



WILLIAM & MARY
CHARTERED 1693

Environmental Health & Safety Office
P.O. Box 8795
Williamsburg, VA 23187-8795
757.221.2146 office

July 6, 2023

Sherree Walker
Director of Financial Reporting
William & Mary

RE: Pollution Remediation Obligations FY23

In response to your request, the University had four new illicit discharge events in the fiscal year 2023 (FY23). The total pollution remediation cost to the university for the FY23 discharge events was **\$61,932**. No funds were recovered from insurance or other sources.

A description of each event and its associated cost can be found in Attachment A. If you have any questions regarding these events or need additional information, you may contact me at 221-2146 or tbelback@wm.edu

Sincerely,

A handwritten signature in black ink that reads "Teresa Belback".

Teresa Belback, Director
Environmental Health & Safety Office

Cc: Don Butler, Interim AVP Public Safety
Sam Hayes, Chief Facilities Officer

Attachment A: W&M FY23 Illicit Discharge Report

ATTACHMENT A

William & Mary FY23 Illicit Discharge Report

July 1, 2022 – June 30, 2023

1. Health Center BMP Sewage Spill DEQ #306355 – Work Orders 335701 & 336082

On August 31, 2022, sewage lines that run adjacent to the Health Center BMP backed up and ruptured through a line in the ground, at 230 Gooch Drive, Williamsburg, Virginia. The amount of discharge was unknown, however the sewage spill impacted the Wildflower Refuge BMP downstream as well. This BMP was plugged to stop any additional impact downstream to Lake Matoaka. Remediation involved pumping water from both BMPs and removing dead fish caused by the spill. Cause of the backup involved items in the lines including tree roots and logs. The lines were assessed with cameras, debris was removed, and repairs made to the sewage lines where the rupture occurred. No insurance claim was filed for this incident.



Description	Cost
Facilities Management Labor	\$3,353
Materials	\$197
Maintenance Contract	\$ 42,045
Grand Total	\$45,595

2. Health Center BMP Sewage Spill DEQ #3006800 – Work Order 340111

On October 11, 2022, sewage overflowed from a manhole behind the Campus Living Center, ran down the pathway and entered a storm drain at the Health Center BMP, located at 230 Gooch Drive, Williamsburg, Virginia. It was estimated that the amount that entered the waterway was no more than 50 gallons. A visible sheen was observed where the stormwater drain flow entered the pond. It was determined that the overflow was caused by a grease blockage in the line. The blockage was cleared by jetting the line. Facilities Management is assessing the frequency of a PM to clear this line. An engineering study is being initiated to plan upgrading or replacing the existing sewer line. No insurance claim was filed for this incident.



Description	Cost
Facilities Management Labor	\$450
Maintenance Contract	\$9,579
Grand Total	\$10,029

3. Health Center BMP Sewage Spill DEQ #308009 – Work Order 347148

On January 27, 2023, sewage overflowed from a manhole behind the Campus Living Center, ran down the pathway and entered a storm drain at the Health Center BMP, located at 230 Gooch Drive, Williamsburg, Virginia. It was estimated that the amount that entered the waterway was approximately 500 gallons. There was no visible evidence the contaminated water reached the Wildflower Refuge BMP downstream. The sewage line was obstructed with grease, asphalt, work towels, and brick remnants. A few months earlier, a construction project was completed in a nearby building upstream from this location that involved these materials. Clean-up consisted of jetting and vacuuming the lines to remove debris. The stormwater drain was vacuumed. Facilities Management committed to jetting the sewer line on a bi-monthly basis and initiated a study to document the condition and capacity of the sewage collection system in the area. No insurance claim was filed for this incident.



Description	Cost
Facilities Management Labor	\$938
Maintenance Contract	\$5,370
Grand Total	\$6,308

4. Main Utility Plant Cooling Tower Overflow DEQ #308258 – Work Order 349172

On February 20, 2023, as the Main Utility Plant was switching from Chiller 4 to Chiller 3 for maintenance, flow exceeded the capacity of Cooling Tower #2, which overflowed. This ran to the roof drains which lead to the storm drain system. The contaminants were chemicals used for cooling tower treatment. It was estimated that less than one pint total of all three



products, Coastline Cooline TI-115T, BromMax 7.1, and Bellacide 301, were in the water released from the cooling tower. This storm drain system discharges to a swale at Pollard Park. There was no visible sign of the discharge reaching that location. Due to the high volume of water and low concentration of chemicals, there was no remediation required. The program sequence for this operation was updated as a corrective action. There was no response cost and, therefore, no insurance claim.

Description	Cost
Facilities Management Labor	\$0
Maintenance Contract	\$0
Grand Total	\$0