

Fairfax County 2016 MS4 Program Plan and Annual Report

Appendix R5

List of Illicit Discharges Identified, the Source, a Description of Follow-Up Activities and Whether the Illicit Discharge Has Been Eliminated

VSMP Permit Number VA0088587
9-30-2016

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From July 1, 2015 to June 30, 2016, SWPD identified 42 illicit discharges to the County's MS4. The investigations are summarized below, and include those that are ongoing. Illicit discharges may also be identified through the County's Dry Weather Screening Program (discussed in more detail in section B. 2. I) 1) of this report).

IDID Number¹	Type	Source	Follow-Up Activities	Eliminated (Y/N)
48	Vehicle wash with detergent	Carwash	SWPD notified operator that the discharge is not allowed and sent car wash notice. Business no longer washing cars on property at reinspection.	Y
65	Other	Cooling tower, air conditioner and unknown	SWPD discovered discharge that tested high in conductivity, copper, phenols, detergents, fluoride and chlorine. The property manager tracked discharges to two cooling towers and eliminated discharge by plumbing to sanitary. Tracked a third source of flow to air conditioning condensate (allowable discharge). Currently searching for source of a discharge containing detergents SWPD discovered during a follow up visit.	N
89	Chlorinated swimming pool discharge	Oakton Swim & Racquet Club	SWPD investigated report of a smell chlorine from a stream and found chlorinated water in the storm drainage system. SWPD met with the managers of a community swimming pool and gave a deadline to resolve discharge of chlorinated backwash. The facility installed an "in-line remediation" system for the backwash line. SWPD analyzed a backwash sample after installation and found it sufficiently below the chlorine limit.	Y
90	Chlorinated swimming pool discharge	Indoor swimming pool	Health Department referred a possible discharge of pool water to a storm drain in the facility's pump room to SWPD. SWPD observed discharge of chlorinated backwash outside to a stormwater pond. SWPD issued a Corrective Action Notice. Facility installed filtration system in response to CAN. SWPD confirmed during two follow up inspections that the system lowered chlorine below 0.1 mg/L.	Y

¹ The identification number scheme changed during the reporting year as the IDID program transitioned from an Access database to a shared enterprise asset management (EAM) system for data management. Moving forward, identification numbers may continue to be non-sequential since EAM automatically assigns unique identification numbers as record are created by the multiple user groups in the system, not only IDID program users.

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IDID Number ¹	Type	Source	Follow-Up Activities	Eliminated (Y/N)
92	Fats, oils and grease (FOG)	Pizza & Gyro, Property Owner -Trimark	As part of ongoing monitoring of the shopping center, SWPD observed numerous issues including FOG, litter, overflowing dumpsters, and dumped wash water. SWPD informed the property management and requested clean up. SWPD reinspected and found partial compliance. SWPD issued a Corrective Action Notice to the property manager and one of the businesses. They complied with the CAN. The property manager has a continual monitoring plan and submits reports to the SWPD periodically.	Y
101	Fats, oils and grease (FOG)	Hokkaido Seafood Buffet	FMO notified SWPD and HD of garbage/grease in curb/storm inlet. SWPD issued Corrective Action Notices. SWPD reinspected and confirmed CAN requirements were met.	Y
104	Other	Hose discharging marble water into County maintained grate inlet	SWPD and Industrial Waste Section investigated. SWPD issued Corrective Action Notice. Pipe was connected to mop sink discharging to sanitary sewer to satisfy CAN.	Y
105	Other	Asphalt sealing performed by subcontractor	SWPD informed HOA and contractor of asphalt sealant in stream bed and requested clean up. DEQ was notified. SWPD issued Corrective Action Notice to a responsible subcontractor. Subcontractor submitted remediation plan. SWPD reinspected until site fully remediated.	Y
109	Chlorinated swimming pool discharge	HOA swimming pool backwash water	SWPD inspected the site with the pool management company and issued a Corrective Action Notice. DEQ was notified. Property owner connected discharge to sanitary sewer, and SWPD confirmed through final inspection.	Y
111	Other	Public swimming pool	While investigating a reported discolored discharge, SWPD discovered discharge of chlorinated backwash and requested that it be stopped. SWPD reinspected and confirmed backwash water is now treated to remove chlorine.	Y
114	Other	Paint brush washing at 8500 Wild Spruce Dr., Springfield	MSMD and SWPD investigated and reported paint dumping to FMO. Haz Mat pumped contaminated water paint into sanitary. SWPD issued Notice of Violation to contractor. DEQ was notified.	Y
115	Industrial waste	Marble sediment draining off facility	MSMD referred complaint to SWPD. SWPD coordinated inspection with IWS. IWS issued citation and SWPD issued Corrective Action Notice to company. SWPD reinspected to confirm cleanup and discharge to stormwater eliminated.	Y

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IDID Number ¹	Type	Source	Follow-Up Activities	Eliminated (Y/N)
116	Vehicle wash with detergent	Vehicle wash water draining off lot	SWPD issued Corrective Action Notice after observing soapy runoff. SWPD contacted DEQ regarding soap. SWPD tested the effluent from the proposed biodegradable product and found that it passed screening parameters for detecting illicit discharges.	Y
118	Vehicle wash with detergent	Outdoor pavilion used for car washing at facility	SWPD issued Corrective Action Notice after observing soapy runoff. The company ceased washing vehicles.	Y
120	Other	Believed to be Pizza & Gyro	As part of ongoing monitoring of the shopping center, SWPD noted wash water in storm curb inlet originating from one business and informed the property manager. The company responded with corrective measures. Subsequent retest at the MS4 outfall was satisfactory.	Y
121	Other	1218 Merchant Lane End of Season Pool draining	SWPD investigated. SWPD provided educational pool discharge guidelines and regulations. Owner selected an alternative discharge method for the salt water pool.	Y
122	Cooling tower discharge	7926 Jones Branch Drive	SWPD issued Corrective Action Notice for unpermitted discharge of cooling tower water. Property Mgt. company chose to apply for VPDES permit to discharge to storm.	Y
123	Cooling tower discharge	8615 Westwood Center Drive	SWPD issued Corrective Action Notice for unpermitted discharge of cooling tower water. Company given deadline for response or a Notice of Violation will be issued. Investigation is open (under enforcement).	N
124	Other	Dry cleaner connected to manhole	Dry weather screening program identified excessive heat and dry cleaning smell coming from outfall. Dry cleaner was connected to manhole. Dry cleaning equipment no longer discharges to the floor drain.	Y
125	Vehicle wash with detergent	Caliber Collision washes cars inside and wash water ran out bay door to the storm drain.	SWPD investigation found wash water was running out bay door. The company subsequently installed a barrier around wash area and raised plastic barrier at door bay.	Y
131	Industrial waste	Hose laid out in gutter and discharged into storm drain system	SWPD and FMO follow up on a complaint and confirmed that wastewater was discharged out front into the storm drain. SWPD issued a Corrective Action Notice was given and company will be cleaning their filtration system during nonproduction hours.	Y

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IDID Number ¹	Type	Source	Follow-Up Activities	Eliminated (Y/N)
135	Fats, oils and grease (FOG)	Restaurant dumpster/compactor	FMO and SWPD investigated sheen on a stream. SWPD issued a Corrective Action Notice and FMO issued a separate NOV after finding staining around a restaurant dumpster-compactor. FMO installed spill pads near storm inlet and booms across stream. DEQ was notified. Restaurant responded to the CAN and passed follow-up inspection.	Y
137	Fats, oils and grease (FOG)	unknown	SWPD inspector observed grease on the inlet and poor BMP practices for building. Specific source/tenant not identified. NOV issued to property management. Property management submitted Corrective Action Plan. Subsequent inspection found more BMP issues, and SWPD informed Health Department and property management. Investigation open (under enforcement).	N
140	Vehicle wash with detergent	Vehicle wash water that drains into nearby private grate inlet	DCC referred car washing incident to SWPD. SWPD issued a Corrective Action Notice. The business agreed to eliminate outdoor vehicle wash equipment and as well be eliminate vehicle washing from the business practice.	Y
141	Other	Food and litter was dumped into County maintained grate inlet.	MSMD reported illegal dumping to SWPD. SWPD issued a Corrective Action Notice to the property manager and provided educational pollution prevention materials. The property owner cleaned up storm grate. No issues were found at the follow-up inspection.	Y
143	Other	Colorant added to pond; wash water from restaurant grease bin	SWPD responded to complaint about blue-green color of pond, and found no release from the pond, but did find high effluent from a nearby pond high in detergent, specific conductivity, copper, phenol and tracked flow to restaurant. SWPD issued a Corrective Action Notice. SWPD follow up inspection confirmed business plugged trench drain to eliminate discharge to storm.	Y
1575191	Industrial waste	Granite/Marble Filter Overflow	SWPD and FMO investigated. SWPD issued Corrective Action Notice. SWPD reinspected twice. Discharge to MS4 eliminated.	Y
1577526	Wash water with detergent	Sea Pearl restaurant	SWPD investigated. SWPD issued verbal warning and provided educational materials.	Y
1578197	Swimming pool discharge	HOA swimming pool	FCPA reported discharge. SWPD investigated. DEQ was notified. SWPD issued Notice of Violation to pool company.	Y

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IDID Number¹	Type	Source	Follow-Up Activities	Eliminated (Y/N)
1580113	Fats, oils and grease (FOG)	Shopping center restaurants	SWPD investigated. SWPD issued Corrective Action Notices. SWPD to reinspect after compliance deadline.	N
1583774	Paint	Residence	SWPD investigated. SWPD issued Notice of Violation. SWPD conducted follow-up site visit with contractor and homeowner.	Y
1588516	Other (See Comments)	Shopping center restaurants	SWPD conducted initial investigation and notified Health Dept. about leaking dumpster and litter. SWPD and Health Dept. conducted joint inspection. SWPD issued Corrective Action Notice. SWPD conducted two re-inspections and found partial compliance. SWPD notified Solid Waste. SWPD to reinspect.	N
1589322	Dumped trash / dumpster	Dumpsters on commercial lot	SWPD investigated. SWPD issued Corrective Action Notice. SWPD to reinspect after compliance deadline.	N
1593252	Wash water with detergent	Exterior cleaning of apartment complex breezeway	MSMD reported suds in stormwater pond. SWPD investigated. SWPD issued Corrective Action Notice. Respondent submitted an acceptable BMP plan.	Y
1593678	Wash water with detergent	Exterior cleaning of hotel	SWPD investigated. SWPD issued Corrective Action Notice. Respondent submitted an acceptable BMP plan.	Y
1593771	Swimming pool discharge	Villa Aquatic Club - backwash	SWPD conducted initial investigation and follow-up site visit. DEQ was notified. SWPD issued Corrective Action Notice. Respondent submitted acceptable plan.	Y
1595200	Cooling tower discharge	Commercial building	SWPD investigated. SWPD issued Corrective Action Notice. Respondent plans to acquire permit(s) to plumb discharge to sanitary. SWPD to follow up.	N
1595912	Industrial waste	Majestic Marble	SWPD inspected IHRR facility. SWPD issued Corrective Action Notice. SWPD reinspected and found deficiencies. Respondent plans to install treatment system. SWPD to reinspect.	N
1596133	Other (See Comments)	Pyramid Granite	SWPD investigated and conducted IHRR inspection of facility. SWPD issued Corrective Action Notice. Facility met CAN requirements on reinspection.	Y
1596333	Vehicle wash with detergent	Michael & Son Svc	IWS referred discharge to SWPD. SWPD investigated. SWPD issued Corrective Action Notice. CAN requirements met on SWPD reinspection.	Y
1597017	Fats, oils and grease (FOG)	Grease bin	SWPD investigated. SWPD issued Corrective Action Notice. SWPD reinspected.	Y

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IDID Number¹	Type	Source	Follow-Up Activities	Eliminated (Y/N)
1597544	Wash water with detergent	Commercial property	SWPD investigated. SWPD issued Corrective Action Notice. SWPD to reinspect after compliance deadline.	N