

Soapstone Valley Park Sewer Rehabilitation Project

Daily Air Monitoring Report #2 – Site 5

Client: DC Water / WRF

Location: Soapstone Valley Park, Washington, DC

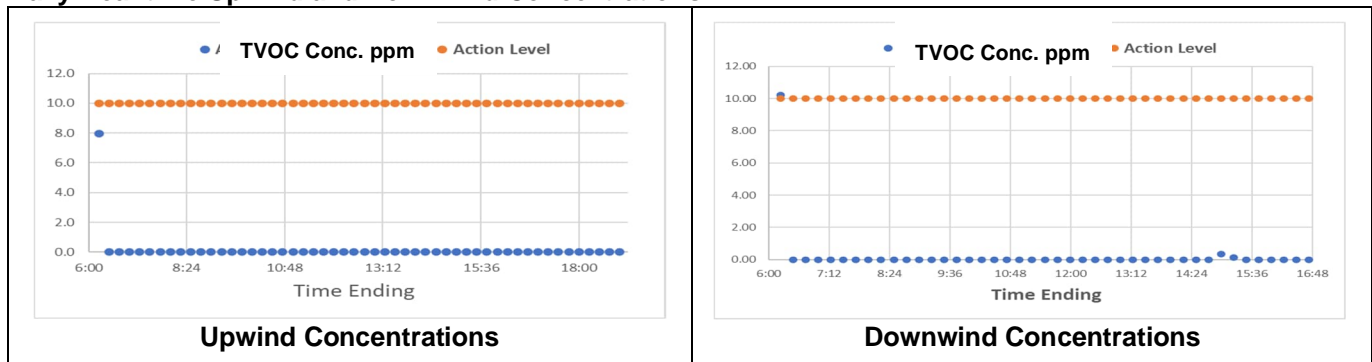
Date: 3/16/2023

Summary: Air monitoring performed during shot #2 M-10445 to M-10363. Air monitoring results were less than the Action Levels.

This air monitoring daily field report is a summary of the ambient and emission monitoring data collected during the Soapstone Valley Park Sewer Rehabilitation Project related to the cured in place pipe (CIPP) activities in accordance with the project's Air Quality Monitoring and Emissions Testing Plan (AQMP). Instrumentation measuring total volatile organic compounds (TVOCs), acetophenone and cumene are calibration checked daily prior to the start of activities, unless otherwise noted.

The purpose of this Report is to communicate real-time monitoring results with a focus on any results greater than Action Levels set forth in the AQMP, and any emissions controls implemented in response to the real-time monitoring results. Results summarized herein are preliminary and are subject to change based on quality assurance quality control review. Final results will be included in the project area reports and will include an evaluation of the chemical specific sampling results.

Daily Real-time Upwind and Downwind Concentrations



Comments	Work hours were 6:00 am – 7:00 pm	
Action Level	TVOC	10 ppm or greater
Notes	<ul style="list-style-type: none"> - Real-time continuous monitoring performed upwind and downwind of the work zone (including the insertion manhole and refrigeration truck). - Real-time continuous monitoring results represent 15-minute average concentrations unless otherwise noted. - TVOC concentrations were measured as isobutylene and reported as acetophenone based on the PID correlation factor. 	

Daily Maximum Hand-held Monitoring and Observations

Parameter	TVOC (ppm)	Cumene (ppm)	Acetophenone (ppm)	Odor Intensity
Observation	4.5	0	0	3
Comments	Less than Action Level	Not detected	Not detected	See elevated concentration summary below.
Action Levels	10 ppm or greater	50 ppm or greater	10 ppm or greater	3 or greater or off-site odor complaint verified by Air Monitoring Contractor
Notes	- Hand-held monitoring performed downwind of the terminal discharge manhole and any applicable passthrough manholes, downstream manholes, and lateral sewer connection cleanouts. - Hand-held monitoring results represent instantaneous concentrations unless otherwise noted.			

Elevated Concentration Summary for Action Levels

Parameter	Time	Location	Wind Conditions	Elevated Conc.	Comments/Explanation
TVOC (ppm)	NA	NA	SW	NA	TVOC concentrations remained less than Action Level.
Cumene (ppm)	NA	NA	NA	NA	Cumene concentrations remained less than the Action Level.
Acetophenone (ppm)	NA	NA	NA	NA	Acetophenone concentrations remained less than the Action Level.
Odor Intensity (0 - 5)	14:00	Terminal discharge manhole	NA	3	Odor elevated because of refueling of the air blower not related to CIPP activities. Decrease with 15-20 ft distance away from the manhole.

Constituent-Specific Sampling Summary

Project Area	Sample Date	Method Type	Comments
Shot #1	3/14/23	Method 18 for acetophenone TO-15 for VOCs	Results received from laboratory and being reviewed against AQMP.
Shot #2	3/16/23	Method 18 for acetophenone TO-15 for VOCs	Results received from laboratory and being reviewed against AQMP.
Shot #3	TBD	Method 18 for acetophenone TO-15 for VOCs	Future sampling event. Supplies ordered from the laboratory.
Shot #4	TBD	Method 18 for acetophenone TO-15 for VOCs	Future sampling event. Supplies ordered from the laboratory.

Daily Weather Conditions

Parameter	Workday Measurements	Wind Conditions
Precipitation (Yes/No)	No	<p>Windrose Plot for [DCA] WASHINGTON/NATIONAL Obs Between: 16 Mar 2023 06:52 AM - 16 Mar 2023 07:52 PM America/New_York</p> <p>Summary Obs Used: 14 Obs Without Wind: 1 Avg Speed: 10.6 mph</p> <p>Wind Speed [mph] 2 - 4.9 5 - 6.9 7 - 9.9 10 - 14.9 15 - 19.9 20+</p>
Average Wind Speed	8.9 mph	SW-SSW

*Weather results taken from the [DCA] Washington/National

Site Map



Shot 2: M10445 to M10363		
ID	Location (Latitude – Longitude)	Canister Position
1	(38.9452356, -77.0525375)	Downwind
2	(38.9452718, -77.0520725)	4" above insertion manhole
3	(38.9453469, -77.0519116)	Upwind
4	(38.9453683, -77.0516427)	4" above terminal manhole
5	(38.9454262, -77.0515736)	Near terminal manhole

General Comments

8:07	Insertion of pre-liner		
10:50	CIPP start time		
12:00	Lining finished		
14:00	Curing begins		
18:00	Curing finished		
Submitted By:	CUIRE/UTA	Date:	3/16/2023
Reviewed By:	AECOM	Date:	3/27/2023