

Fairfax County 2024 MS4 Program Plan and Annual Report

Appendix R6

A List of Spills, the Source (Identified to the Best of the Permittee's Ability), and a Description of the Follow-Up Activities Taken

VSMP Permit Number VA0088587
9-30-2024

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From July 1, 2023 to June 30, 2024, spill response personnel responded to 23 spills that had the potential to discharge into the MS4. The investigations are summarized below.

Date	Spill	Source	Follow-Up Actions Taken
7/29/2023	Paint, unknown amount	Chemical spill or leak	Paint leaked into the storm water retention pond causing a milky residue in the pond. Spill response was referred to Stormwater Planning for follow-up.
8/5/2023	Diesel fuel, unknown amount	Motor vehicle accident	Emergency responders dammed the downslope storm drain with booms. Visual inspection confirmed no further leaks.
8/23/2023	Gasoline, unknown amount	Motor vehicle accident	Emergency responders identified a gas leak above a storm drain. The fuel leak above the storm sewer required onsite assessment and plugged the hole in the gas tank. Once the van was overturned the gas tank was torn again, and emergency responders off loaded the fuel tank from the van and double packed it before towing the vehicle from the scene.
9/24/2023	Diesel fuel, amount unknown	Motor vehicle accident	Emergency responders were requested due to leaking diesel. Responders used 3 bags of absorbent on diesel spill prior to arrival of HAZMAT unit for clean-up. Multiple responders remained on scene for another hour assisting with diesel fuel cleanup. HAZMAT placed absorbent pads and booms down to catch run off from going into storm drain. Leak was found and plugged. The driver advised they had just filled tank with fuel.
10/3/2023	Gas Utility, unknown amount	Chemical spill or leak	Emergency responders dispatched for a gas line leak at a VDOT site. Contact made with VDOT who was on scene. Washington Gas notified and no readings were found at the leak. Washington Gas arrived and was able to clamp the line. Emergency responders monitored storm sewer until risks were eliminated.
10/15/2023	Gasoline, approximately 10 gallons	Motor vehicle accident	Vehicles fuel tank ruptured, and leaking fuel started to ignite. Foam was used to try to control the fire. Booms were placed across a storm drain and pads were situated near the location of the fire.
11/1/2023	Diesel fuel, approximately 55 gallons	Chemical spill or leak	HAZMAT Responded to a large diesel spill. The fuel was slightly mitigated by dams and mats and absorbent pads from local construction crew. HAZMAT surveyed the spill in local sewer drain system and contained it.
11/13/2023	Gasoline, approximately 25 gallons or less	Chemical spill or leak	Responders mitigated a gasoline spill. The spill was mitigated with absorbent and had minimal amount of fuel get into the storm drain.
11/16/2023	Diesel fuel, amount unknown	Chemical spill or leak	HAZMAT responded diesel in the stream. Responders used absorbent pads and detection test paper. Responders deployed a combination of large and small oil-only booms across the creek and absorbent pads in the creek for spill control. Responders obtained a water sample and confirmed diesel in the stream. Responders obtained a second sample from suspected source, which also confirmed diesel seepage.

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Date	Spill	Source	Follow-Up Actions Taken
12/4/2023	Gasoline, approximately 40 gallons	Motor vehicle accident	Emergency responders used foam on ignited diesel leak incident. Crews placed PIG Oil-Only Absorbent Mat Pads adjacent to entrance to stormwater system but did not recover any significant hydrocarbon residue.
12/5/2023	Diesel fuel, approximately 30 gallons	Chemical spill or leak	30-45 gallons of diesel entered the storm drain. Emergency responders began immediate spill confinement stopping the flow of fuel into the drain by diking the gutter with six bags of absorbent, placing one large 8" x 10' absorbent boom in the intake to the storm sewer, and placing one 66-gallon pit underneath the source of diesel. Notification to DEQ and SWPD made via email.
12/11/2023	Engine Oil, amount unknown amount	Chemical spill or leak	Emergency responders found about 40 pounds of absorbent to contain spill, but oil already made it into a storm water retention pond. Emergency responders placed booms, absorbent pads and absorbent around the storm drains at risk. Additional resources and materials were used to dike and dam the storm drains.
12/24/2023	Gasoline, amount unknown amount	Improper Discharge	Emergency responders were called for the smell of gasoline traveling underneath a roadway. A gasoline sheen was discovered, and they utilized multiple "PIGS Oil Only Absorbent Mat Pads" on water. No active leaks discovered.
1/23/2024	Diesel fuel, approximately 10 gallons	Chemical spill or leak	Emergency responders arrived to a diesel leak. We initiated damming and diking to contain fuel entering a curb box. Crews immediately put several containment pits under the leak and then began putting booms and pads down to divert the leak away from the drain. Absorbent pads were placed on the fuel to aid in absorption.
2/28/2024	Diesel fuel, amount unknown amount	Motor vehicle accident	Emergency responders arrived onsite to diesel fuel leaking. A containment system was established underneath for the runoff with booms, pads, and absorbent. Responders used a handpump to get the product out of the containment system.
3/21/2024	unknown contaminant, amount unknown amount	Chemical spill or leak	Emergency Responders substance in water. They used absorbent pads for noticeable substance but were unable to collect a sample. HAZMAT Team secured two Spaghetti Pillows across the streambed with intent of preventing unidentified hydrocarbon from flowing downstream. FRD notified DEQ of the incident and collected samples.
3/23/2024	Mineral oil, unknown amount	Equipment failure	HAZMAT dispatched for spill. Units put booms in place to control the runoff. Spill contained with equipment.
4/3/2024	Jet Fuel, approximately 3,200 gallons	Chemical spill or leak	HAZMAT used booms, diking and damming actions were taken to control runoff in stream. They grounded and bonded the clean tanker once it arrived. Emergency responders assessed waterbody. Command structure to spill included federal partners like, DEM and the DEQ were involved in clean-up efforts. NOTE: Fairfax County's spill response team responded

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Date	Spill	Source	Follow-Up Actions Taken
			to a spill that occurred at Fort Belvoir which has a phase II MS4 permit.
4/16/2024	Gasoline, approximately 10 gallons	Motor vehicle accident	Emergency responders dispatched fuel leak. Units arrived and stopped the leak. They placed pads and pillows in the storm drain to absorb spill and plug leak.
6/4/2024	Gasoline, unknown amount	Motor vehicle accident	Emergency responders dispatched for a vehicle fire. During extinguishment the fuel tank ruptured, and runoff was going into the storm drain. Booms and absorbent were placed to divert any more runoff.
6/12/2024	Diesel fuel, unknown amount	Chemical spill or leak	Emergency responders deployed for diesel fuel in creek. Placed "PIG Oil-Only Absorbent Booms" in waterway. Incident upgraded to HAZMAT.
6/14/2024	Diesel fuel, unknown amount	Chemical spill or leak	HAZMAT arrived on scene found evidence of petroleum product in the water way. Units replaced existing booms from previous response call and assisted storm water investigators with search of product's origin. Storm drains were inspected with nothing found. Believed the leak to be residual, not immediate.
6/26/2024	unknown contaminant, amount unknown amount	Chemical spill or leak	Emergency responders dispatched to waterway to meet with a Fairfax Storm Water representative at the site of a previous illicit release into the waterway. Several areas had obvious sheen on the surface. Several booms spanning the width of the stream to prevent any further run off.