Fairfax County 2024 MS4 Program Plan and Annual Report

Appendix R11

Dry Weather Screening Report

VSMP Permit Number VA0088587
9-30-2024

Occurrence	StormNet	Results of Inspection	Follow-up Actions
1	STMN0102402414	No Exceedances	
2	STMN0111402029	No Exceedances	
3	STMN0111402138	No Exceedances	
4	STMN0154061094	No Exceedances	
5	STMN0154088997	No Exceedances	
6	STMN0154407949	No Exceedances	
7	STMN0154408073	Fluoride, Detergent, Chlorine, SPC Exceedances	Turned over to IDID on 11/29/23. On 12/1/23, IDID investigated and observed a recent small water line repair in the back parking lot of the office building. Upstream stormwater structures, Private Curb Inlet STMN0154085840 and FFX Curb Inlet STMN0154408072, had some standing water and very slight chlorine (0.15 mg/L). No issues were observed in the receiving private wet pond WP0001. The potable water line was repaired and there were no longer any issues with the waterline leaking. Potable water is an allowable discharge. Not an IDID.
8	STMN0163407458	No Exceedances	
9	STMN0163407466	SPC Exceedance	Turned over to IDID on 11/29/23. On 12/1/23, IDID investigated and observed some dark sediment and floc discharged from the outfall. Specific conductivity was slightly elevated (1039 uS/cm) due to the sediment in the receiving natural channel. A construction site for new home builds was observed next to the natural channel, but no deficiencies in silt fence and straw were observed and there was no evidence of any sediment discharged from the site. Sediment may have been discharged into the natural channel from private underground detention area (UG0429) at the shopping center. No evidence of an illicit discharge from the shopping Center. Not an IDID.
10	STMN0163407752	No Exceedances	
11	STMN0163514071	No Exceedances. Observed Flushing Action.	Turned over to IDID on 11/22/23. On 12/6/23, IDID investigated the potential source of the flushing action. MS4 Outfall STMN0163514071 discharges into WP0199. Water was observed in MS4 Outfall STMN0163514071, however it was difficult to observe if there was a flow, as the water was backed up into the outfall from WP0199. The water looked clear with no visible deposits or floatables and no odor. No flow was observed in upstream stormwater structures STMN0163514069, STMN0163514070 and STMN0163514067. No cooling tower or sump pump/foundation drain was observed in apartment property adjacent to MS4 outfall STMN0163514071. With lack of evidence a flushing action seen onsite on 12/6/23, there was no observation of an illicit discharge. Not an IDID.
12	STMN0164406740	No Exceedances	
13	STMN0164406767	No Exceedances	
14	STMN0164406807	No Exceedances	
15	STMN0171513747	No Exceedances	
16	STMN0173079611	Specific Conductance Exceedance	Turned over to IDID on 11/22/23. On 12/6/23, LilDID investigated and inspected upstream stormwater network from MS4 outfall STMN0173079611 including the two outfalls leading into DP021 (STMN0017308443 and STMN0173078499). STMN0017308443 and STMN0173078499 had light sediment and light flow. A sample was collected from MS4 outfall STMN0173079611 and all test parameters were within thresholds for screening parameters (Temperature- 11.3 C, pH-7.44, Sp. Conductivity-921 uS/cm, Fluoride- 0.32 mg/L, Chlorine- 0 mg/L). Light flow, sediment deposits and slightly elevated specific conductivity indicate that sediment is most likely being discharged into the MS4 from surrounding parking lots and roadways. There was no evidence of an illicit discharge from a single source of sediment. Not an IDID.
17	STMN0194007806	No Exceedances	
18	STMN0194008138	No Exceedances	
19	STMN0204064205	Fluoride and Chlorine Exceedances	Turned over to IDID on 12/8/23. On 12/13/23, IDID investigated and conducted inspections observed light flow with natural suds at MS4 outfall STMN0204064205. A sample was collected from the channel above MS4 outfall and had negligible chlorine (0.02 mg/L). Field samples collected at the MS4 outfall STMN0204064205 were all within thresholds set of screening parameters (Temperature-6.9 C, pH-7.06, Specific conductivity-176.1 uS/cm3). Flow was observed at upstream outfall STMN0204061909, however the two curb inlets (STMN020416451 and STMN020466327) leading to outfall STMN020461909 had no flow. Outfall STMN020461909 is located at the base of a hill and most likely collecting groundwater into the stormwater system to MS4 outfall STMN020406205. No evidence of an illicit discharge. Not an IDID.
20	STMN0204075854	No Exceedances	
21	STMN0204406674	No Exceedances	
22	STMN0242012756	No Exceedances	
23	STMN0244019866	No Exceedances	
24	STMN0244515329	No Exceedances	
25	STMN0271010456	No Exceedances	
26	STMN0271010726	No Exceedances	
27	STMN0271011330	No Exceedances	
28	STMN0271011779	No Exceedances	
29	STMN0271012599	No Exceedances	
30	STMN0271013310	No Exceedances	
31	STMN0284014879	No Exceedances	
32	STMN0284015328	Fluoride Exceedance	Turned over to IDID on 11/22/23. On 11/30/23, IDID investigated and inspected upstream stormwater structures from MS4 Outfall STMN0284015328. A light flow was observed in upstream stormwater structures STMN028401532, STMN0293015603, STMN0293015817, STMN0293015622, STMN0293015631, STMN0293015515, and STMN0293015363. At the end of the stormwater conveyance, a grate inlet with an underground pipe was observed. There was no flow observed from the underground pipe, but a disturbed irrigation box approximately 15 feet from the grate inlet was discovered, which could potentially be the source of the flow. A sample was collected at MS4 Outfall STMN0284015328, and all test parameters were within thresholds for screening parameters (Temperature- 6.7 C, pH-6.89, Sp. Conductivity- 716.4 uS/cm, Fluoride- 0.15 mg/L, Chlorine- 0.0 mg/L). No evidence of an illicit discharge was observed. Not an IDID.
33	STMN0293016090	No Exceedances	

34	STMN0293016317	No Exceedances. Pipe like structure contributing flow to MS4 outfall.	Turned over to IDID on 11/22/23. On 11/30/23, IDID investigated and completed a chlorine test resulting in 0.0 mg/L, indicating the water discharged into MS4 outfall STMN0293016317 was not from potable water. As-built plans for the stormwater facility WP0072 and inspection reports conducted by GKY were reviewed, and showed there were no pipe structures in previous plans or inspections. Turned over to MSMD to investigate further and determine the pipe structure into MS4 outfall STMN0293016317. No evidence of an illicit discharge. Not at IDID.
35	STMN0304412543	No Exceedances	
36	STMN0304412567	No Exceedances	
37	STMN0304412694	No Exceedances	
38	STMN0304412715	No Exceedances	
39	STMN0304412905	No Exceedances	
40	STMN0304413034	No Exceedances	
41	STMN0332025504	No Exceedances	
42	STMN0332025821	No Exceedances	
43	STMN0334027145	No Exceedances	
44	STMN0334028015	No Exceedances	
45	STMN0334029274	No Exceedances	
46	STMN0334030173	No Exceedances	
47	STMN0334505957	No Exceedances	
48	STMN0343026637	No Exceedances	
49	STMN0343027304	No Exceedances	
50	STMN0343030047	No Exceedances	
51	STMN0343506188	No Exceedances	
52	STMN0343516835	No Exceedances	
53	STMN0432505985	No Exceedances	
54	STMN0441517578	No Exceedances	
55	STMN0442033735	No Exceedances	
56	STMN0442036178	No Exceedances	
57	STMN0474039318	No Exceedances	
58	STMN0483425685	No Exceedances	
59	STMN0513074617	No Exceedances	
60	STMN0513074648	No Exceedances	
61	STMN0513420574	No Exceedances	
62	STMN0513420620	No Exceedances	
63	STMN0514420381	No Exceedances	
64	STMN0544047677	No Exceedances	
65	STMN0544048272	No Exceedances	
66	STMN0553056664	No Exceedances	
67	STMN0652048515	No Exceedances	
68	STMN0652048671	No Exceedances	
69	STMN0652048751	No Exceedances	
70	STMN0652048978	No Exceedances	
71	STMN0652049004	No Exceedances	
72	STMN0801455098	No Exceedances	
73	STMN0801455108	No Exceedances	
74	STMN0801455170	No Exceedances	
75	STMN0801455522	No Exceedances	
76	STMN0801455619	No Exceedances	
77	STMN0801455713	Copper Exceedance	Turned over to IDID on 12/6/23. On 12/7/23, IDID investigated and identified large accumulations of iron oxide on apron of the outfall. Testing determined that field measurements were within thresholds set for screening parameters (Temperature- 10.8 C, pH- 7.54, Sp. Cond- 326.5 uS/cm, Copper- 0.075 mg/L). No evidence of an illicit discharge. Not an IDID.
78	STMN0811453732	Copper Exceedance, Oily Sheen	Turned over to IDID on 12/6/23. On 12/7/23, IDID investigated and identified large accumulations of iron oxide on apron of the outfall. Testing determined that field measurements were within thresholds set for screening parameters (Temperature- 8.8 C, pH- 6.65, Sp. Cond- 389.6 uS/cm, Copper- 0.264 mg/L, Iron- >5 ppm). An oily sheen was observed at the pool below the outfall. When disturbed the sheen broke apart into pieces and stayed fragmented, indicating that it was most likely iron oxidizing bacteria. In addition, an oil test strip indicated there was no oily substance present. No evidence of an illicit discharge. Not an IDID.
79	STMN0901512633	No Exceedances	
80	STMN0901512681	No Exceedances	
81	STMN0903481869	No Exceedances	
82	STMN0903481880	No Exceedances	
83	STMN0903481894	No Exceedances	
84	STMN0904481691	No Exceedances	
85	STMN0904481832	No Exceedances	
86	STMN0904481837	No Exceedances	
87	STMN0912472549	No Exceedances	
88	STMN0912472755	No Exceedances	
89	STMN0912519039	No Exceedances	
90	STMN0913481333	No Exceedances	
91	STMN0913481341	No Exceedances	
92	STMN0913481380	No Exceedances	
93	STMN0914480094	No Exceedances	
94	STMN0914480125	No Exceedances	
95	STMN0914480211	No Exceedances	
96	STMN0923479970	No Exceedances	
97	STMN0923480027	No Exceedances	
98	STMN0981488940	No Exceedances	
99	STMN0981490066	No Exceedances	
100	STMN0981490069	No Exceedances	

101	STMN0981490097	No Exceedances	
102	STMN0981490208	No Exceedances	
103	STMN0983496403	No Exceedances	
104	STMN0992487831	No Exceedances	
105	STMN0992487851	No Exceedances	
106	STMN0993495189	No Exceedances	