey questions will be asked during the initial and post visit.
- In 2020, the City is planning to continue its Car Wash Kit Program. Community car wash events are encouraged to use a “Car Wash Kit” available to check out from the City’s Public Works Department free of charge.
- In 2020, the City will pursue the continuation of the partnership with King County Hazardous Waste Program to visit businesses in the City that generate hazardous waste. Spill kits will be handed out as needed, information about stormwater BMPs, and hazardous waste storage and disposal tips will be given.
- In 2020, the City plans to support, host, and continue the planning towards the next Highline StormFest taking place. “This project will create and enhance the implementation of alternative stormwater education curriculum in high-risk school districts across the state. City of Burien and the StormFest Committee will organize and host a three 3-day Stormwater Festivals where all 6th grade students within Highline Public Schools can participate in hands-on stormwater education and activities encouraging behavior changes that assist local municipalities within the district in meeting their NPDES permit requirements.”

b. Evaluate Effectiveness of Ongoing Behavior Change (S5.C.2.a.ii)

- In 2020, the City plans to use the continued partnership with ECOSS to evaluate the effectiveness of ongoing behavior change on a region wide scale. By July 1, 2020 the City will conduct a new evaluation of the effectiveness this campaign, documenting lessons learned and recommendations for S5.C.2.a.ii.(c).

c. Stewardship (S5.C.2.a.iii):

The volunteer storm drain marking program will continue in 2020 and act as the primary stewardship program in the City.

The City plans to support additional stewardship events including an annual clean-up event, farmer's market visits, and Earth Day events.

4: Public Involvement and Participation (Section S5.C.3)

a. Opportunities for Public Participation (S5.C.3.a):

The city will continue to provide opportunities for public comment/input on the SWMP Plan. The SWMP Plan will be posted to the website for comments to be submitted.

b. Availability of Documents (S5.C.3.b):

In 2020, the annual report for this permit which is due March 31st and the SWMP Plan will be posted on the City website (www.desmoineswa.gov) no later than May 31st.

5: MS4 Mapping and Documentation (Section S5.C.4)

a. Ongoing Mapping (C5.4.a):

In 2020 the City will continue its ongoing GIS mapping of the MS4. The Stormwater Crews, who complete catch basin inspections will continue to highlight discrepancies between the map and the physical asset in the field. Also in 2020 the City will support its GIS mapping of new assets in the MS4 by refilling a vacated Surface Water Engineering Technician position; whose primary role will be improving and updating the City's GIS map.

b. New Mapping (C5.4.b):

The City has already begun collecting the size of all known outfalls meeting the January 1, 2020 deadline. The City will continue to collect size and material of these outfalls in addition to its normal routine mapping.

6: Illicit Discharge Detection and Elimination (IDDE) (Section S5.C.5)

a. IDDE Reporting & Correcting (S5.C.5.a):

The City will continue to use the procedures currently in place for reporting and correcting or removing illicit connections, spills, and other illicit discharges when they are suspected or identified.

b. IDDE Public Awareness & Notification (S5.C.5.b):

The City will continue to inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. The City encourages citizens to call the Public Works Department at 206-870-6523; police department non-emergency number at 206-878-3301 to report illicit discharges and spills. These phone numbers are publicly listed on the City website and through various other means of outreach.

c. IDDE Ordinance (S5.C.5.c):

Existing Codes will be maintained with no planned changes in 2020. The City adopted an IDDE Ordinance in compliance with the permit requirement, effective September 12, 2009. This ordinance is codified as Chapter 11.20 of the Des Moines Municipal Code.

d. Ongoing IDD&E Action Program (S5.C.5.d):

In 2020 the City plans to maintain the existing IDDE programs below:

- IDDE Field Screening: The City has implemented a field screening methodology for illicit connections using *“Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments”*, Center for Watershed Protection, October 2004. This field screening methodology will be documented in the Annual Report. The City has developed a program to meet the field screening requirements, at least 12% of the MS4 will be screened in 2020. The approach of dry weather field screening monitoring nodes will be used to complete the screening.
- In 2020, the City will maintain the ongoing IDDE Action Program. The City is currently using IDDE procedures from the *“Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments”* to characterize the nature and environmental threat posed by illicit discharges and also to trace the source of illicit discharges. Procedures for eliminating the source of discharges are currently being developed. When the City or the investigations agency determines surface water quality pollution has occurred, a notice is sent to the property owner stating the problem be remedied within a time frame listed in out code. The cleanup and enforcement depend on severity of the spill.

e. Training (S5.C.5.f):

The City’s NPDES Coordinator is the lead for identification, investigation, termination, cleanup, and reporting illicit discharges; including spills, improper disposal and illicit connections. IDDE training is currently accomplished through the EXCAL VISUAL training video *“IDDE: a grate concern”*. The City will continue to implement IDDE training as needed in

2020. Follow-up training will be provided as needed to address changes in procedures, techniques or requirements. All training records (including course information and the staff training) will be documented and maintained in Microsoft Access.

f. Recordkeeping (S5.C.5.g):

The City will track and maintain records of the activities conducted to meet the requirements of this section. City staff will continue to evaluate and improve the IDDE program based on experience, lessons learned, and feedback from public education efforts. The Cityworks asset management program is used as the primary record keeping platform for spill response. Microsoft Access is used as the primary record keeping platform for training records.

7: Controlling Runoff from New Development, Redevelopment and Construction Sites (Section S.5.C.6)

a. Ordinance (S5.C.6.b.iii):

The City will maintain the existing program designed to reduce pollutants in stormwater runoff to the MS4 from new development, redevelopment and construction site activities. The City adopted the 2016 King County Surface Water Design Manual (KCSWDM) as the Surface Water Design Manual for the City of Des Moines: DMMC 16.10.350.

b. Local Program for New Development (S5.C.6.c):

The City will maintain the existing permitting process with plan review, inspection and enforcement capability to meet the standards listed in i. through viii, in the permit under section S5.C.6.c, for both private and public projects, using qualified personnel.

c. Long-term Operation and Maintenance (S5.C.6.c.iv):

The City will maintain the existing program to ensure inspection and maintenance of private facilities in new residential developments are being performed.

d. Availability of NOIs (S5.C.6.d):

The City's Community Development Department will continue to make available copies of the "Notice of Intent for Construction Activity" and copies of the "Notice of Intent for Industrial Activity" to representatives of proposed new development and redevelopment. The City enforces local ordinances controlling runoff from sites that are also covered by stormwater permits issued by Ecology.

e. Training (S5.C.6.e):

The existing training program per S5.C.6.e will be maintained. Trainings will be conducted in house and by other agencies, such as the Department of Ecology and the Washington Stormwater Center.

8: Municipal Operations and Maintenance (Section S5.C7)

a. Maintenance Standards (S5.C.7.a):

Existing maintenance standards will remain established in 2020. The City has adopted the 2016 King County Surface Water Design Manual (KCSWDM) for maintenance standards for all publicly owned facilities: DMMC 16.10.350.

b. Maintenance of Stormwater Facilities regulated by the Permittee (S5.C.7.b):

The City will continue to inspect and require timely maintenance of stormwater treatment and flow control BMPs/facilities that fall under this permit section.

c. Maintenance of Stormwater Facilities owned by the Permittee (S5.C.7.c):

The City plans to maintain its ongoing program for annual inspection and maintenance of municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. No changes or additions will be made to the post-storm inspection program in 2020. The City plans to inspect half of all known catch basins and inlets owned by the City in 2020. City crews are inspecting with I-Pads in the field and scheduling required maintenance as needed. The City will continue to use its asset management program, Cityworks, to track inspections associated with this section of the permit.

d. Reducing Stormwater Impacts (S5.C.7.d):

The City will continue to use the adopted King County Site Management Plan as the City's practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the City.

e. Training (S5.C.7.e):

Training under this section will continue on an as needed basis.

f. Stormwater Pollution Prevention Plan (SWPPP) (S5.C.7.f):

The City's Planning, Building and Public Works Department developed and implemented a Stormwater Pollution Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or

operated by the City. The SWPPP includes periodic visual observation of discharges from the facility to evaluate effectiveness of BMPs.

g. Recordkeeping (S5.C.7.g):

No changes to the existing record keeping program will be made in 2020.

9: Source Control Program for Existing Development (Section S5.C8)

a. Implement a Program to Prevent & Reduce Pollutants (S5.C.8.a)

The City will continue to use ECOSS for existing development education in 2020. A source control program will be developed by the deadlines set in the permit.

10: Monitoring and Assessment (Section S8)

a. Reporting:

The City will provide any monitoring or stormwater-related studies conducted by the City during the reporting period in the annual report.

b. Regional Status and Trends Monitoring:

The City shall pay \$5,104 into a collective fund to implement RSMP small streams and marine nearshore status and trends monitoring in Puget Sound. The payment into the collective fund is made annually to Ecology.

c. SWMP Effectiveness and Source Identification Studies:

The City shall pay \$9,329 into a collective fund to implement RSMP effectiveness studies. The payment into the collective fund is made annually.

Section 11: Reporting Requirements

- a. No later than March 31st of 2020, the City will submit an annual report. The reporting period for the annual report will be from January 1, 2019 through December 31, 2019. The City will submit annual reports electronically using Ecology's WQWebDMR.
- b. The City will continue to keep all records related to the Permit and the SWMP for at least five years.
- c. The City will continue to make all records related to the Permit and the City's SWMP available to the public at reasonable times during business hours. The City will provide a copy of the most recent annual report to any individual or entity, upon request.

- d. The 2019 annual report for the City will include the following.
1. A copy of the City's current SWMP Plan as required by S5A.2.
 2. Submittal of the annual report form as provided by Ecology pursuant to S9.A, describing the status of implementation of the requirements of the permit during the reporting period.
 3. Attachments to the annual report form including summaries, descriptions, reports, and other information as required, or as applicable, to meet the requirements of this permit during the reporting period. Refer to appendix 3 for annual report questions.
 4. If applicable, notice that the MS4 is relying on another governmental entity to satisfy any of the obligations under this permit.
 5. Certification and signature pursuant to G19D, and notification of any changes to authorization pursuant to G19.C.
 6. A notification of any annexations, incorporations or jurisdictional boundary changes resulting in an increase or decrease in the City's geographical area of permit coverage during the reporting period.

City of Des Moines - WAR045511

2019 Annual NPDES Report

Annual Report Question 16:

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)

Answer: Yes

Annual Report Question 16a:

If yes, describe the barrier(s) and the measures taken to address them. (S5.C.1.c.i(a))

Answer:

In 2019 a regulatory barrier was discovered in the existing City code pertaining to the use of Wheel Strip Driveways and Permeable Pavements as required per the City's adopted 2016 King County Surface Water Design Manual sections C.2.7. "Permeable Pavement" and C.2.9. "Reduced Impervious Surface Credit".

The regulatory barrier was found in Des Moines Municipal Code 18.210.170 Surface (from Loading Areas and Off-Street Parking chapter). The barrier language reads as follows:

(1) The surface of any required off-street parking or loading facility and accessory accessways (driveways) shall be paved with asphalt or concrete to a standard comparable to the standard for the public street providing access thereto and shall be graded and drained as to dispose of all surface water, but shall not drain across sidewalks.

On March 12th 2020 the City of Des Moines staff will be bringing Draft Ordinance 19-112 to the City Council for adoption. This Ordinance addresses minor code changes to the Des Moines Municipal Code including a revision (highlighted red) to section 18.210.170 to eliminate the barrier.

(1) The surface of any required off-street parking or loading facility and accessory accessways (driveways) shall be paved with asphalt or concrete to a standard comparable to the standard for the public street providing access thereto and shall be graded and drained as to dispose of all surface water, but shall not drain across sidewalks. Modifications for wheel strip driveways and permeable pavements pursuant to the City's adopted drainage standards may be considered.

City of Des Moines - WAR045511

2019 Annual NPDES Report

Annual Report Question 21:

Attach a description of general awareness efforts conducted, including your target audiences and subject areas per S5.C.2.a.i.

Answer:

Over the course of 2019 the City of Des Moines has continued existing programs for public education and outreach. The City has continued to develop and expand on the ways that general public awareness can be reached and also how additional behavior changes can be effected. The following list describes the city's efforts that were conducted throughout the 2019 year.

Highline Stormfest

Target Audience: General Public – School age children

Subject Areas: General impacts of stormwater and low impact development

Although a Stormfest was not officially held in 2019 this is an ongoing program that is designed to serve each year's 6th graders class. The 2019's class held their Stormfest in late 2018. StormFest is a two-day experiential, interactive, stormwater festival, was designed to teach Highline 6th graders about stormwater and watershed science as a fun, inquiry driven learning experience. Students are given pre and post surveys to measure understanding and behavior change.

StormFest is a coordinated effort between the municipalities in the Highline School District, including City of Burien, City of Des Moines, City of Normandy Park, City of SeaTac, and King County. Due to the highly diverse Highline population, the StormFest Committee made a dedicated effort to create inquiry based curriculum through an equity lens. All efforts were made to create an inclusive learning environment, including the provision of buses, interpreters, and translated materials.



StormFest will be an annual event for each class of Highline 6th graders. The next Stormfest is scheduled for June 2020.



City Currents Newsletter

Target Audience: General Public

Subject Areas: General impacts of stormwater

The City of Des Moines has a quarterly newsletter that is mailed to approximately 24,000 residents and businesses within the City of Des Moines. Below are the articles that were submitted to the article that were intended to create general awareness, behavior change, and promote stewardship activities.

- Spring 2019 – Car Wash Kit, Storm Drain Marking Volunteer
- Summer 2019 – Storm Drain Marking Volunteer, Pet Waste BMPs
- Fall 2019 – General Household Pollution Prevention, Septic System BMPs
- Winter 2019 – Pet Waste BMPs

ECOSS Business Outreach

Target Audience: Businesses

Subject Areas: General impacts of stormwater

The City has partnered with Environmental Coalition of South Seattle (ECOSS) to help educate, train, and deliver free spill kits to businesses in the City of Des Moines. “ECOSS is a nonprofit organization that encourages urban redevelopment and a healthy environment by providing education, resources and technical assistance to diverse businesses and communities in the Puget Sound region” (www.ecoss.org).

In 2019, 32 businesses were identified and served through these approaches. Of those businesses served during this period, 20 businesses received spill kits and 10 post-service surveys were

conducted, while 2 businesses declined service. ECOSS has served a total of 217 businesses in the City of Des Moines since 2013.

- Regionally, Business owners, managers and staff showed significant improvement of understanding where polluted stormwater runoff goes when it leaves their sites, as 91% reported knowing where stormwater goes after outreach, compared to 66% accuracy before outreach. This can be attributed to education, spill training and site-specific GIS maps provided by ECOSS outreach staff. Prior to outreach, only 14% of the businesses trained their staff on spill response, whereas 68% of the businesses conducted trainings for their staff as a result of ECOSS' visit. Since ECOSS' visit, 84% of the businesses have adopted spill prevention practices. Spill prevention practices might include:
 - Keeping dumpster lids closed
 - Sweeping or blowing parking lots instead of pressure washing
 - Using secondary containment
 - Keeping outdoor stored materials covered



King County Local Source Control Inspections

Target Audience: Businesses

Subject Areas: General impacts of stormwater

In 2019 King County offered to provide source control inspections for multiple businesses in Des Moines. A total of 51 businesses were inspected. Information regarding commercial BMPs are shared with businesses owners and staff during these inspections.

City of Des Moines - WAR045511

2019 Annual NPDES Report

Annual Report Question 26:

Promoted stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.2.a.iii.

Answer: Yes

Annual Report Question 26a:

Attach a list of stewardship opportunities provided.

Answer:

- Storm Drain Marker Program

During 2019 five groups/individual checked out stormdrain marker kits which included 350 markers. This program allows volunteers to learn more about the importance of stormwater and also provides an informational marker located next to stormdrains which also adds to general awareness. These markers can also lead to behavior change in the prevention of illicit discharges.



- Car Wash Kit Program:

The City has continued its carwash kit program in 2019 to continue education on the environmental impact and benefit of using car wash kits on the city's waterways and the Puget Sound. The City's Car Wash Kit Program has had 4 kits checked out during the 2019 calendar year. There are currently four kits available for organizations wanting to conduct fundraising

activities. The Car Wash Kit helps to prevent pollutants such as petroleum products, pesticides and animal waste, from being discharged into Puget Sound.



City of Des Moines - WAR045511

2019 Annual NPDES Report

Annual Report Question 30a - Attach a spreadsheet that lists the known outfalls' size and material(s).

Outfall Point - Attributes		Outfall Pipe - Attributes	
Outfall Asset ID	Diameter (inches)	Diameter (inches)	Material
DP00000009	12	12"	CPEP
DP00000011	12		
DP00000012	12		
DP00000013	12		
DP00000015	12		
DP00000018	12		
DP00000020	12		
DP00000021	12		
DP00000022	12		
DP00000023	12		
DP00000024	12		
DP00000025	12		
DP00000026	12		
DP00000027	12		
DP00000028	12		
DP00000029	12		
DP00000030	12		
DP00000031	12		
DP00000032	18		
DP00000033	18		
DP00000034	12		
DP00000035	12		
DP00000036	12		
DP00000037	12		
DP00000038	12		
DP00000039	12		
DP00000040	12		
DP00000041	12		
DP00000043	14		
DP00000044	6		
DP00000045	16		
DP00000046	14		
DP00000047	16		
DP00000051	12		
DP00000061	12		
DP00000062	12		
DP00000068	36		
DP00000069	24		
DP00000071	36		
DP00000074	48	12"	CPEP
DP00000078			
DP00000080	16		
DP00000081			
DP00000083	30		
DP00000088	12	12"	Corrugated Metal
DP00000089	12	12"	CPEP
DP00000092			
DP00000093			
DP00000096	12		
DP00000097	24	24"	CPEP
DP00000098	12	24"	CPEP
DP00000101	16	18"	CPEP
DP00000102	12		

DP00000105	12		
DP00000107	12	18"	Concrete
DP00000113			
DP00000115	16	12"	Concrete
DP00000118	48		
DP00000123			
DP00000134	12		
DP00000135	6		
DP00000144	36		
DP00000145	36		
DP00000146	12		
DP00000148			
DP00000149			
DP00000150	6		
DP00000151			
DP00000153	16		
DP00000155	12	12"	CPEP
DP00000158	12		
DP00000159	12		
DP00000162	12	12"	CPEP
DP00000165		8"	Smooth PVC
DP00000166		8"	Smooth PVC
DP00000167			
DP00000168			
DP00000169			
DP00000170			
DP00000172			
DP00000174			
DP00000176			
DP00000178			
DP00000179		12"	CPEP
DP00000183			
DP00000186			
DP00000187			
DP00000189			
DP00000190			
DP00000191			
DP00000193			
DP00000194			
DP00000195		12"	CPEP
DP00000197			
DP00000198			
DP00000201			
DP00000203		6"	Smooth PVC
DP00000205			
DP00000206			
DP00000207		12"	Smooth PVC
DP00000210			
DP00000213		6"	Smooth PVC
DP00000214			
DP00000216			
DP00000217			
DP00000223			
DP00000224		12"	CPEP
DP00000225			
DP00000226			
DP00000229			
DP00000230			
DP00000231			
DP00000232		12"	CPEP
DP00000235			
DP00000236		12"	Corrugated Metal

DP00000237			
DP00000241		12"	CPEP
DP00000242			
DP00000245			
DP00000246			
DP00000251			
DP00000252			
DP00000254			
DP00000255			
DP00000256		12"	Concrete
DP00000257			
DP00000258			
DP00000259			
DP00000122	16	12"	Concrete
DP00000234		24"	Concrete
DP00000185			
DP00000160	12		
DP00000141	12		
DP00000143	12		
DP00000171			
DP00000070	36		
DP00000053	16	12"	CPEP
DP00000073	16		
DP00000293			
DP00000261		12"	CPEP
DP00000152	3		
DP00000057	36	12"	Smooth PVC
DP00000295			
DP00000056	12		
DP00000287		24"	CPEP
DP00000084			
DP00000099	16	8"	CPEP
DP00000103	12	12"	CPEP
DP00000184		12"	CPEP
DP00000238		12"	Concrete
DP00000163	10	24"	Corrugated Aluminum Pipe
DP00000262		12"	Perforated PVC
DP00000182			
DP00000181			
DP00000177			
DP00000066	12		
DP00000173			
DP00000048			
DP00000050	12		
DP00000260			
DP00000058	36		
DP00000059	36		
DP00000060	36		
DP00000301		8"	Corrugated Aluminum Pipe
DP00000302		8"	CPEP
DP00000303		8"	Smooth PVC
DP00000052	16	18"	CPEP
DP00000091	12		
DP00000124			
DP00000108			
DP00000164	12		
DP00000090	36		
DP00000192			
DP00000188		12"	CPEP
DP00000001	36		
DP00000042	36		
DP00000086	36		

DP00000239		12"	Concrete
DP00000085			
DP00000180			
DP00000215			
DP00000222			
DP00000010	12		
DP00000204		6"	CPEP
DP00000202		24"	CPEP
DP00000199			
DP00000200			
DP00000244		4"	Smooth PVC
DP00000196		4"	Smooth PVC
DP00000243		12"	Smooth PVC
DP00000218		12"	CPEP
DP00000017	12	12"	Smooth PVC
DP00000219		12"	CPEP
DP00000221		6"	CPEP
DP00000220		6"	Smooth PVC
DP00000175			
DP00000209		6"	Smooth PVC
DP00000208		6"	Smooth PVC
DP00000211		6"	Smooth PVC
DP00000212		12"	Smooth PVC
DP00000233		15"	Corrugated Aluminum Pipe
DP00000125	12	15"	Corrugated Aluminum Pipe
DP00000290			
DP00000291			
DP00000119	6	12"	CPEP
DP00000120	12	24"	Corrugated Aluminum Pipe
DP00000137			
DP00000138	12	48"	Unknown
DP00000247			
DP00000248		12"	CPEP
DP00000249			
DP00000250		18"	Coated CMP
DP00000240		12"	Concrete
DP00000055	12	12"	
DP00000131	12	12"	CPEP
DP00000313	10	10"	ADS
DP00000314	12	12"	ADS
DP00000300		8"	Smooth PVC
DP00000299		12"	CPEP
DP00000049	8	12"	Smooth PVC
DP00000263		30"	Corrugated HDPE
DP00000318		48"	Unknown
DP00000320	8	8"	Ductile Iron
DP00000104	18	18"	Corrugated HDPE
DP00000054	16	20"	CPEP
DP00000067	12	18"	CPEP
DP00000002	16	12"	
DP00000323	36	36"	Corrugated Aluminum Pipe
DP00000326	12	12"	Concrete
DP00000327	24	24"	High Density Polyethylene
DP00000330	12	12"	ADS
DP00000331	18	8"	Perforated CMP
DP00000332	18	18"	Concrete

2019 - NPDES Annual Report

Summary of Actions Taken to Characterize, Trace, and Eliminate Each Illicit Discharge Found by or Reported to the City in 2019.

For each illicit discharge, include a description of actions according to required timeline per SS.C.5.g

1. Jurisdiction name and permit number	2. Date incident discovered or reported to you	3. Date of beginning your response	4. Date of end of your response	5. How was the incident discovered or reported to you? (select all that apply)	6. Discharge to MS4? (select one)	7. Incident Location	8. Pollutants Identified (select all that apply)	9. Source or Cause (select all that apply)	10. Source tracing approach(es) used (select all that apply)	11. Correction/elimination methods used (select all that apply)	12. Field notes, explanation, and/or other comments
DES MOINES CITY (WAR045511)	1/3/2019	1/3/2019	1/3/2019	Staff referral	No - none found	620 S.239th ST, Des Moines	Unconfirmed, unspecified, or not identified	Unconfirmed, unspecified, or not identified	Not applicable	Other (Explanation required)	Completed the inspection, found no discharge evidence.
DES MOINES CITY (WAR045511)	1/7/2019	1/7/2019	1/7/2019	Direct report to your staff	No - cleaned up before reached MS4	24256 26th Pl S., Des Moines	Unconfirmed, unspecified, or not identified	Other accident/spill	Not applicable	Other (Explanation required)	Received multiple calls, have not confirmed pollutants in the private basin #7542
DES MOINES CITY (WAR045511)	1/14/2019	1/14/2019	1/15/2019	ERTS referral	No - cleaned up before reached	19807 10th Pl S., Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	Recology Cleanscapes has cleaned all oil from the spill.
DES MOINES CITY (WAR045511)	1/22/2019	1/22/2019	1/22/2019	Staff referral	Yes - notified Ecology	North of S.220th on East side of 24th, Des Moines	Unconfirmed, unspecified, or not identified	Unconfirmed, unspecified, or not identified	Not applicable	Other (Explanation required)	First heavy rain in a while, with water rushing through causing some turbidity. But not enough to transfer sediment or other heavy materials.
DES MOINES CITY (WAR045511)	1/24/2019	1/24/2019	1/24/2019	ERTS referral	No - cleaned up before reached	24043 19th AVE S., Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	3 cups of hydraulic fluid from a garbage truck
DES MOINES CITY (WAR045511)	1/29/2019	1/29/2019	2/1/2019	ERTS referral	No - cleaned up before reached	23600 Marine View Dr. S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	
DES MOINES CITY (WAR045511)	2/1/2019	2/1/2019	2/1/2019	Staff referral	Yes - did not notify	Along S 223rd St and 16th Ave S, Des Moines	Soap or cleaning chemicals	Unconfirmed, unspecified, or not identified	Map Analysis	Other (Explanation required)	Foam may have been caused by a residential homeowner pressure washing driveway or home exterior with a chemical cleaner in dry weather. Then it dried and the next rain event carried down the system.
DES MOINES CITY (WAR045511)	2/19/2019	2/19/2019	2/19/2019	ERTS referral	No - cleaned up before reached	24033 13th Pl S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	
DES MOINES CITY (WAR045511)	2/19/2019	2/19/2019	2/19/2019	ERTS referral	Unknown	710 S 234th Pl, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Other (Explanation required)	Self reported oil leak in driveway area. Sheen not recoverable.
DES MOINES CITY (WAR045511)	2/26/2019	2/26/2019	2/26/2019	ERTS referral	Yes - notified Ecology	22246 Pacific Highway, Des Moines	Sewage/septage/pet waste/human waste	Other accident/spill	Not applicable	Clean-up	Sewer District flushed out contaminants with there Vactor Truck
DES MOINES CITY (WAR045511)	2/28/2019	2/28/2019	3/4/2019	ERTS referral	No - cleaned up before reached	1916 S.224th Pl, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	Driver cleaned up small spill
DES MOINES CITY (WAR045511)	3/4/2019	3/4/2019	3/6/2019	ERTS referral	Yes - notified DOH and Ecology	Parcel # 0922049006 Next to trail under man bridge.	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Referred to other agency or department	De-icer from airport. Referred to Port of Seattle. No evidence of contamination.
DES MOINES CITY (WAR045511)	3/4/2019	3/4/2019	3/4/2019	Pollution hotline (phone, web, app)	No - cleaned up before reached	22855 Pacific Highway, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	Oil spill covered with absorbant
DES MOINES CITY (WAR045511)	3/28/2019	3/28/2019	3/28/2019	Staff referral	Yes - notified Ecology	Sound View Dr S and 5th Pl S, Des Moines	Other wastewater	Model business	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Residue/fiber/hair indicators of mobile carpet cleaning dumping. Vactor truck cleaned out basin
DES MOINES CITY (WAR045511)	3/25/2019	3/28/2019	3/28/2019	Staff referral	Yes - did not notify	1812 S 260th St, Des Moines	Food-related oil/grease	Intentional dumping	Observation (color/sheen/turbidity/floatables/odor)	Enforcement	Grease pans found next to home. Warning letter placed on door.
DES MOINES CITY (WAR045511)	4/17/2019	4/17/2019	4/17/2019	ERTS referral	No - cleaned up before reached	20410 9th AVE S, Des Moines	Vehicle oil, fuel, or other lubricant	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Spill pad laid down and peat moss applied. No water impacts
DES MOINES CITY (WAR045511)	4/24/2019	4/24/2019	4/24/2019	ERTS referral	No - cleaned up before reached MS4	24000 16th Ave S east side of road, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	2 gallons of engine coolant was released to dirt on the side of the road during truck maintenance/repairs. No water impacts. Contaminated soil was shoveled.
DES MOINES CITY (WAR045511)	5/7/2019	5/8/2019	5/8/2019	Staff referral	Yes - did not notify	28303 Redondo Beach Dr., Des Moines	Unconfirmed, unspecified, or not identified	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance	Pressure washing
DES MOINES CITY (WAR045511)	5/16/2019	5/16/2019	5/20/2019	Staff referral	No - cleaned up before reached MS4	1457 Kent-Des Moines RD, southbound lane, Des Moines	Fuel and/or vehicle related fluids	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Crew absorbed sheen with Throw-N-Go and sprayed with neutralizer, containing the spill and preventing it from entering the MS4
DES MOINES CITY (WAR045511)	6/21/2019	6/21/2019	6/21/2019	ERTS referral	No - cleaned up before reached	22218 12th Ave S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Recology cleaned notified and cleaned up same day.
DES MOINES CITY (WAR045511)	6/28/2019	6/28/2019	6/28/2019	Direct report to your staff	Yes - notified Ecology	west of 20th ave s and s 211th st, Des Moines	Sediment/soil	Other accident/spill	Map analysis	Other (Explanation required)	Scour and erosion from pond outfall caused turbidity plumes in Des Moines Creek, natural causes.
DES MOINES CITY (WAR045511)	7/12/2019	7/12/2019	7/12/2019	Direct report to your staff	No - none found	Cold Creek - originating at 4th Ave S and S 295th Pl., Federal Way	Other wastewater	Other accident/spill	Not applicable	Referred to other agency or department	Water main break/ FW - "We'll have LUD vactor out impacted CBS within Federal Way on Monday and will forward to you any copies of WQ NOV letters and requirements that we issue."
DES MOINES CITY (WAR045511)	7/16/2019	7/16/2019	7/16/2019	ERTS referral	No - cleaned up before reached MS4	25713 16th Ave S, Des Moines	Sewage/septage/pet waste/human waste	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Midway Sewer cleaning up, no discharge to system. Contained in back yard

1. Jurisdiction name and permit number	2. Date incident discovered or reported to you	3. Date of beginning your response	4. Date of end of your response	5. How was the incident discovered or reported to you? (select all that apply)	6. Discharge to MS4? (select one)	7. Incident Location	8. Pollutants Identified (select all that apply)	9. Source or Cause (select all that apply)	10. Source tracing approach(es) used (select all that apply)	11. Correction/elimination methods used (select all that apply)	12. Field notes, explanation, and/or other comments
DES MOINES CITY (WAR045511)	7/15/2019	7/16/2019	7/16/2019	Pollution hotline (phone, web, app)	Unknown	26712 17th Pl S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance	Spoke with homeowners for properties adjacent to spill and informed them that the stormwater is untreated and that pollutants are likely to end up directly in the sound and to do their best to keep pollutants such as oil from entering the system.
DES MOINES CITY (WAR045511)	7/18/2019	7/18/2019	7/19/2019	Pollution hotline (phone, web, app)	Unknown	28010 10th Ave S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Notified crew, no rain in forecast for more than one week; they will clean up 07/19/2019 in the AM.
DES MOINES CITY (WAR045511)	9/3/2019	9/3/2019	9/3/2019	Other (Explanation required)	No - none found	22979 Marine View Dr S, Des Moines	Unconfirmed, unspecified, or not identified	Unconfirmed, unspecified, or not identified	Observation (color/sheen/turbidity/floatables/odor)	Other (Explanation required)	Chemical Odor reported in area near the shoreline that has a history of foul odor during summer months due to decaying seaweed along the shoreline. Field investigation did not find any odors.
DES MOINES CITY (WAR045511)	9/5/2019	9/5/2019	9/6/2019	Pollution hotline (phone, web, app)	No - none found	22815 30th Ave S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Cleanscapes - We laid down peat moss across the entire affected area (1/2 mile) and had two street sweepers come and run over the entire area over 10 times. We also pressure washed the sidewalk at the point of impact and reclaimed the contaminated water
DES MOINES CITY (WAR045511)	9/23/2019	9/24/2019	9/24/2019	ERTS referral	Unknown	26720 17th Pl S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Enforcement	Leaking vehicle. Warning letter sent
DES MOINES CITY (WAR045511)	10/29/2019	11/1/2019	11/1/2019	ERTS referral	No - cleaned up before reached	1614 S 258th St, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	
DES MOINES CITY (WAR045511)	11/2/2019	11/7/2019	11/7/2019	ERTS referral	Yes - notified Ecology	21401 Pacific Hwy S, Des Moines	Fuel and/or vehicle related fluids	Other accident/spill	Not applicable	Clean-up	
DES MOINES CITY (WAR045511)	12/4/219	12/5/2019	12/5/2019	ERTS referral	No - cleaned up before reached	2605 S 240th St, Des Moines	Paint	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	
DES MOINES CITY (WAR045511)	12/18/2019	12/18/2019	12/18/2019	Staff referral	Yes - did not notify	#7205400130	Paint	Construction activity	Observation (color/sheen/turbidity/floatables/odor)	Education/technical assistance	ESC inspector contacted subdivision foreman and informed that his painting subs weren't following BMPs. He acknowledge he would contact them and enforce.
DES MOINES CITY (WAR045511)	12/20/2019	12/20/2019	12/20/2019	Staff referral	Yes - notified Ecology	Woodmont Beach Dr S (9536600530)	Sediment/soil	Other accident/spill	Observation (color/sheen/turbidity/floatables/odor)	Clean-up	Site Cleanup Involved removing deposited sediment from roadway and creek. Conveyance and basin cleaning ongoing.
DES MOINES CITY (WAR045511)	12/20/2019	12/20/2019	12/20/2019	Pollution hotline (phone, web, app)	Yes - did not notify	S 256th Pl and 13th Pl S, Des Moines	Sewage/septage/pet waste/human waste	Other accident/spill	Not applicable	Referred to other agency or department	
DES MOINES CITY (WAR045511)	12/20/2019	12/20/2019	12/20/2019	Pollution hotline (phone, web, app)	Yes - did not notify	11th Ave S and S 252nd St, Des Moines	Sewage/septage/pet waste/human waste	Other accident/spill	Not applicable	Referred to other agency or department	

City of Des Moines - WAR045511

2019 Annual NPDES Report

Annual Report Question 59a:

Attach documentation of maintenance time frame exceedances that were beyond the Permittee's control.

During the 2019 permit cycle two work orders tracking catch basin maintenance timeframes indicated an exceedance of the maintenance time frame beyond the City's control.

Work Order #: WO 7748

Asset ID #: cb00005030

Inspected Date: 3/7/2019

Exceedance of Timeframe: "Due to inaccessibility"



Work Order #: WO 8216

Asset ID #: cb00001365

Inspected Date: 5/8/2019

Exceedance of Timeframe: "Gate locked, contractor not able to complete work as planned."



Washington Department of Ecology

Electronic Submission Cover Letter



WQWebSubmittal - Submittal Submission Id: 1710747 - 3/10/2020 3:22:55 PM

Company Name	Signer Name	System Name
City of Des Moines	Loren Reinhold, PE	WQWebPortal

Attachments:

Document Name Or Description	Document Name
Submitted Copy of Record for City of Des Moines	Copy of Record CityofDesMoines Tuesday March 10 2020
WAR045511_2_03102020133624	2020 Draft Des Moines SWMP_2_03102020133624
WAR045511_16a_03062020081713	S5.C.1.c Description_16a_03062020081713
WAR045511_21_03062020154820	S5.C.2.a.i General Awareness_21_03062020154820
WAR045511_26a_03062020095253	S5.C.2.a.iii Stewardship Oppor_26a_03062020095253
WAR045511_30a_03102020132453	S5.C.4.b.i Outfall Inventory_30a_03102020132453
WAR045511_42_03102020141846	S5.C.5.g IDDE Report_42_03102020141846
WAR045511_59a_03102020145144	S5.C.7.a.ii Time Frame Exceeda_59a_03102020145144

Attestation Agreed to at Signing:

I certify I personally signed and submitted to the Department of Ecology an Electronic Signature Agreement. I understand that use of my electronic signature account/password to submit this information is equal to my written signature. I have read and followed all the rules of use in my Electronic Signature Agreement. I believe no one but me has had access to my password and other account information.

I further certify: I had the opportunity to review the content or meaning of the submittal before signing it; and to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I intend to submit this information as part of the implementation, oversight, and enforcement of a federal environmental program. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment.

For Ecology Use Only



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