

# Town of Vienna, Virginia

## Municipal Separate Storm Sewer System (MS4) Program Plan

# FY24 Annual Report



**DEQ Submittal – October 1, 2024**

Town of Vienna  
Department of Public Works  
127 Center Street, South  
Vienna, Virginia 22180

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*Submitted to the Virginia Department of Environmental Quality in compliance with Permit No. VAR040066, "General Virginia Pollutant Discharge Elimination System Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems."*

## CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

  
Name

TOWN MANAGER  
Title

10/01/24  
Date

# **General VPDES Permit for Small Municipal Storm Sewer Systems**

## **Permit No. VAR040066**

Fiscal Year 2024 Annual Report  
July 1, 2023 – June 30, 2024 Reporting Period  
Town of Vienna, Virginia

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# 1 Introduction

This Fiscal Year 2024 (FY24) annual report has been prepared by the Town of Vienna Department of Public Works (DPW) in accordance with the requirements of General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (9VAC250890-40 *et seq.*). The Town was issued the most recent five-year General Permit (VAR040066) with an effective date of November 1, 2023.

Pursuant to the General Permit, the Town has developed a Municipal Separate Storm Sewer System (MS4) Program Plan. The MS4 Program Plan has been updated in accordance with the General Permit and posted at [www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay](http://www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay).

The plan implements the six minimum control measures (MCMs) aimed at reducing the discharge of pollutants to the “maximum extent practicable.” MCMs include the following:

**Table 1: Six Minimum Control Measures**

1. Public Education and Outreach	4. Construction Site Stormwater Runoff Control
2. Public Involvement and Participation	5. Post-Construction Stormwater Management
3. Illicit Discharge Detection and Elimination	6. Pollution Prevention and Good Housekeeping

The General Permit requires the Town to submit annual reports to the Department of Environmental Quality (DEQ) covering the reporting period of the preceding July 1 through June 30. Part I D of the General Permit outlines the annual report requirements. Table 2 summarizes the requirements and where they are addressed in this annual report.

**Table 2: MS4 Permit Annual Reporting Requirements**

Permit	Requirement	Location
Part I D 3 a-b	3. The annual report shall include the following general information: a. The permittee, system name, and permit number; b. The reporting period for which the annual report is being submitted;	Section 2
Part I D 3 c	c. A signed certification as per Part IV K;	Certification page
Part I D 3 d	d. Each annual reporting item as specified in an MCM in Part I E; and,	Section 3

Permit	Requirement	Location
Part I D 3 e	e. An evaluation of the MS4 program implementation, including a review of each MCM, to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary.	Section 4
Part I D 4	4. For permittees receiving initial coverage under this general VPDES permit for the discharge of stormwater, the annual report shall include a status update on each component of the MS4 program plan being developed. Once the MS4 program plan has been updated to include implementation of a specific MCM in Part I E, the permittee shall follow the reporting requirements established in Part I D 3.	Not applicable
Part I D 5	5. For those permittees with requirements established under Part II B, the annual report shall include a status report on the implementation of the local TMDL action plans in accordance with Part II B including any revisions to the plan.	Section 6
Part I D 6	6. For the purpose of this permit, the MS4 program plan, annual reports, the Chesapeake Bay TMDL action plan, and Chesapeake Bay TMDL implementation annual status reports shall be maintained as separate documents and submitted to the department as required by this permit as separate documents.	Chesapeake Bay TMDL action plan annual report

## 2 General Information

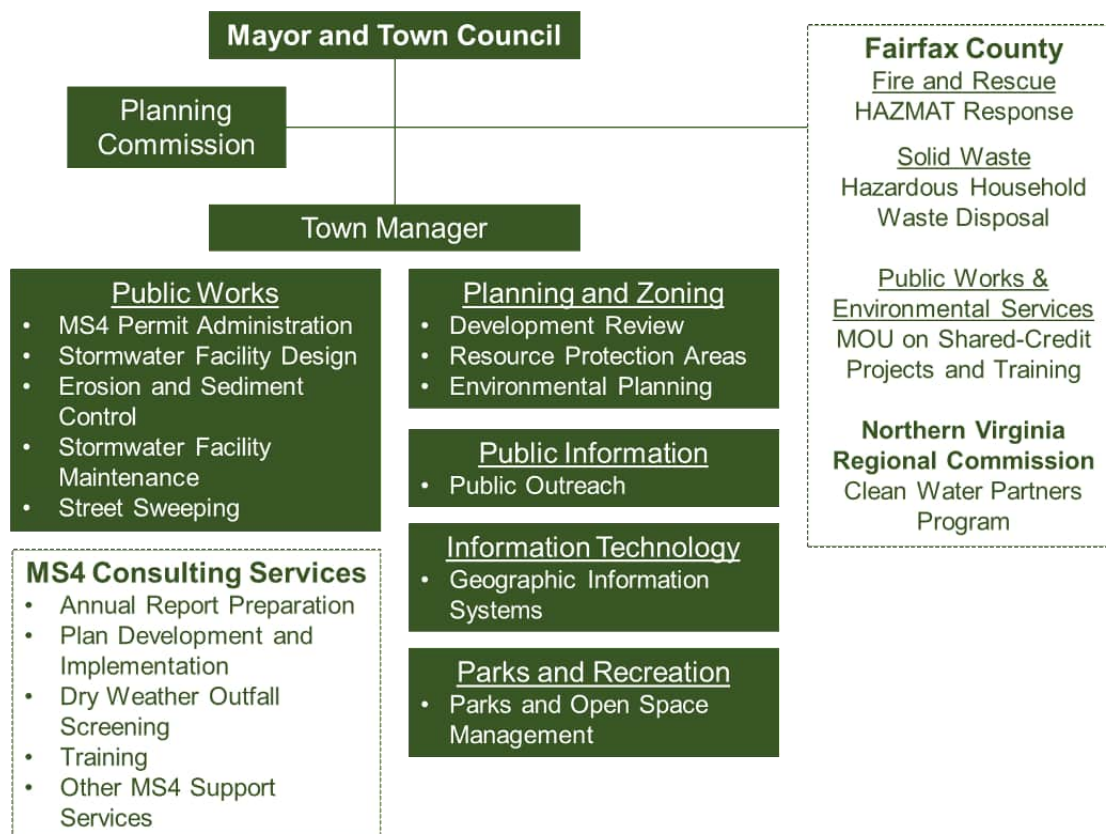
This section provides the general information required from Part I D 3 a-b of the General Permit.

**Table 3: Required Background Information**

<b>Permittee:</b>	Town of Vienna
<b>System Name:</b>	Town of Vienna MS4
<b>Permit Number:</b>	VAR040066
<b>Reporting Period:</b>	July 1, 2023 – June 30, 2024

The chart below outlines departments with major stormwater management responsibilities that are referenced in this annual report. DPW is the primary lead on MS4 compliance activities. There have been no changes to Town departments that affect the MS4 Program Plan. A consultant provides MS4 support services to the Town. Support may include, but is not limited to, annual report preparation, MS4 Program Plan development, mapping/GIS, dry weather outfall screening, and pollution prevention training.

**Figure 1: Organization of Stormwater Management Program**



### 3 Status of Compliance with Fiscal Year 2024 Conditions

This section provides an overview of progress made toward meeting each MCM. Each MCM includes the specific annual reporting items as specified in Part I E of the General Permit followed by a more detailed description of each best management practice (BMP) contained in the MS4 Program Plan. Support materials are in the appendices as referenced.

#### 3.1 *Public Education and Outreach (MCM #1)*

In accordance with Part I E 1 g of the MS4 permit, the following information must be reported in the annual report:

	Annual Report Requirement	Documentation
✓	(1) A list of the high-priority stormwater issues the permittee addressed in the public education and outreach program.	<ul style="list-style-type: none"> <li>• Nutrients</li> <li>• Sediment and other illicit discharges</li> <li>• Bacteria from pet waste</li> </ul>
✓	(2) A summary of the public education and outreach activities conducted for the report year, including the strategies used to communicate the identified high-priority issues.	See BMPs 1.1-1.7.
✓	(3) A description of any changes in high-priority stormwater issues, including strategies used to communicate high-priority issues or target audiences for the public education and outreach plan. The permittee shall provide a rationale for any of these changes.	No changes were made to high-priority stormwater issues, strategies used to communicate high-priority issues, or target audiences. The Town added chloride (BMP 1.7) to implement the education and outreach strategies contained in the Town's Chloride TMDL Action Plan for Accotink Creek.
✓	(4) A description of public education and outreach activities conducted that included education regarding climate change.	The Town did not conduct public education and outreach activities specifically addressing climate change.

#### **BMP 1.1 – General Education and Outreach**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each MS4 annual report: (1) the amount of materials distributed and an estimate of the number of individuals reached; (2) the message included in the Town Water Quality Report, Vienna Voice newsletter, or residential water bill; (3) a snapshot of the stormwater web page; (4) a summary of the Clean Water Partners program and the results of any

surveys or other mechanisms used to determine program effectiveness; and, (5) a description of any outreach activities that also include education regarding climate change.”


BMPs from MS4 Program Plan	FY24 Activities
Distribute giveaways with water quality messages at events.	The Town continued to distribute educational give-aways at events. This included approximately 100 stormwater activity booklets, 350 color changing rulers, and 300 rubber ducks.
Include general pollution prevention article in either (1) Town Water Quality Report; (2) Vienna Voice; or, (3) residential water bill.	A general pollution prevention message “Get Involved – Protect Your Water Sources” was included in the Town’s 2024 Water Quality Report. See Appendix A for the message.
Host stormwater web page.	The website is located at: <a href="http://www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay">www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay</a>
Participate in Clean Water Partners regional program.	<p>The Town continued to participate in Clean Water Partners. A summary of FY24 activities is included in Appendix A. The 2024 campaign focused on bacteria, nutrients, salt, and illicit discharges. These align with the Town’s high-priority stormwater issues. The campaign aired two public service announcements (one in English and one in Spanish) on a combination of 45 networks for a total of 1,034,052 impressions/views. The campaign also resulted in 625,900 social media impressions.</p> <p>Each year, Clean Water Partners conducts a survey of approximately 500 residents in Northern Virginia to measure beliefs, attitudes, and behaviors related to water pollution. The survey includes information about Vienna residents. However, it is statistically more valuable to look at the results of Fairfax County, which includes Vienna. The survey is valuable for understanding where additional effort may be needed. The following is a summary of highlights:</p> <p><u>General Education:</u></p> <ul style="list-style-type: none"> <li>• 27.7% of Fairfax County residents correctly stated that stormwater does not flow to a wastewater treatment facility. The regional average is 31.5%.</li> <li>• 23.2% of Fairfax County residents reported seeing the water pollution reduction campaign. The regional average is 27.8%.</li> </ul> <p><u>Bacteria from Pets:</u></p>



BMPs from MS4 Program Plan	FY24 Activities
	<ul style="list-style-type: none"> <li>89.5% of Fairfax County residents always or usually pick up dog waste on walks. The regional average is 87.1%. Regionally, the percentage has remained steady since 2020.</li> </ul> <p><u>Illicit Discharges and Illegal Dumping:</u></p> <ul style="list-style-type: none"> <li>79.8% of Fairfax County residents successfully recognized a picture of an illicit discharge. This is similar to FY23. The regional average is 80.8%.</li> <li>46.5% of Fairfax County residents were “confident” or “somewhat confident” about where to report an illicit discharge. This is lower than FY23 (55%). The regional average is 49%.</li> <li>61.7% of Fairfax County residents would “definitely” or “probably” report the illicit discharge. This represents a steady increase from previous years: FY23 (59%), FY22 (54%), FY21 (49%), FY20 (43%), and FY19 (38%). The regional average is 66.6%. The most common reason for not reporting was “Didn’t want to communicate with authorities” at 22.9% and “None of my business” at 24.1%.</li> </ul> <p><u>Nutrients from Fertilizers:</u></p> <ul style="list-style-type: none"> <li>12.4% of Fairfax County residents with lawns test before fertilizing. An additional 17.1% don’t fertilize. The regional average is 11.1% and 15.2%, respectively. Regionally, the number of residents conducting a soil test has gone up significantly since 2022.</li> </ul> <p>The results show a generally stable or positive trend. Progress continues to be made on reporting potential water pollution and more residents conduct a soil test before fertilizing. Similar to last year, fewer people recognize that stormwater does not flow to a wastewater facility.</p>
Describe outreach activities involving climate change education.	The Town did not conduct public education and outreach activities specifically addressing climate change.

### **BMP 1.2 – Youth-Focused Outreach**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each MS4 annual report documentation of efforts to educate youth, including an estimate of the number of youth engaged.”

BMPs from MS4 Program Plan	FY24 Activities
<p>Host DPW Day with a focus on youth education.</p>	<p>The Town held its annual Public Works Day in FY24 (May 16, 2024). A stormwater outreach booth was set up to teach young participants about which watershed they live in and how to protect water quality through pollution prevention.</p> 
<p>Use the EnviroScape model at Town events.</p>	<p>The EnviroScape model was not used this year at Public Works Day or the Family Fishing Rodeo due to lack of available staging space.</p>

### **BMP 1.3 – Chesapeake Bay Nutrients**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each MS4 annual report: (1) documentation that information has been distributed on proper fertilizing techniques; and, (2) a snapshot of the social media post. In FY26, the Town will provide information mailed to HOA and condominiums.”

BMPs from MS4 Program Plan	FY24 Activities
Distribute information on proper fertilizing techniques through one of the following: (1) press release; (2) Vienna Voice; (3) Town Calendar; (4) water bill.	The 2024 Water Quality Report included a fertilizer-specific article entitled “Get Involved – Be Fertilizer Smart.”  An article entitled “Green Tips for a Lush Lawn” was included in the May 2024 Vienna Voice. See Appendix A.
Distribute nutrient-related message using a social media platform.	A message was posted to Facebook on May 9, 2024 with tips on when to fertilize and how to fertilize properly. A message was posted to Facebook on November 16, 2023 of the benefits of leaf mulching instead of fertilizing. See Appendix A.
Distribute nutrient-related message to HOAs/condominium associations.	This BMP is scheduled for FY26.

#### **BMP 1.4 – Sediment and Other Illicit Discharges**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each MS4 annual report: (1) documentation that information has been distributed on how to report a suspected illicit discharge; (2) a snapshot of the social media post; and, (3) documentation of how the HHW program was promoted.”

BMPs from MS4 Program Plan	FY24 Activities
Distribute information on illicit discharge reporting through one of the following: (1) press release; (2) Vienna Voice; (3) Town Calendar; (4) water bill.	The 2024 Town Calendar included a section about stormwater protection and how to report an illicit discharge. The Town also focused on proper battery disposal in the February 2024 edition of the Vienna Voice. See Appendix A.
Distribute illicit discharge reporting message using a social media platform.	Messages were posted to Facebook on September 22 and 30, 2023 on how to recognize and report illicit discharges. See Appendix A.
Promote County HHW program through either; (1) Vienna Voice; (2) Town Calendar; (3) Vienna Happenings.	The County’s HHW program was promoted in the Town’s 2024 Water Quality Report, the 2024 Town Calendar, and the Town website. See Appendix A.

#### **BMP 1.5 – Bacteria**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each MS4 annual report: (1) documentation that information has been distributed on proper pet waste disposal; and, (2) a snapshot of the social media post. In FY25,

the Town will provide information mailed to pet owners. The Town will confirm maintenance of existing signage and document any newly installed signage.”

BMPs from MS4 Program Plan	FY24 Activities
Distribute information on proper pet waste disposal through one of the following: (1) press release; (2) Vienna Voice; (3) Town Calendar; (4) water bill.	The 2024 Town Calendar included a message referencing the Town’s “pooper scooper” ordinance requiring pet owners to clean up after pets. The December 2024 edition of the Vienna Voice highlighted the importance of picking up after pets. See Appendix A.
Distribute one bacteria-related message using a social media platform.	A message was posted to Facebook on November 10, 2023 on the importance of proper pet waste disposal. See Appendix A.
Distribute bacteria-related message to dog license holders.	This BMP is scheduled for FY25.
Maintain signage at medium risk and priority sites identified in the Difficult Run and Accotink Creek Bacteria TMDL Action Plan; install signage at newly identified sites within one year.	Signage continues to be maintained. No additional signs have been installed.

#### **BMP 1.6 – Targeted Business Outreach for Illicit Discharges**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “No later than FY26 and FY27, the Town will provide information sent to restaurants and automotive service centers, respectively.”

BMPs from MS4 Program Plan	FY24 Activities
Distribute pollution prevention materials to restaurants.	This BMP is scheduled for FY26.
Distribute pollution prevention materials to automotive service centers.	This BMP is scheduled for FY27.

#### **BMP 1.7 – Chloride**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each MS4 annual report: (1) documentation that information has been distributed on proper use of deicing/anti-icing materials; (2) a snapshot of the social media post; (3) a summary of any presentations provided on proper deicing/anti-icing techniques; and, (4) a snapshot of the web site. In FY27 and/or FY28, the Town will document distribution of the deicing/anti-icing fact sheets.”

BMPs from MS4 Program Plan	FY24 Activities
Distribute information how to reduce the impacts of deicing/anti-icing through one of the following: (1) press release; (2) Vienna Voice; (3) Town Calendar; (4) water bill).	An article entitled “For Winter Weather Cleanup – Less is More!” was included in the January 2024 Vienna Voice. See Appendix A.
Distribute message on proper use of deicing/anti-icing materials using a social media platform.	Messages were posted to Facebook on December 15, 2023 and January 6 and 18, 2024 on how to reduce the impacts of deicing/anti-icing chemicals. See Appendix A.
Distribute deicing/anti-icing fact sheet to HOAs/condominium associations.	This BMP is scheduled for FY27 or FY28.
Be available for presentations to target audiences.	The Town did not receive any requests during FY24 to provide presentations on salt management.
Distribute deicing/anti-icing fact sheet to commercial/institutional property owners.	This BMP is scheduled for FY27 or FY28.
Maintain chloride reduction strategies on web site.	A link to the regional Salt Management Strategy (SaMS) Winter Salt Smart effort is included on the Town’s Protecting the Chesapeake Bay webpage. <a href="http://www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay">www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay</a>

### 3.2 *Public Involvement and Participation (MCM #2)*

In accordance with Part I E 2 i of the MS4 permit, the following information must be reported in the annual report:

	Annual Report Requirement	Documentation
✓	(1) A summary of any public comments on the MS4 program received and how the permittee responded.	No public input was received about the MS4 program during this reporting period.
✓	(2) A summary of stormwater pollution complaints received under the procedures established in Part I E 2 a (1), excluding natural flooding complaints, and how the permittee responded.	The Town received and addressed four reports of potential illicit discharges in FY24 (see BMP 3.5 and Appendix C). None of these was received under the procedures established in Part I E 2 a (1).
✓	(3) A webpage address to the permittee's MS4 program and stormwater website.	The webpage address is <a href="http://www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay">www.viennava.gov/residents/sustainability/protecting-the-chesapeake-bay</a> . See BMP 2.1.
✓	(4) [Requirement not applicable to the Town.]	NA
✓	(5) A description of the public involvement activities implemented by the permittee, including any efforts to reach out and engage all economic and ethnic groups.	See BMP 2.4.
✓	(6) A description of public education and outreach activities conducted that also included education regarding climate change.	The Town did not conduct public education and outreach activities specifically addressing climate change.
✓	(7) A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality.	See BMP 2.4.
✓	(8) The names of other MS4 permittees with whom the permittee collaborated in the public involvement opportunities.	The Town did not collaborate with other MS4 permittees on public involvement opportunities.

### **BMP 2.1 – Stormwater Web Page**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a snapshot of the stormwater webpage documenting all required elements.”

BMPs from MS4 Program Plan	FY24 Activities
Host the stormwater webpage with information required by the permit.	<p>The Town’s stormwater webpage includes the following information:</p> <ul style="list-style-type: none"> <li>• Effective MS4 permit and coverage letter</li> <li>• Most current MS4 Program Plan</li> <li>• Annual reports within 30 days of submittal to DEQ</li> <li>• Most current Chesapeake Bay TMDL action plan.</li> <li>• Annual status reports for Chesapeake Bay TMDL implementation within 30 days after submittal to DEQ</li> <li>• Links to reporting functions from BMPs 2.2 and 2.3</li> </ul> <p>See Appendix B for a snapshot of the stormwater webpage.</p>

### **BMP 2.2 – Public Reporting of Potential Illicit Discharges**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a snapshot of the reporting functions on the stormwater webpage.”

BMPs from MS4 Program Plan	FY24 Activities
Provide information on how to report a potential illicit discharge on the stormwater webpage.	See Appendix B for a snapshot of the illicit discharge reporting mechanism on the Town’s stormwater webpage under “How residents can help.”

### **BMP 2.3 – Public Input and Complaints**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report: (1) a snapshot of the public comments reporting function; and, (2) a summary of any public comments on the MS4 Program Plan and the Town’s response.”




BMPs from MS4 Program Plan	FY24 Activities
Provide information on how to register public comments on the stormwater webpage.	See Appendix B for a snapshot of the public comment mechanism on the Town’s stormwater webpage.
Implement the Public Involvement and Participation SOP to document comment tracking and response.	The Town continued to implement the SOP. No public input about the MS4 program was received during this reporting period.



### **BMP 2.4 – Public Involvement Opportunities**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a summary of the activities implemented and the metrics from the above table.”

BMPs from MS4 Program Plan	FY24 Activities
Promote or implement four local watershed activities annually.	See the Table 4 for a summary of public involvement activities in FY24.

***Table 4: Summary of Public Involvement Activities***

Description	Time Period	Metrics and Evaluation of Benefit
Family Fishing Rodeo Watershed Education Booth	April 6, 2024	<p><b>Metrics:</b> Approximately 350 children and adults attended.</p>  <p><b>Benefits:</b> This event provides an opportunity for residents to connect with their local streams. Participants were provided information about how they can protect local water quality.</p>
Town Clean Ups	November 4, 2023 (also April 6, 2024)	<p><b>Metrics:</b> Approximately 100 participants resulting in 17 bags of trash collected.</p>

		 <p><b>Benefits:</b> This event resulted in the direct removal of trash and debris from local streams. Participants have a better appreciation of how litter impacts water quality and ecosystems.</p>
Green Expo	April 18, 2024	<p><b>Metrics:</b> Approximately 400 people attended the Green Expo. Gave away a rain barrel at a rain barrel live demonstration.</p>  <p><b>Benefits:</b> Give-aways were distributed at the event to educate residents about how they are an important part of pollution prevention efforts.</p>
Eagle Scout Storm Drain Marking Project	N/A	<p>There were no requests for volunteer storm drain marking projects in FY24.</p>
Recycling Days	September 9, 2023, December 2, 2023, and March 2, 2024.	<p><b>Metrics:</b> Approximately 155 gallons of used oil and 17 gallons of antifreeze collected.</p> <p><b>Benefits:</b> Ensures that these materials are disposed of properly and that they do not become sources of illicit discharges.</p>

### **BMP 2.5 – Town Council Update**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in the FY27 or FY28 annual report any meeting materials and a summary of significant feedback, if any.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Provide MS4 program update to Town Council.	This BMP is scheduled for FY27 or FY28.

### **3.3 Illicit Discharge Detection and Elimination (MCM #3)**

In accordance with Part I E 3 e of the MS4 permit, the following information must be reported in the annual report:

	<b>Annual Report Requirement</b>	<b>Documentation</b>
✓	(1) A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year.	The Town confirms that the MS4 map and information table have been updated accordingly. See BMP 3.1.
✓	(2) The total number of outfalls and observation points screened during the reporting period as part of the dry weather screening program.	See BMP 3.4.
✓	(3) A list of illicit discharges to the MS4 including spills reaching the MS4 with information as follows: <ul style="list-style-type: none"> <li>• The location and source of illicit discharge</li> <li>• The dates that the discharge was observed, reported, or both</li> <li>• Whether the discharge was discovered by the permittee during dry weather screening, reported by the public, or other method</li> <li>• How the investigation was resolved</li> <li>• A description of any follow-up activities</li> <li>• The date the investigation was closed</li> </ul>	See BMP 3.5.

### **BMP 3.1 – Storm Sewer System Map**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will provide DEQ with the geodatabase or shapefiles by November 1, 2025. The Town will include in each annual report: (1) documentation of updates to the storm sewer system map and outfall table; and, (2) copies of notifications to downstream MS4s, if any.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Maintain the MS4 map and outfall information table, no later than October 1.	The Town performed a comprehensive update of the MS4 map and outfall information table in FY23 as part of the draft Phase III Chesapeake Bay TMDL Action Plan. No changes have been made since submittal of the plan to DEQ. See Appendix C for the map.
Update MS4 map and submit geodatabase or shapefiles to DEQ.	This BMP is scheduled for FY26.
Notify downstream MS4s of any new interconnections, as applicable.	No new interconnections were identified during FY24.

### **BMP 3.2 – Prohibition on Illicit Discharges**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will annually assess whether any changes are necessary to the Town Code. The Town will document any changes in the appropriate annual report.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Enforce the provisions of Section 16.2.2 of the Town Code.	The Town continued to enforce its prohibition on illicit discharges. The Town has assessed the Town Code and finds that they remain adequate to meet the MS4 permit.

### **BMP 3.3 – Written Procedures for Illicit Discharges and Illegal Dumping**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will document any changes to the written procedures during the reporting period in the associated annual reports.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Implement IDDE plan and incorporate into training.	The Town continued to implement the IDDE plan, including during dry weather outfall screening in BMP 3.4. The Town incorporated the IDDE plan into its field personnel training in BMP 6.3.

### **BMP 3.4 – Dry Weather Outfall Screening**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a summary of all dry weather outfall monitoring activities including the total number of outfalls screened, whether a risk-based approach was utilized, the screening results, and detail of any follow up actions. Tracking will be reported as part of BMP 3.5.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Annually perform dry weather screening on 50 outfalls.	The Town performed dry weather screening on 55 outfalls between February 1 and February 16, 2024. Two outfalls had dry weather flow. All outfalls were characterized as “unlikely” for illicit discharges. The Town did not utilize the risk-based approach option. See Appendix C for dry weather outfall screening results.

### **BMP 3.5 – Track and Report Illicit Discharges**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: The Town will include in each annual report a summary of all potential and actual illicit discharges in the tracking database. For each case, the Town will provide: (1) the location and source of the illicit discharge; (2) the date the discharge was observed or reported; (3) the means of discovering the discharge; (4) how the investigation was resolved; (5) follow up activities; and, (6) closure date.

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Maintain tracking database.	Four incidents were tracked and handled by the Town. See Appendix C for incidents and all information, including follow up actions, required from the MS4 permit.

### **BMP 3.6 – Site-Specific Illicit Discharge Assessment and Prevention**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: The Town will provide a summary of any pet waste stations installed at priority sites and the results of the annual walk through of medium risk and priority sites. The Town will provide a summary of the results of the annual assessment of Waters and Caffi Fields, Meadows Lane Park, and Southside Park, and any corrective actions taken to address sediment pollution.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Maintain pet waste stations at priority sites.	The Town continued to maintain all previously reported pet waste stations. No new stations were added.

Conduct walk through of medium risk and priority sites for pet waste.	See Table 6 for a summary of the FY24 walk through results. No waste was detected in FY24. See Appendix C for full report.
Assess condition of Waters and Caffi Fields, Meadow Lane Park, and Southside Park, and take corrective action as necessary.	Several minor areas of erosion and exposed soil were identified during the FY24 walk through and will be the subject of follow-up maintenance. See Appendix C for full report.

***Table 5: Results of Walk Through for Medium Risk and Priority Sites for Bacteria***

<b>Property</b>	<b>Observations</b>	<b>Follow Up Needed?</b>
Glyndon Park	No waste observed.	No action required. No pet waste in FY24, FY23, FY22, or FY21. Pet waste station installed in FY20.
Meadow Lane Park	No waste observed.	No action required. No pet waste in FY24, FY23, FY22, or FY21. Pet waste station installed in FY20.
Vienna Community Center	No waste observed.	No action required. No waste in FY24, FY23, FY22, FY 21, FY20, FY19, or FY18. Pet waste station installed in FY20.
Vienna Dog Park/Moorefield Park	No waste observed.	No action required. No waste in FY24, FY23, FY22, FY21, FY20, or FY19. Pet waste station installed.
Vienna Town Green	No waste observed.	No action required. No waste in FY24, FY23, FY22, FY21, FY20, FY19, or FY18. Pet waste station installed.

### **3.4 Construction Site Stormwater Runoff Control (MCM #4)**

In accordance with Part I E 4 e of the MS4 permit, the following information must be reported in the annual report:

	<b>Annual Report Requirement</b>	<b>Documentation</b>
✓	(1) Total number of erosion and sediment control inspections conducted.	See BMP 4.2.
✓	(2) The total number of each type of compliance action and enforcement action implemented.	See BMP 4.2.
✓	(3) [Requirement not applicable to the Town.]	NA

### **BMP 4.1 – Maintain Local Program Consistency**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a summary of any changes in program consistency, if applicable, and copies of employee certifications. By July 1, 2024, update the Town Code in accordance with the VESMA.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Implement consistent construction site stormwater control program.	The Town continued to maintain a program consistent with state law and regulations. There has been no change to the Town’s approval status.
Update the Town Code in accordance with VESMA.	The Town Code was updated June 3, 2024. See <a href="https://vienna-va.legistar.com/View.ashx?M=M&amp;ID=1115490&amp;GUID=2836C578-9BB5-4206-88AB-F8DC0CDDE702">https://vienna-va.legistar.com/View.ashx?M=M&amp;ID=1115490&amp;GUID=2836C578-9BB5-4206-88AB-F8DC0CDDE702</a>



Train all plan review, inspection, and enforcement staff and report certifications.	<p>The following maintained certifications during FY24. Certificates are in Appendix D.</p> <table border="1"> <tr> <td>Name:</td><td>Rhett Elliot</td></tr> <tr> <td>Certification #:</td><td>DIN1621</td></tr> <tr> <td>Expiration Date:</td><td>2/9/2025</td></tr> <tr> <td>Name:</td><td>John Jay Sargent</td></tr> <tr> <td>Certification #:</td><td>DCA0290</td></tr> <tr> <td>Expiration Date:</td><td>10/28/2025</td></tr> <tr> <td>Name:</td><td>Alan Chen</td></tr> <tr> <td>Certification #</td><td>SWCA0684</td></tr> <tr> <td>Expiration Date:</td><td>2/14/2026</td></tr> </table>	Name:	Rhett Elliot	Certification #:	DIN1621	Expiration Date:	2/9/2025	Name:	John Jay Sargent	Certification #:	DCA0290	Expiration Date:	10/28/2025	Name:	Alan Chen	Certification #	SWCA0684	Expiration Date:	2/14/2026
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#### **BMP 4.2 – Land Disturbing Activities Tracking System**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report: (1) a confirmation statement that land disturbing activities have been conducted in accordance with all approved standards and specifications; (2) an explanation for any projects not conducted in accordance with all standards and specifications; (3) the total number of inspections conducted; and, (4) the number and type of enforcement actions taken during the reporting period.”

BMPs from MS4 Program Plan	FY24 Activities								
Track and report annually on all land disturbing activities.	<p>The following was tracked during FY24 in accordance with the MS4 permit.</p> <table border="1"> <tr> <td>Total Regulated Activities:</td><td>161</td></tr> <tr> <td>Total Disturbed Acres:</td><td>51.72</td></tr> <tr> <td>Total Number of Inspections</td><td>2,424</td></tr> <tr> <td>Enforcement Actions:</td><td>One notice of permit required and two notice to comply letters</td></tr> </table>	Total Regulated Activities:	161	Total Disturbed Acres:	51.72	Total Number of Inspections	2,424	Enforcement Actions:	One notice of permit required and two notice to comply letters
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Total Disturbed Acres:	51.72								
Total Number of Inspections	2,424								
Enforcement Actions:	One notice of permit required and two notice to comply letters								

### **3.5 Post Construction Stormwater Management (MCM #5)**

In accordance with Part I E 5 f of the MS4 permit, the following information must be reported in the annual report:

	<b>Annual Report Requirement</b>	<b>Documentation</b>
✓	<p>(1) If the traditional permittee implements a VSMP in accordance with Part I E 5 a (1), (2), or (3):</p> <ul style="list-style-type: none"> <li>• The number of privately owned stormwater facility inspections conducted.</li> <li>• The number of enforcement actions initiated by the permittee to ensure long-term maintenance of privately owned stormwater management facilities including the type of enforcement action.</li> </ul>	Fifty-nine private facility inspections were due to the Town in FY24. All but eight inspections were received. The Town issued non-compliance letters to delinquent property owners. See BMP 5.2.
✓	(2) The total number of inspections conducted on stormwater management facilities owned or operated by the permittee.	The Town conducted 39 public facility inspections. See BMP 5.2.
✓	(3) A description of the significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned and operated by the permittee to ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection.	The Town only conducted routine maintenance activities during FY24.
✓	(4) For traditional permittees as specified in Part I E 5 a (1), a confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with Part III B 1 or a statement that the permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities (9VAC25-880).	See BMP 5.2.
✓	(5) A confirmation statement that the permittee electronically reported stormwater management facilities using the DEQ BMP Warehouse in accordance with Part III B 1 and 2.	See BMP 5.2.

✓	(6) A confirmation statement that the permittee reported stormwater management facilities inspected using the DEQ BMP Warehouse in accordance with Part III B 5	See BMP 5.2.
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### **BMP 5.1 – Maintain Local Program Consistency**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a summary of any changes in program consistency, if applicable, and copies of employee certifications. By July 1, 2024, update the Town Code in accordance with the VESMA.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>																		
Implement consistent post-construction site stormwater control program.	The Town continued to maintain a program consistent with state law and regulations. There has been no change to the Town’s approval status.																		
Update the Town Code in accordance with VESMA.	The Town Code was updated June 3, 2024.																		
Train all plan review, inspection, and enforcement staff and report certifications.	<p>The following maintained certifications during FY24. Certificates are in Appendix D.</p> <table> <tr> <td>Name:</td><td>Rhett Elliot</td></tr> <tr> <td>Certification #:</td><td>DIN1621</td></tr> <tr> <td>Expiration Date:</td><td>2/9/2025</td></tr> <tr> <td>Name:</td><td>John Jay Sergeant</td></tr> <tr> <td>Certification #:</td><td>DCA0290</td></tr> <tr> <td>Expiration Date:</td><td>10/28/2025</td></tr> <tr> <td>Name:</td><td>Alan Chen</td></tr> <tr> <td>Certification #</td><td>SWCA0684</td></tr> <tr> <td>Expiration Date:</td><td>2/14/2026</td></tr> </table>	Name:	Rhett Elliot	Certification #:	DIN1621	Expiration Date:	2/9/2025	Name:	John Jay Sergeant	Certification #:	DCA0290	Expiration Date:	10/28/2025	Name:	Alan Chen	Certification #	SWCA0684	Expiration Date:	2/14/2026
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### **BMP 5.2 – Stormwater Facility Maintenance, Inspection, and Enforcement**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report: (1) the number of private facilities inspected each year; (2) the number and type of enforcement actions taken against private facilities, if applicable; (3) the number of public facilities inspected each year; (4) a description of significant maintenance, repair, or retrofit activities performed on public facilities; (5) confirmation that new facilities were reported either through the DEQ Construction Stormwater Database or the DEQ BMP Warehouse; and, (6) confirmation that inspections of facilities were electronically reported using the DEQ BMP Warehouse.”

BMPs from MS4 Program Plan	FY24 Activities					
Require all new BMP facilities to enter into a maintenance agreement with the Town.	All new BMP facilities are subject to a maintenance agreement in accordance with Town Code Chapter 23, Article 3 “Stormwater Management.”					
Inspect private facilities at least once every five years.	The Town had 476 private facilities as of July 1, 2023 that must be inspected at least once before June 30, 2028. The following is used to track annual inspections:					
	FY24	FY25	FY26	FY27	FY28	Total %
	59					12.4%
	The Town requires facility owners to submit inspection reports certified by a qualified third party in accordance with Virginia law. See Appendix E for the inspection log.					
Inspect public facilities once annually or in accordance with an adopted alternative schedule.	The Town inspected all 39 public facilities in FY24. Results include: <ul style="list-style-type: none"><li>Two facilities with poor rating requiring maintenance</li><li>Unable to locate two facilities (may have been altered or filled)</li></ul> See Appendix E for the inspection log.					
Report new permittee facilities requiring a construction general permit to the DEQ Construction Stormwater Database.	The Town confirms that it used the DEQ Construction Stormwater Database to report all new facilities subject to a construction general permit.					
Report all new facilities (public and private) not requiring a CGP to the DEQ BMP Warehouse.	The Town confirms that it used the DEQ BMP Warehouse to report all new facilities not requiring a CGP.					
Report all facility inspections to the DEQ BMP Warehouse.	The Town confirms that it used the DEQ BMP Warehouse to report all public and private stormwater management facility inspections. See Appendix E.					

### **BMP 5.3 – Stormwater Facility Tracking Database**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will confirm ongoing maintenance of the database and submit a list of all new facilities brought online during the reporting period with the appropriate annual report.”

BMPs from MS4 Program Plan	FY24 Activities
Maintain the Town’s stormwater facility database.	The Town continued to maintain its own stormwater facility database in addition to reporting facilities to the DEQ Construction Stormwater Database and BMP Warehouse.

### **3.6 Pollution Prevention and Good Housekeeping (MCM #6)**

In accordance with Part I E 6 y of the MS4 permit, the following information must be reported in the annual report:

	Annual Report Requirement	Documentation
✓	(1) A summary of any written procedures developed or modified in accordance with Part I E 6 a and b during the reporting period.	See BMP 6.1.
✓	(2) A confirmation statement that all high-priority facilities were reviewed to determine if SWPPP coverage is needed during the reporting period..	See BMP 6.2.
✓	(3) A list of any new SWPPPs developed in accordance with Part I E 6 i during the reporting period.	See BMP 6.2.
✓	(4) A summary of any SWPPPs modified in accordance with Part I E 6 j, 6 l, or 6 m.	No modifications were required to be made.
✓	(5) The rationale of any high-priority facilities delisted in accordance with Part I E 6 l or m during the reporting period.	No high-priority facilities were delisted during the reporting period.
✓	(6) The status of each nutrient management plan as of June 30 of the reporting year (e.g., approved, submitted and pending approval, and expired).	The Town does not apply nutrients to any contiguous area greater than one acre. As a result, no NMPs have been developed.

✓	<p>(7) A list of training activities conducted in accordance with Part I E 6 d, including the following information:</p> <ul style="list-style-type: none"> <li>• The completion date for the training activity.</li> <li>• The number of employees who completed the training activity.</li> <li>• The objectives and good housekeeping procedures covered by the training activity.</li> </ul>	See BMP 6.3.
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### **BMP 6.1 – Good Housekeeping Standard Operating Procedures for Daily Operations**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a confirmation that the SOPs have been reviewed and any necessary changes have been made. In FY25, the Town will include updated and new SOPs in the annual report.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Implement good housekeeping SOPs.	The Town continued to implement its Stormwater Pollution Prevention SOPs.
Prohibit the application of deicing agents containing urea or nutrients.	The Town updated its Stormwater Pollution Prevention SOP for Snow and Deicing Operations in FY19 to prohibit deicing agents containing urea or nutrients.
Update Outdoor Material Storage and Utility Construction SOPs.	This BMP is scheduled for FY25.
Review and amend if necessary the Snow and Deicing/Anti-icing Operations SOP.	This BMP is scheduled for FY25.
Develop new SOP to cover renovation and significant exterior maintenance activities.	This BMP is scheduled for FY26.
Annually review, and update if necessary, good housekeeping SOPs.	The Town reviewed its Stormwater Pollution Prevention SOPs during FY24. No changes were required. Changes will be made in FY25 to account for changes in allowable discharges and the requirement to manage discharges to reduce impacts to receiving waters.
Incorporate SOPs into employee training.	This BMP is scheduled for FY25.

### **BMP 6.2 – Stormwater Pollution Prevention Plans for High-Priority Facilities**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report: (1) confirmation that the SWPPP is being implemented, including a sample completed site inspection checklist; (2) confirmation of the review of high-priority sites; and, (3) a description of any changes to the SWPPP or any new SWPPPs. In FY25, the Town will include the updated SWPPPs in the annual report.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Implement Northside Property Yard and Nutley Street SWPPPs.	The Town continued to implement the Northside Property Yard SWPPP. See Appendix F for completed semi-annual inspection checklists.
Review, and update as needed, the Northside Property Yard and Nutley Street SWPPP.	This BMP is scheduled for FY25.
Review Town sites and develop SWPPPs for any newly identified high-priority sites, if necessary.	No additional high-priority sites have been identified.
Review high-priority sites after incidents and update SWPPPs, if necessary.	A police vehicle at the Northside Property Yard left the fueling station with the gas hose still attached on 1/12/2024. This resulted in a small spill of about five gallons. Spill response, using the nearest spill kit, was effective in containing the spill. Additional training will be provided to Town Police. The SWPPP was reviewed, and no modifications are required. No high-priority facilities are proposed to be de-listed.

### **BMP 6.3 – Employee Training**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report: (1) the completion date for each training activity; (2) the number of employees completing each training activity; and, (3) the objectives and good housekeeping procedures covered by each training activity.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Implement employee training plan with focus on TMDL pollutants of concern.	The Town conducted annual in-person training on September 4 and 10, 2024. Training was held later than usual this year due to staff turnover. The training included WPPP implementation, illicit discharge detection and elimination, and PCBs. Sign-in sheets and the training presentation are found in Appendix F.



### **BMP 6.4 – Certification for Pesticide and Herbicide Applicators**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report verification that all employees that handle or apply pesticides and herbicides are certified by the Virginia Department of Agriculture and Consumer Services. The Town will retain the training and certification records and report this information in the annual report.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Maintain and report certifications.	Active certifications are listed in Table 7.

*Table 6: Summary of Pesticide and Herbicide Certifications*

<b>Name</b>	<b>Certification Number</b>	<b>Expiration Date</b>
Jeremy Edwards	#81434-G	6/30/2026
Nicholas Jester	#132828-T	6-30-2026
Matthew Fuller	#102781-G	6-30-2026

### **BMP 6.5 – Contractor Oversight Procedures**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report verification that the contract language is being implemented.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Implement contract language that contractors will abide by all SOPs.	The Town continues to include language in all contracts requiring contractors to be in full compliance with applicable licensing and certification requirements as well as the Town’s pollution prevention SOPs.

### **BMP 6.6 – Street Sweeping**

The MS4 Program Plan establishes the following measurable goals and evaluation criteria: “The Town will include in each annual report a summary of street sweeping activities, including curb miles swept and sweeping frequency.”

<b>BMPs from MS4 Program Plan</b>	<b>FY24 Activities</b>
Operate street sweeping program.	The Town swept 6.4 curb miles (~3.2 centerline miles) at four or more passes during FY24.

## **4 MS4 Program Plan Assessment**

The MS4 Program Plan was updated effective April 30, 2024 to address the requirements of the current MS4 permit. DPW continues to be responsible for overall stormwater planning, operations, and the administration of the Town's MS4 permit.

In accordance with the MS4 permit, the Town has evaluated the MS4 Program Plan, including a review of each MCM. The Town finds that the BMPs established to implement the MCMs are effective and that no changes are required at this time.

## **5 Chesapeake Bay TMDL Action Plan**

In accordance with Part II A of the MS4 permit, the Town submitted to DEQ a draft Phase III Chesapeake Bay TMDL Action Plan on September 27, 2023. A final Phase III Chesapeake Bay TMDL Action Plan will be submitted prior to November 1, 2024. Per Part II A 14 of the MS4 permit, the Town is submitting a separate Chesapeake Bay TMDL implementation status report in the format specified by DEQ. Appendix G summarizes the status of the Town's Chesapeake Bay TMDL efforts.

## **6 Local TMDL Action Plans**

In accordance with Part II B 11, the following provides an update on the status of the Town's PCB TMDL Action Plan, Benthic TMDL Action Plan for Difficult Run and Accotink Creek, Bacteria TMDL Action Plan for Difficult Run and Accotink Creek, and Chloride TMDL Action Plan for Accotink Creek.

### **6.1 Bacteria TMDL Action Plan for Difficult Run and Accotink Creek**

The following table summarizes progress made by the Town to implement the Bacteria TMDL Action Plan for Difficult Run and Accotink Creek. All actions have been integrated into the MS4 Program Plan and are addressed in Section 3 of this annual report.

***Table 7: Summary of Bacteria TMDL Action Plan Implementation***

<b>Element</b>	<b>Description</b>	<b>Implementation Mechanism and Schedule</b>	<b>FY24 Update</b>
Restaurant Education	The MS4 Program Plan (BMP 1.6) includes education of restaurants on preventing illicit discharges of bacteria to the MS4.	Information to restaurants, including bacteria prevention, will be sent in FY26.	To be completed. See BMP 1.6.
Signage at Medium Risk and Priority Sites	The MS4 Program Plan (BMP 1.5) includes the installation of signage at medium risk sites (as well as any priority sites that were not first identified as medium risk sites) to encourage pet walkers to clean up pet waste and to alert them of the fines that may be imposed for non-compliance.	Initial signage was installed in FY18. Signage was added at the Town Green in FY20. The Town will install additional signage within one year of the identification of a property as medium risk or a priority site.	Signage continues to be maintained.
Pet Waste Stations at Priority Sites	The MS4 Program Plan (BMP 1.5) includes installing pet waste stations at priority sites to provide a convenient place to dispose of pet waste in areas where concentrated levels of pet waste are expected or observed.	The Town will install pet waste stations within one year of the identification of a property as a priority site. Five new stations were installed in FY20.	Stations continue to be maintained.
Annual Site Assessment	The MS4 Program Plan (BMP 3.6) includes conducting an annual walk through of medium risk and any future priority sites. The walk through is used to determine whether medium risk sites should be re-classified as priority sites and to assess the effectiveness of implemented management strategies.	Assessments occur annually, between April 1 and June 30.	See BMP 3.6 for FY24 results.

## **6.2 Sediment TMDL Action Plan for Difficult Run and Accotink Creek**

The following table summarizes progress made by the Town to implement the Sediment TMDL Action Plan for Difficult Run and Accotink Creek. All actions have been integrated into the MS4 Program Plan and are addressed in Section 3 of this annual report.

***Table 8: Summary of Sediment TMDL Action Plan Implementation***

<b>Implementation Item</b>	<b>Description</b>	<b>Schedule and Milestones</b>	<b>FY24 Update</b>
MS4 Program Plan	The MS4 Program Plan was updated to reflect the actions of the Sediment TMDL Action Plan.	See MS4 Program Plan for implementation schedule.	Completed. Updated for new permit requirements in April 2024.
Chesapeake Bay TMDL Action Plan	The Town will continue to implement the final Phase II Chesapeake Bay TMDL Action Plan, including actions to reduce sediment.	See Chesapeake Bay TMDL Action Plan for implementation schedule. Document additional sediment reductions in annual reports.	The Town submitted a draft Phase III Chesapeake Bay TMDL Action Plan to DEQ in September 2023. FY24 reductions have been sent under separate report to DEQ.
Town Owned Property: Northside Property Yard SWPPP	The Town will continue to implement the Northside Property Yard SWPPP and will implement the recommendations of the Northside Property Yard Stormwater Design Improvements Conceptual Report.	Review and update the SWPPP in FY2021 in accordance with the MS4 Program Plan. Provide updates on CIP improvements in the MS4 annual report.	The Town updated the SWPPP in FY21. The SWPPP is scheduled to be reviewed and updated in FY25.
Town Owned Property: Sports Fields	The Town will continue to annually assess the condition of Waters and Caffi fields and take corrective action, if necessary, to ensure that they are not a source of sediment pollution. Beginning FY2021, Meadows Lane Park and Southside Park will be added to the annual	Assessments occur annually, between April 1 and June 30.	See BMP 3.6 for FY24 results.

Implementation Item	Description	Schedule and Milestones	FY24 Update
	assessment schedule.		
Town Owned Property: Nutley Street Maintenance Yard	The Town will develop a SWPPP for the Nutley Street Maintenance Yard.	Complete no later than December 31, 2020 and include in the subsequent MS4 annual report.	The Town completed the SWPPP in FY21. The SWPPP is scheduled to be reviewed and updated in FY25.
Town Owned Property: Beulah Road Lot	The Town will incorporate the Beulah Road Lot into the Northside Property Yard SWPPP.	Complete with the scheduled review and update of the SWPPP in FY2021 in accordance with the MS4 Program Plan.	Completed, see above.
Stormwater Pollution Prevention Public Education and Outreach Plan	The Town will continue to implement the Stormwater Pollution Prevention Public Education Plan, including elements related to sediment. The implementation schedule has been integrated into the MS4 Program Plan.	See MS4 Program Plan for implementation schedule.	Completed.

**Table 9: Summary of Sediment Reductions for Accotink Creek**

Means and Methods	Status	FY24 Reductions	Cumulative Reductions
Redevelopment	No additional redevelopment projects were in Accotink Creek.	0.00	1,427.16
Shared Credit Projects – Retrofits	No additional shared structural retrofit projects were in Accotink Creek.	0.00	15,570.10
Shared Credit Projects – Stream Restoration	Two new stream restoration projects were in Accotink Creek (Accotink Tributary @ Danbury Forest and Crook Branch @ Mantua Hills).	240,278.15	1,118,378.86
<b>Total</b>		<b>240,278.15</b>	<b>1,135,376.12</b>

**Table 10: Summary of Sediment Reductions for Difficult Run**

Means and Methods	Status	FY24 Reductions	Cumulative Reductions
Redevelopment	No additional redevelopment projects were in Difficult Run.	0.00	7,405.22
Shared Credit Projects – Retrofits	No additional structural retrofits were in Difficult Run.	0.00	24,539.37
Shared Credit Projects – Stream Restoration	Five new stream restoration projects were in Difficult Run (Rocky Branch Trib @ Ashlawn Park, Rocky Run Trib @ Dulles Access Road, Madison Meadows Lane, Sorrel Ridge Lane, and Boehms Court).	49,432.77	1,411,107.47
<b>Total</b>		<b>49,432.77</b>	<b>1,443,052.06</b>

### **6.3 PCB TMDL Action Plan Implementation**

The following table summarizes progress made by the Town to implement the PCB TMDL Action Plan. All actions have been integrated into the MS4 Program Plan and are addressed in Section 3 of this annual report.

**Table 11: Summary of PCB TMDL Action Plan Implementation**

Implementation Item	Description	Schedule and Milestones	FY24 Update
Education and Training	BMP 6.3 of the MS4 Program Plan provides that training material will include information relevant to PCB discharges.	Training in FY19, FY21, and FY23.	Training was provided again in FY24. See training presentation in Appendix F for specific reference to PCBs.

### **6.4 Chloride TMDL Action Plan Implementation**

The Chloride TMDL Action Plan was adopted in FY21, with implementation reporting beginning in FY22. The following tables include actionable strategies from the plan. Table 14 shows the status of the “Fundamental 5 Priorities.” The goal of the plan is to implement the “Fundamental 5 Priorities” during the current permit cycle. Table 15 shows education and outreach strategies.

**Table 12: Summary of Chloride TMDL Action Plan – Fundamental 5 Priorities**

<b>BMP</b>	<b>Description</b>	<b>Status from Plan</b>	<b>Follow Up Needed</b>	<b>FY24 Update</b>
Winter Operations Planning	Develop a winter maintenance plan.	Partially implemented.	Review SOP against SaMS Winter Maintenance Plan and revise as needed.	Updated SOP and winter maintenance plan comply with principles established by SaMS. See Appendix G. Application rates are minimized to the extent practical.
	Plan snowplow routes.	Implemented.	None. Primary streets are cleared first, followed by secondary, and then neighborhood streets.	Completed. No changes in the Town's plow routes.
Levels of Service	Communicate LOS internally.	Review.	Define the Town's LOS and expectations.	Level of service defined in the SOP.
	Communicate LOW externally.	Review.	Communicate LOS to elected officials and Town residents.	The Town Council, Town Manager, and other department heads are informed of LOS and SOP during annual department presentations.
Training	Training program.	Implemented.	Document and refine training program based on other BMPs.	Training program implemented. See Appendix G for sign-in sheets.
Calibration	Establish calibration procedures.	Implemented.	Document calibration process to ensure consistency.	Staff instructed on proper equipment calibration during training. All equipment is calibrated in accordance with the manufacturer's instructions and the specified application rates. Instructions are kept at the Northside Property Yard and referenced prior to any storm event.

BMP	Description	Status from Plan	Follow Up Needed	FY24 Update
	Calibrate equipment.	Implemented.	None.	Equipment calibration includes plow speed, gate height, auger speed, and spreader settings. Settings are determined prior to each shift and checked by supervisor.
Measurement	Measure and record deicer use.	Review	Utilize a standard process to measure and record annual deicer use over time.	Completed. See Appendix G for salt application tracking sheets.

**Table 13: Summary of Chloride TMDL Action Plan – Outreach Strategies**

Audience	Strategy	Timeline	FY24 Update
Single Family Residential	Distribute message on proper use of deicing/anti-icing materials through one of the following: (1) press release; (2) Vienna Voice; (3) Town Calendar; (4) water bill	Annually (ideally immediately before winter months).	The January 2024 Vienna Voice included an article on smart salt use. See Appendix A.
Single Family Residential	Distribute deicing/anti-icing message using a social media platform.	Annually (ideally immediately before winter months).	Posted on social media three times during FY24. See Appendix A.
HOA/Condominium Associations	Distribute deicing/anti-icing fact sheet to HOA/condominium associations.	One during permit cycle (FY22 or FY23).	Next scheduled for FY27 or FY28.
HOA/Condominium Associations	Develop presentation on proper deicing/anti-icing techniques for use at HOA/condominium association meetings.	Beginning FY22.	This BMP was delayed and will occur in FY25.
Commercial/ Institutional	Distribute deicing/anti-icing fact sheet to commercial/ institutional property owners.	Once during permit cycle (FY22 or FY23).	Next scheduled for FY27 or FY28.



## **7 Ecosystem Restoration Projects for TMDL Compliance**

In accordance with Part II C of the MS4 permit, the Town must develop and maintain written inspection and maintenance procedures for ecosystem restoration projects implemented as part of TMDL compliance no later than November 1, 2026. The Town must then inspect ecosystem restoration projects no later than November 1, 2028.

## **APPENDIX A**

### **Public Education and Outreach (MCM #1)**

#### Social Media Posts

- Car Washing
- Fertilizers
- Illicit Discharges
- Dog Waste
- Salt/Chloride

#### 2024 Water Quality Report

#### 2024 Town Calendar – Illicit Discharge Reporting

#### Vienna Voice

- Pet Waste (December 2023)
- Salt (January 2024)
- Lawn Care (May 2024)

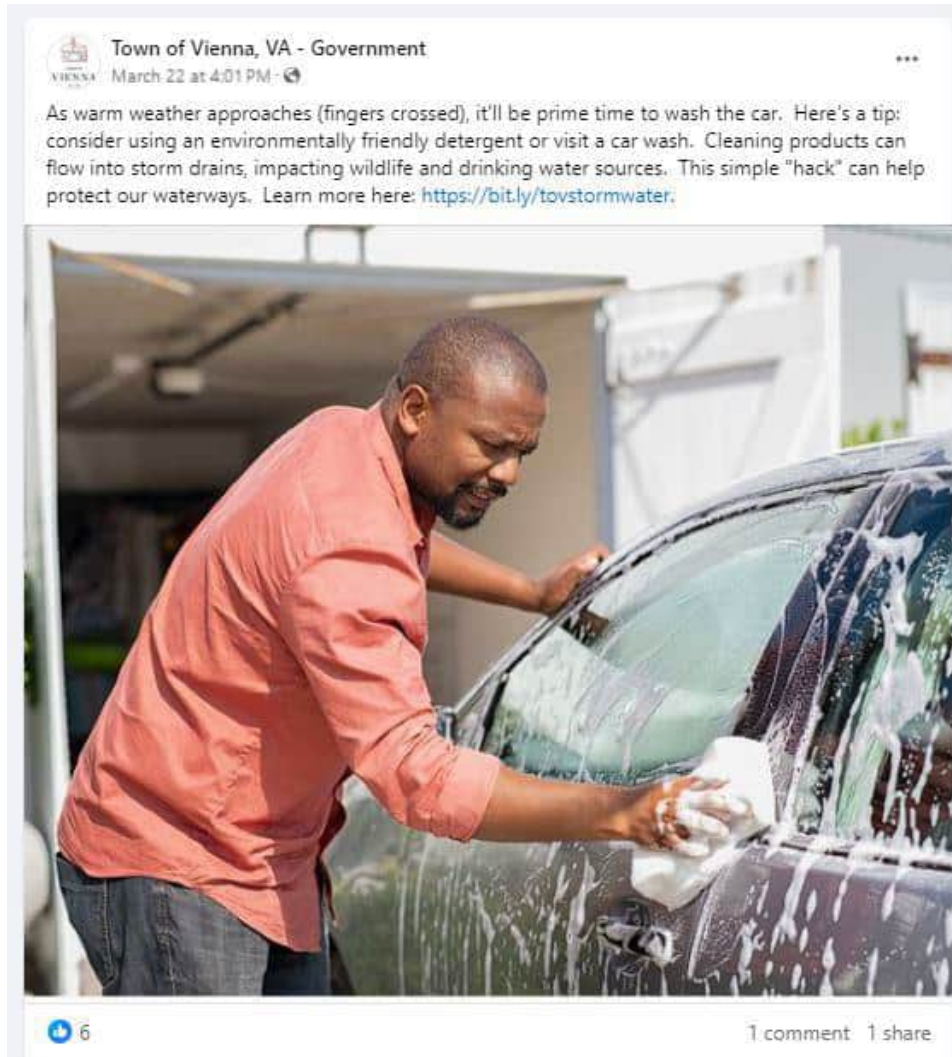
#### Town Business Matters

- Pet Waste

#### Clean Water Partners Program 2024 Summary

## FY24 – Town of Vienna Social Media Posts

### BMP 1.1 – General Outreach (Car Washing)



## BMP 1.3 – Chesapeake Bay Nutrients

 Town of Vienna, VA - Government  
May 9 · 🌐

Doing yard work this spring? Here's a tip: Fertilizer can help create a lush, green lawn however, spilt, or unused fertilizer left on the ground can get into our stormwater. Apply fertilizer only when necessary, at the recommended amount. If you need to fertilize early, limit it to a half-pound of 10-10-10 per 1000 square feet. Happy gardening!



4 1 comment 1 share

👍 Like    💬 Comment    ➦ Share

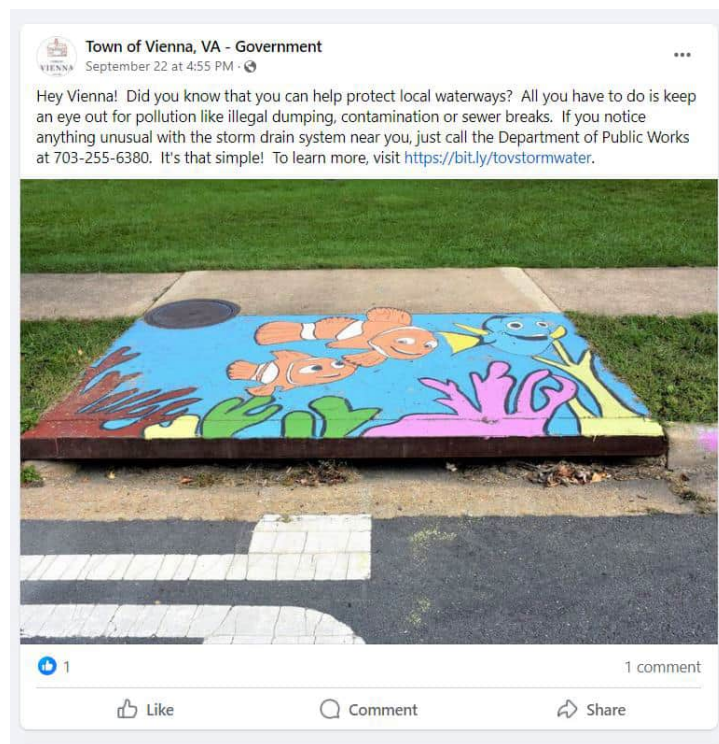
 Town of Vienna, VA - Government  
1d · 🌐

[#greentipoftheweek](#) Create a better yard this fall by mowing over fallen leaves and chopping them into small pieces. The "leaf mulch" will fall into the grass and decompose quickly. You know you're done when you can see about half an inch of grass through the mulched leaf layer. The more you know! [#SustainableViennaVa](#)



4

## BMP 1.4 – Sediment and Other Illicit Discharges





## BMP 1.5 – Bacteria from Pet Waste



Town of Vienna, VA - Government

2d · 🌐

Friendly Reminder: Please pick up after your pooch! Pet waste left behind can enter our waterways, make people and animals sick, and damage the ecosystem in and around the water. Help prevent this and do your part by picking up after your pet, bagging it, and trashing it. It's that simple, and the environment will thank you for it!



👍 3

## BMP 1.7 – Chloride



Town of Vienna, VA - Government

January 6 · 🌐

...

#cscgreentipoftheweekend It looks like Old Man Winter might pay us a visit today and bring some winter weather! As you prepare, keep this in mind: shovel first and go easy on the deicers. Excess salt (any product containing chloride) contaminates local streams. One coffee mug full will treat a 20-foot driveway. Stay safe, warm, and dry out there! #SustainableViennaVa



  10

2 comments · 1 share



Town of Vienna, VA - Government

January 18 · 🌐

...

As the next round of wintry weather approaches, think less is more. A little salt can go a long way! To prevent salt from entering waterways, here are some tips: Don't use more than recommended. Sweep up the salt after the snow melts. And lastly, let good ole sunshine do the trick! You can always use alternatives like sand, as well.



 45

10 comments · 2 shares

 Like

 Comment

 Share



Town of Vienna, VA - Government

December 15, 2023 · 🌐

...

Here's a winter prep pro tip: When applying salt/deicers, think less is more. Deicers can help us get around safely, but too much can cause corrosion and damage to vehicles and roads and impact aquatic life and local drinking water. Scatter it so there's space between the grains—a little goes a long way! And consider removing the snow often before it turns to ice. [#thetmoreyouknow](#)



👍👍👍 6

3 comments 3 shares





TOWN OF  
**VIENNA**  
*Public Works*

# **TOWN OF VIENNA**

**(PWSID 6059800)**

## **2024 ANNUAL WATER QUALITY REPORT**

**SUMMARIZING 2023 DRINKING WATER  
QUALITY TEST RESULTS**

**Department of Public Works, 127 Center Street South, Vienna, VA 22180**



## GET INVOLVED – PROTECT YOUR WATER SOURCES

A watershed is an area of land that drains to a particular point along a stream or river. The best way to protect the Potomac River from contamination is to help protect the watershed.

Here are several ways to help protect your drinking water supply:



- **Use less fertilizer.** Test your soil before application and follow the manufacturer's instructions.
- **Apply fertilizer in the fall** to help reduce nitrogen and phosphorus runoff or leaching often caused by heavy spring rains.
- **Leave grass clippings on lawn** as a natural fertilizer.
- **Mow grass to proper height** - three inches is recommended.
- **Plant native or well-adapted plants** that are likely to require less water, fertilizer, and pesticides.
- **Flush pet waste** down the toilet or wrap securely and place in trash.
- **Don't pour chemicals down the drain.** Dispose of household chemicals through a hazardous waste recycling program such as the Fairfax County's Household Hazardous Waste Disposal Program.
- **Don't flush unused pharmaceuticals.** Find a drug take-back location or properly dispose of medication in the garbage.
- **Prevent trash and debris** from entering storm drains and catch basins. To report a clogged drain or basin, call 703-255-6380.
- **Report spills** that could potentially enter waterways by calling 703-255-6380. After regular business hours, call the Vienna police non-emergency number at 703-255-6366.
- **For more information** on stormwater management within the Town, visit [viennava.gov/stormwater](http://viennava.gov/stormwater).



## GET INVOLVED – BE FERTILIZER SMART

Smart fertilizer application follows a less is more approach. Fertilizers contain nutrients, like phosphorus and nitrogen, which harm the health and water quality of our local streams and the Chesapeake Bay. Plants can only utilize a certain amount of fertilizer, and the excess washes away with the rain into our streams. Proper management of applied fertilizers and pesticides to lawns and landscapes helps prevent nutrient pollution and protect water quality.

Here are some helpful tips to keep in mind.

- Before applying fertilizer, test soil to determine the correct application rate.
- Fall is the best season to fertilize.
- Never apply fertilizer before it rains.
- For more information, please visit [onlyrain.org](http://onlyrain.org).



## WHAT IS THE HARDNESS OF THE TOWN'S WATER?

Vienna's water can be classified as moderately hard to hard. The historical range on our water hardness is 5 – 10 grains per gallon (80 – 170 mg/L). Hard water is high in dissolved minerals, largely calcium and magnesium. You may have felt the effects of hard water, literally, the last time you washed your hands. Depending on the hardness of your water, after using soap to wash you may have felt like there was a film of residue left on your hands. In hard water, soap reacts with the calcium (which is relatively high in hard water) to form "soap scum". When using hard water, more soap or detergent is needed to get things clean, be it your hands, hair, or your laundry. While hard water is not a health risk. It may, however, be a nuisance causing mineral buildup on fixtures and poor soap and detergent performance. Some people choose to soften their water. Before you soften your water, weigh the benefits of hard water while it can be a valuable source of essential dietary nutrients, like calcium and magnesium. It is less likely to cause pipe corrosion. It often tastes better. Many water softeners operate by adding sodium to the water in exchange for the minerals causing the hardness. This may be a concern for those who must restrict their sodium intake. Consider the options that will work best for you. Additional information on treating water may be found at [nsf.org/testing/water/water-treatment](http://nsf.org/testing/water/water-treatment).



## 2024 Town Calendar with Illicit Discharge Reporting Information

### Protect Local Water Sources

Town of Vienna storm drains connect directly to local streams and ultimately to the Chesapeake



Bay. Because these water sources support life, our storm drains should involve only stormwater runoff. Town storm drains display Only Rain markers, and some are painted with reminders to protect our municipal storm sewer system waste. Please report any potential illicit discharges to the Department of Public works, 703-255-6380 or [DPW@viennava.gov](mailto:DPW@viennava.gov) or via the **Vienna Connect** phone app or online: [www.viennava.gov/viennaconnect](http://www.viennava.gov/viennaconnect).

**Pet Waste Disposal:** Pet waste left on lawns or streets can wash into nearby streams or be carried by runoff into storm drains. Bacteria in pet waste is harmful to local water quality and is a potential health hazard. Vienna's "pooper scooper" ordinance requires dog owners to clean up after their pets and put the waste in their regular trash.



## Hazardous Household Waste Disposal Information from Town Website

### HAZARDOUS WASTE

The Town of Vienna **does not** pick up household hazardous waste products, which includes:

- fluorescent light tubes
- fuel tanks
- insecticides
- paints
- solvents

Many household hazardous waste products, including those listed above, may be disposed of via the Fairfax County Transfer Station at 4618 West Ox Road. Find more information about the [county's household hazardous waste program](#) online or by calling 703-324-5068.



# VIENNA Voice

OFFICIAL NEWSLETTER OF THE TOWN OF VIENNA, VIRGINIA • [WWW.VIENNA.VA.GOV](http://WWW.VIENNA.VA.GOV)

DECEMBER  
2023

## New Traditions Take Root on the Town Green

**T**his year's holiday season is going to be one for the record books as the festivities will include a traditional, decorated evergreen tree on the Freeman Store lawn, and a chance for residents to create their own festive holiday display alongside the grand holiday tree! Up to three displays are permitted in the public space, and selections were being made at press time via a holiday display lottery.

"We live in a multicultural community, and we wanted to provide an opportunity for various winter holiday traditions to be honored in our public space," said Vienna Town Manager Mercury Payton. "Residents from all walks of life gather on the Town Green for celebrations throughout the year, and we look forward to seeing various festive displays that represent our diverse community during the season of light."

The holiday display lottery was announced in November, and applicants were required to submit a photo or drawing of their entry celebrating the season or winter holiday. Applicants were also invited to work with the Town's Parks and Recreation Department to plan a one-time, celebratory gathering to commemorate their display. Displays were required to be installed between Nov. 28 and Dec. 3 and may remain on the Town Green lawn until Jan. 10, 2024. Happy Holidays, Vienna! 🎄

"We live in a multicultural community, and we wanted to provide an opportunity for various winter holiday traditions to be honored in our public space"

### IN THIS ISSUE



**You're  
Invited**



**Bridge  
Update**



**Halloween  
Parade Awards**





## Mayor's Pet of the Month

**M**eet Snickers! This 11-year-old Golden Retriever is about as sweet as her name implies, and the Shiell family loves her almost as much as she loves them! She's a great big sister to her younger sibling, a 4-year-old Golden Dublin, and she gives the sweetest hugs and cuddles. Snicker's favorite part of her day is her daily walk on the W&OD trail.

Congratulations, Snickers! You're the Mayor's Pet of the Month! 🐾

Nominations for Mayor's Pet of the Month are accepted on an ongoing basis. To nominate your pet, send an email to [Mayor@viennava.gov](mailto:Mayor@viennava.gov) with your pet's name, type of pet (please be specific), a photo of your pet, and three reasons why you think your animal should be recognized.

## Reporting Water Main Breaks



**C**old weather brings comfy sweaters, snow and - water main breaks! If you see running water on Town of Vienna streets or sidewalks, please call the Public Works Department at (703) 255-6380 during business hours or police dispatch at (703) 255-6366 after hours. Please don't delay! The longer a water main break goes

unattended, the greater the damage to the road.

Once public works staff verifies a water main break and surrounding utilities have been marked by Miss Utility, Town work crews will excavate the area and surrounding compromised road, repair the break and finish with temporary asphalt. Permanent asphalt will be installed in the spring. 🐾

## Be a Good Neighbor - Pick up After Your Pet

**P**icking up after your pet is a neighborly thing to do. Did you know pet waste left behind can enter waterbodies, make people and animals sick, promote weed and algae growth, and damage the health of the ecosystem in and around the water? Being a responsible pet owner can help keep our environment clean and healthy for everyone to enjoy. It's easy to do. Consider carrying compostable poop bags with you. Then scoop it, bag it and trash it. Be an example to others and a great neighbor! 🐾



## Coming Soon!

**T**he 2024 Town of Vienna calendar is on the way! Town residents and businesses will soon receive a copy by mail, and additional copies will be available for pickup at the Patrick Henry Library, the Vienna Community Center and Vienna Town Hall. The new calendar features photographs from the Vienna Photographic Society, a schedule of Town events and public meetings, and helpful information about Town services and ways you can get involved in the community. The free calendar is expected to arrive before the start of the new year. 🐾

# VIENNA VOICE

OFFICIAL NEWSLETTER OF THE TOWN OF VIENNA, VIRGINIA • [WWW.VIENNA.VA.GOV](http://WWW.VIENNA.VA.GOV)

JANUARY  
2024

## New Year, New Council!

**V**ienna's new Town Council is set to be sworn in on Tuesday, Jan. 2, 2024, at 6 p.m. at Town Hall. For the first time ever, the Mayor and all six Town Council members will be sworn in at the same time. Prior to the November 2023 election, Mayor and Council seats were up for election in May on a staggered, two-year-term basis. Because of a change in state election laws, municipal elections were required to move to the November General Election ballot.

Mayor Linda Colbert and returning Councilmembers Chuck Anderson, Ray Brill and Howard Springsteen will take the oath of office along with new Councilmembers Sandra Allen, Roy Baldwin, and Jessica Ramakis. After the ceremony, the Council will adjourn to a conference session to go over parliamentary procedure. The swearing in ceremony and the conference session are open to the public. 🗳️



### IN THIS ISSUE



**2** Winning  
Lights



**5** Salt  
Scoop



**7** Flagging  
Crime

Top: Mayor Linda Colbert  
Council Members, from Left to Right:  
Howard Springsteen  
Chuck Anderson  
Jessica Ramakis  
Ray Brill  
Roy Baldwin  
Sandra Allen





## What is it about Vienna?

BY MAYOR LINDA COLBERT



**A**s Mayor, I am constantly talking with people about Vienna. I love meeting residents and always ask them why they chose to live in Vienna. Physical attributes like proximity to D.C., Tysons and the Metro, good schools, the W&OD Trail, and parks are mentioned. When I ask people why they stay in Vienna the answer always has the word community in it. Lifelong residents have deep roots in our town and take pride that their hometown has always been unique.

So, what is it about Vienna that attracts people and makes

them want to call it home?

The following are the most frequent responses I hear:

**Safety** – Residents value that Vienna’s crime rate is low, that they feel safe walking almost everywhere and they appreciate the security local non-profit organizations provide year-round to address basic needs in our community, fostering a high level of trust and care.

**Sense of Community** – From the Town’s Chillin’ on Church summer block parties to smaller gatherings in individual neighborhoods where children play together and adults enjoy fellowship, it is clear Vienna values opportunities to connect with their neighbors.

**Hometown Pride** – Sharing an identity bonds us all, and Vienna’s small-town charm, and close-knit community in the shadow of Tysons and the nation’s capital is very special.

**Shared Interests** – Common interests and purposes such as Town events, athletic teams, scout troops, art, Town commissions, local businesses, schools and



non-profits bring us together as volunteers and supporters.

**Healthy Lifestyles** – Vienna’s walkable community and fitness opportunities are highly valued among residents. From the W&OD Trail, sidewalks, the Community Center, athletic courts and fields to one of the town’s many health clubs, the options for fitness are almost limitless.

This month, the results from the Townwide survey will inform our community about how residents rate services and the quality of life here. However, it is from

conversations where I learn the intangible reasons Vienna is so special to us. People are connected, and care about our community. Let me know why you love Vienna and if you would like to get more involved in our town. We are #OneVienna. 📌

## For Winter Weather Cleanup - Less is More!

**W**hen Old Man Winter dumps ice and snow on the area, please go easy on the rocks! A little salt goes a long way in deicing driveways, sidewalks and other surfaces to ensure pedestrian and motorist safety. Too much salt can cause vehicle corrosion, damage sidewalks and roads over time, and contaminate streams impacting fish and human drinking water sources. When applying salt, think less is more. One coffee mug of salt can treat a 20-foot driveway. Scatter it so there is plenty of space between grains. You can also reduce the need for salt by removing snow in stages as it falls and before it turns to ice. This way, you’ll be able to use less deicer, and it will be more effective on a slick surface that’s not so deep! 📌





# VIENNA Voice

OFFICIAL NEWSLETTER OF THE TOWN OF VIENNA, VIRGINIA • [WWW.VIENNA.VA.GOV](http://WWW.VIENNA.VA.GOV)

MAY  
2024

## 40 Years of Fun!

**V**iVa! Vienna is almost “over the hill.” Since 1984, people of all ages have come together to celebrate the warm-weather season in Vienna at this beloved Memorial Day weekend event. This year, the festival is set to mark its milestone 40th anniversary from May 25-27, on historic Church Street!

The whole family can enjoy seemingly endless carnival rides, games, live entertainment across three stages, and shopping booths and vendors (including arts, crafts and locally made artisan items). If that’s not enough, don’t forget about the countless culinary delights from all over the world with options for every kind of craving. On Monday, May 27, at 1 p.m., the main stage will feature a Memorial Day tribute to those who lost their lives in service to our country.

Returning this year is Brewfest Beer Garden on Mill Street, featuring an array of beer from local breweries, wine, more food options, and live music. While Brewfest is open to all ages, those who wish to purchase and consume alcohol must provide a valid I.D. to verify legal age, obtain a wristband and show the wristband when purchasing alcoholic beverages. All alcohol must be consumed within the restricted area of Brewfest.

This Town tradition is hosted by The Rotary Club of Vienna in partnership with the Town of Vienna. It serves as a major fundraising opportunity for the Rotary Club, which uses the proceeds to support charitable, educational and community groups in the Vienna area. In its inaugural year, 1984, ViVa! Vienna raised \$2500, enabling local children to attend summer camp. In 2023, the event raised nearly \$200,000 bringing the 40-year total raised to more than \$3 million! This year, for its 40th anniversary, Rotary hopes to raise \$250,000 for charitable causes.

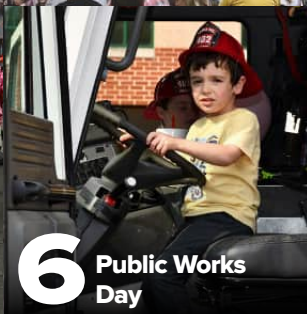
For more information, including daily schedules, maps, and parking details, visit [www.vivavienna.org](http://www.vivavienna.org). 



### IN THIS ISSUE



**2** Annex  
Comes Down



**6** Public Works  
Day



**6** Native Plant  
Sale







## Green Tips for a Lush Lawn

**A**re you looking for a healthy, lush, green lawn? When it comes to using fertilizer, you can obtain the yard you've always wanted and help protect the environment, too! Follow these simple tips to create a healthy lawn that's less susceptible to weeds and disease:

- Apply fertilizers only when it's necessary and at the recommended amount.
- If rain is in the forecast, hold off on applying fertilizer or it will be washed away and pollute the waterways.
- If you need to fertilize early, limit it to a light feeding (half-pound of 10-10-10 per 1000 sq. ft.) after the initial flush of growth has subsided in May or early June. Fertilizing too early encourages leaf growth at the expense of root development.
- Leave your mowed grass clippings on the lawn. They can cut down on your need for fertilizer and provide nitrogen and other nutrients to the soil.

If you spill fertilizer on sidewalks or driveways, sweep it up and reuse it later. This way it won't get washed into our streams and rivers. ♻️



## Celebrate National Bike Month

**M**ay is National Bike Month, and Vienna's low-speed and low-volume streets, picturesque scenery, and parkland trails provide the perfect incentive to explore the area by bike! Ready to roll? Here are some of the local National Bike Month activities planned for Vienna:

**Wednesday, May 8 – National Bike and Roll to School Day.** Students are encouraged to bike to school, and several schools have "Bike Trains" where students meet up and ride together to school. Check your school for local dates, times, and locations.

**Friday, May 17 – Bike to Work Day.** Leave your car at home and bike to work during this free, regional event sponsored by the Metropolitan Washington Council of

Governments and the Washington Area Bicyclists Association (WABA). The Town's Bicycle Advisory Committee will host the Vienna Pit Stop from 6:30-9:30 a.m. at the Town Green. Bike techs will be on-hand to assist with minor repairs. To register, visit

[www.biketoworkmetrodc.org](http://www.biketoworkmetrodc.org).

**Sunday, May 19 – Family Bike Ride.** Join the Town's Bicycle Advisory Committee for a fun, casual, family bike ride around Town. The six-mile ride from 10 a.m. to 12 p.m. begins and ends at the Community Center and most of the ride will take place on Town streets. This event is free. Bring your bike, helmet (required), and a water bottle. Bike techs will be on-hand to assist with minor repairs.

Are you interested in more rides? Our town's three bike shops offer organized rides throughout the year, not to mention bike maintenance classes. For more information, contact the shops directly. ♻️

## Mayor's Pet of the Month

**M**eet Buddha! This Tibetan Spaniel is just like his name implies: he's soft, sweet, and a great guardian and teacher to the family's newest puppy, Falkor (also known as "Luck Dragon" from the "Never Ending Story"). Buddha sometimes gets mistaken as a puppy thanks to his playful demeanor, but the 19-year-old pooch has helped guide the Matanov family's two children, Landon and Skye, their whole lives.

Congratulations, Buddha! You're the Mayor's Pet of the Month! ♻️

**Nominations for Mayor's Pet of the Month are accepted on an ongoing basis.** To nominate your pet, send an email to [Mayor@viennava.gov](mailto:Mayor@viennava.gov) with your pet's name, type of pet (please be specific), a photo of your pet, and three reasons why you think your animal should be recognized.



## **Town Business Matters Articles – Bacteria from Pet Waste**

### **Keep our Waters Clean - Pick up After Your Pet**

Picking up after your pet isn't just a neighborly thing to do, it can help keep us healthy. Pet waste doesn't just decompose. It can add harmful bacteria and nutrients to our waterways and drinking water sources, if not disposed of properly. This can make people and animals sick and damage the health of the ecosystem in and around the water. Being a responsible pet owner can help keep our environment clean and healthy for everyone to enjoy. It's easy to do. Carry poop bags with you. Then scoop it, bag it and trash it. Be a great neighbor and an example to others!

The graphic is saved on the shared drive here: **\\TH-media-01\TOV Employees Photos - Official TOV\2024\Public Works\Water & Sewer**. Picture name is **Bacteria Dog (Canva)**.



## Town Business Matters Articles – Bacteria from Pet Waste



### **Clean water is everyone's business**

As warm weather draws us - and our pets - outside more, the Town of Vienna's Public Works team is sharing an important message.

Pet owners are reminded to pick up their pet's waste. It's not just the neighborly thing to do; it keeps our water clean and keeps us healthy.

Pet waste doesn't just decompose. It can add harmful bacteria to our waterways and drinking water sources if not disposed of properly. This can damage the health of the ecosystem in and around the water, and could lead to sickness in people and animals.

Is your business located in a busy, dog-friendly area? Consider offering waste bags to customers to support the Town's effort to keep the environment clean and healthy. Scoop it, bag it, and trash it!

***More from Public Works***



# Northern Virginia Clean Water Partners

Annual Summary of Results  
July 1, 2023 - June 30, 2024

This summary was produced by the Northern Virginia Regional Commission  
on behalf of the 2024 Clean Water Partners.





## Stormwater Pollution in Northern Virginia

Water bodies in Northern Virginia, including the region's numerous streams, lakes, and rivers, provide a range of environmental, social, and economic benefits to surrounding communities. However, when waterways are polluted and water quality becomes impaired, their key resources are reduced and result in negative impacts to both humans and the natural environment.

Polluted stormwater runoff is the number one cause of poor water quality in Northern Virginia's waterways. When it rains and snows, water runs off streets, driveways, yards and parking lots and mixes with pollutants, such as litter, fertilizer, pet waste, road salt, and auto fluids. These pollutants then enter storm drains on the street and are discharged directly into nearby streams.

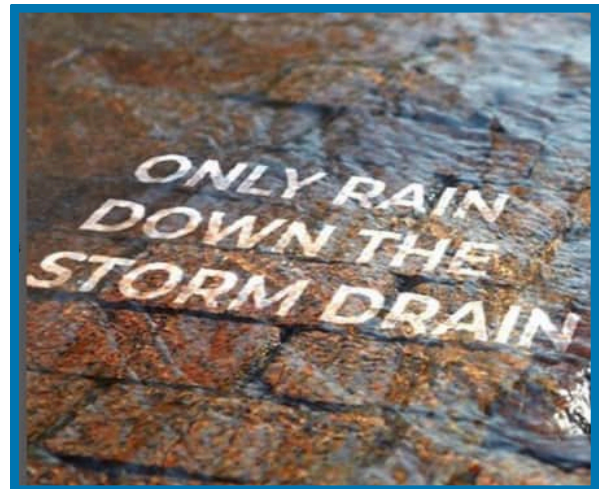
To reduce the impacts of stormwater pollution, the Northern Virginia Clean Water Partners joined together to improve residents' knowledge and behaviors through an ongoing public education campaign.

## About the Partnership

The Northern Virginia Clean Water Partners (NVCWP) is composed of a group of local governments, drinking water and sanitation authorities, and businesses that share the common goals to keep Northern Virginia residents healthy and safe by reducing the amount of pollution from stormwater runoff that reaches local creeks and rivers, and empower individuals to take action to reduce pollution.

To meet these goals, the partners work together to:

- Identify high priority water quality issues for the region
- Identify the target audience(s) for outreach
- Educate the region's residents on simple ways to reduce pollution around their homes
- Monitor changes in behavior through surveys and other data collection techniques
- Pilot new cost-effective opportunities for public outreach and education



Membership is voluntary and each member makes an annual contribution to fund the program. By working together, the partners are able to leverage their funds to develop and implement a range of bilingual education and outreach strategies throughout Northern Virginia.

**"Only rain down the storm drain"**  
- Partnership Motto

The 2024 campaign helped to satisfy MS4 (Municipal Separate Storm Sewer System) Phase I and Phase II permit requirements for stormwater education and documenting changes in behavior.

For more information visit [onlyrain.org](https://onlyrain.org)

## 2024 Campaign Overview

The Northern Virginia Clean Water Partners identified the following water quality issues to highlight in their 2024 campaign:

- **Nutrients (Phosphorus and Nitrogen)**
- **Bacteria**
- **Salt**
- **Illicit Discharges (e.g., pesticides, motor oil, etc.)**

Target audiences for these issues include pet owners, winter salt applicators, home mechanics, and residents with a lawn or garden. To reach these audiences, the campaign used a combination of social media, television and other paid advertising, printed materials, and the Only Rain website to distribute messaging that encourages pollution reduction practices. The partners also tabled at local events and led other in-person activities throughout the year to engage residents and raise campaign awareness.

The 2024 campaign also continued to update outreach and engagement programming through a number of new social marketing tools, including:

- Enhanced website features
- New social media content, including “Wednesday Water Tips”
- A new campaign video
- New forms of paid advertising

## Social Media Highlights

In 2024, the NVCWP continued to grow its social media presence over a number of platforms to reach the campaign's target audiences.

The partners created Facebook and Twitter/X accounts as a part of their 2020 campaign strategy. Since July 1, 2023, the Facebook page has gained 64 new followers for a total of 612 current followers. During the campaign year, the page included 276 posts with 624 post engagements and 188 post link clicks. The Twitter/X account currently has 193 followers with 28 new followers since 2023. Over the year, the account had 262 tweets, 1,093 tweet engagements, and 91 link clicks.

In December 2022, the partners created an Instagram account to engage additional members of the public. The Instagram account added 69 followers and created 231 posts during the 2024 campaign. In July 2023, the NVCWP also added a Threads account, which gained 65 followers and shared 101 posts over the year.



**Top reaching Instagram and Facebook image in 2024**



Video Advertisements

The campaign engages residents through video advertisements that focus on residential stormwater management actions. In 2024, the campaign aired both two videos, one of which also aired in Spanish, on a combination of 45 English and Spanish language networks for a total of 12,354 ads aired and 1,034,052 impressions, or views.

Key Facts and Figures for 2024



*\*Impressions are the number of times an ad appeared on a TV, computer, or other electronic device.*  
*\*\*Non-social media impressions include impressions on Google Search, Reddit, and other websites outside of Twitter/X and Meta platforms (Facebook, Instagram, and Threads).*

# Annual Stormwater Survey

## Survey Goal

The Northern Virginia Clean Water Partners conduct an annual online survey of approximately 500 residents in the region to better understand their stormwater-related knowledge and behaviors over time. Results help the partners to assess their campaign's effectiveness and direct future education and outreach efforts.

## Results

### Stormwater and Watershed Knowledge

Similar to 2023 (69%), 71% of Northern Virginia residents reported that they are familiar with the term "watershed". When asked which watershed they live in, 39% of residents selected that they live within the Potomac River watershed, and 27% selected that they live in the Chesapeake Bay watershed. Responses to this question have not significantly changed over the past five years.

When asked where stormwater eventually ends up, 32% of residents responded that it only goes to the Potomac River or Chesapeake Bay, and 20% selected that it only goes to a wastewater treatment plant. 41% of residents reported that it ends up at both destinations.



### Information and Advertising

28% of residents reported that they have seen or received at least some form of information about reducing water pollution in the past 12 months. Of those who were aware of an event for water quality improvement, such as stream clean ups or storm drain stenciling, 54% reported participating in the event. While this response represents a decrease from 2023 (69%), event participation has still significantly increased since 2018.

33% of survey respondents selected that they were familiar with the NVCWP prior to the survey, and when shown the "only rain down the storm drain" fish logo, 54% of residents reported having previously seen the logo. Both responses represent a decrease from 2023. However, similar to last year, 71% stated that they trust information from the campaign, and 67% would contact the NVCWP if they had questions about water quality.

This year's survey results indicate that while recognition of the NVCWP and general water quality activities in the region have declined, the majority of residents continue to have positive perceptions of the campaign and an interest in taking part in related projects. As such, future programming will not only aim to bring greater awareness to the campaign, but also to other water quality improvement initiatives in the region that residents can participate in.

## Campaign Impact

Residents who have viewed at least one NVCWP ad were asked a series of questions about the impact of the ads, including ways that their behaviors have changed since then. Over 80% of respondents reported that they now have a greater understanding of pet waste, fertilizer, and motor oil impacts on local water quality. Further, nearly three-quarters (73%) of respondents stated that they now pick up more pet waste, 82% fertilize less frequently, and 81% now dispose of motor oil properly. As in previous years, the survey reflects that NVCWP ads promote positive behaviors to reduce stormwater pollution. In addition, over 75% of respondents noted that they were already taking at least one of the actions to reduce pollution, suggesting that the ads also serve as valuable reinforcements for these behaviors.

## Resident Behaviors

The survey asked specific questions to understand changes in Northern Virginia residents' behaviors around relevant stormwater management and pollution issues, including pet waste, lawn and garden care, car fluids, and household hazardous waste.



In a decrease from 2023 (51%), 43% of residents reported owning at least one dog. Of those that walk their dog, 87% stated that they always or usually pick up their dog's waste during walks. The majority also reported picking up after their pet in their own yard on a daily basis (59%), while 24% pick up on a weekly basis.

When asked why they pick up their dog's waste, 22% of residents responded that their actions were due to water pollution concerns, and 18% selected that "it's what good neighbors do". In a decrease from 2023 (25%), 19% of residents noted picking up their pet's waste due to a city or county ordinance.

In 2024, there was a slight shift in reasons that residents pick up pet waste, while general behaviors remained consistent from previous years. Related messaging should continue to encourage individuals to pick up waste in their yard more frequently to minimize pollution.



When asked about reporting potential water pollution, 49% of residents stated that they know who to contact, and in an increase from the past five years, about two-thirds (67%) selected that they would probably or definitely contact someone to report a potential source of water pollution.

Of those who were equally likely to call and not to call, as well as those that would not call, there was a decrease in those that selected their reason being that they would prefer not to communicate with officials or authorities (25% in 2024 compared to 32% in 2023), and a slight increase in those that selected being "too busy" (22% in 2024 compared to 18% in 2023).





60% of residents reported knowing if their locality has a specific drop-off location for household hazardous waste (HHW). This response did not significantly change from 2023 (61%). While the majority of residents continue to know of drop-off sites, additional education should focus on types of HHW that can be taken to these locations to promote better trash and recycling practices.



Survey respondents were provided descriptions of a rain barrel, rain garden, and conservation landscaping and asked whether they have heard of these stormwater management features and would be interested in installing one on their property. In general, 2024 results showed slight decreases in familiarity, ownership, and interest in all three forms of stormwater management compared to 2023.

Residents were more likely to already have conservation landscaping on their property than the other two stormwater management features. Yet, as in prior years, residents were most familiar with rain barrels, and 25% reported already owning at least one on their property. Residents were least familiar with rain gardens, although one-third (33%) noted an interest in having one in their yard.



As a new survey topic, respondents were asked questions to measure attitudes and behaviors related to snow and ice maintenance, including the use of deicers (e.g., road salt) and abrasives (e.g., sand). Notably, during snowy and icy conditions, 34% of residents stated that they always or frequently apply deicers at their residence, and 17% always or frequently apply an abrasive. Of those that use a deicer, residents tend to most frequently apply before (31%) or after (32%) storm events, while 15% selected that it varies or depends on the circumstance.

Respondents were also asked about their perceptions, positive and negative, of the impacts from road salt application. The majority of residents feel that salt has a positive impact on emergency vehicle safety (62%), motorist safety (65%), and pedestrian safety (69%). However, only 41% of residents also feel that it has a negative impact on local waterways.

These results stress that while residents have a positive perception of salt application for public safety, they do not necessarily recognize its negative impacts on the environment and drinking water. As such, future education efforts should focus on highlighting when to apply salt to maximize safety and also underscore the importance of smart salting practices to protect the health of local waterways.







Of those that own or lease a car, 64% of residents reported taking their vehicle to a commercial car wash, while 37% wash their vehicle at home. Responses to this question have fluctuated over the past 5 years, in which only 21% of residents reported washing their car at home in 2023 and 43% reported doing so in 2022.

For those that wash their cars or trucks at home, residents continue to most frequently clean their vehicle three to four times a year (27%), while 3% wash less than once a year and 13% wash more than 12 times a year. To clean their vehicle, over half of residents reported using an environmentally-friendly detergent (52%) and washing on pervious surfaces, including grass, gravel, and/or dirt (53%).

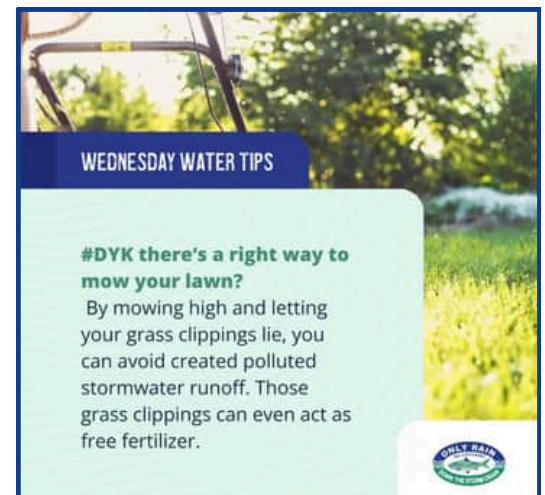
60% of residents reported going to an auto center for an oil change, and nearly a quarter (24%) take their old motor oil to a gas station or hazmat facility for recycling. In addition, 15% of respondents noted that they store their used motor oil in their garage, place it in the trash, or dump it down the storm drain, sink or onto the ground.

With multi-year increases in residents that take their motor oil to facilities for recycling, as well as those that store their oil or put it in the trash, future education should include safe storage practices and easily accessible information on recycling locations in the region to ensure that the oil does not eventually end up in the environment.



Two-thirds (66%) of residents with a lawn or garden stated that they use a lawn care service at least once a year. Similar to 2023, 74% of residents with a lawn or garden reported using fertilizer at least once a year. However, there was a slight increase in residents that fertilize only when a soil test recommends it (11%), and those that never fertilize (15%). Moreover, over the past five years, there has also been an increase in residents who fertilize twice per year compared to just once a year, which indicates the need for additional outreach to reinforce the use of soil tests to determine if and when fertilizing is actually necessary to support healthy lawn care.

When asked how they dispose of their grass clippings, the highest percentage of respondents (36%) reported that they put the clippings in compost or recycling bags for pick up. 21% bag and place clippings in the trash, and 32% leave it on the lawn or garden. If grass clippings ended up in the street, 66% of residents reported sweeping or blowing them back into their lawn, while 17% leave them in the street and 18% sweep them into the storm drain.



## 2025 Campaign Goals

The Clean Water Partners will continue to identify and implement new strategies to better engage Northern Virginia residents and improve their stormwater-related knowledge and behaviors in 2025. The next campaign year will include an updated quarterly e-newsletter, improved website content, new fact sheets and infographics, and more!

Northern Virginia Clean Water Partners

2024 Survey at a Glance

The Northern Virginia Clean Water Partners (NVCWP) conduct an annual survey to better understand Northern Virginia residents' stormwater knowledge and behaviors in order to inform future education and outreach efforts.

Watershed Knowledge



About 1/4 (27%) of residents believe they live in the Chesapeake Bay watershed.



71% of residents were familiar with the term "watershed" prior to the survey.

Stormwater Runoff



About 1/3 of residents believe that stormwater ends up in the Chesapeake Bay or Potomac River, while 20% think that it goes to a wastewater treatment plant. 41% think that it ends up at both destinations.

Automobile Care

64% of vehicle owners go to a commercial car wash at least once a year. Of those that clean their car at home, nearly 3/4 report only using water or environmentally-friendly detergent.



Advertising Reach

54% of residents recognize the Clean Water Partners logo. When asked about perceptions of NVCWP ads, over 80% trust the information conveyed and believe the ads are important.

Lawn Care

74%

of residents fertilize their lawn or garden at least once a year. 26% either never fertilize or only fertilize when a soil test recommends it.

Conservation Landscaping

1/4

of residents already have a rain barrel, rain garden, and/or conservation landscaping on their property. Over 1/3 are interested in obtaining one or more for their property.

Winter Salt

1/3

of residents always or frequently apply deicer (e.g., salt) at their residence during snowy or icy conditions.

Dog Owners



87% of dog owners report always or usually picking up their pet's waste while on a walk.

Pollution Reporting

67%

of residents would probably or definitely report potential pollution to their town or county.

## Additional Information

**Contact: Rebecca Murphy**

Coastal Program Manager

rmurphy@novaregion.org

703-642-4625

3040 Williams Drive, Suite #200

Fairfax, VA 22031



**Website:** [www.onlyrain.org](http://www.onlyrain.org)

**Social Media:**

- **Facebook:** [facebook.com/NVCWP](https://facebook.com/NVCWP)
- **X (Formerly Twitter):** [twitter.com/nova\\_cwp](https://twitter.com/nova_cwp)
- **Instagram:** [instagram.com/novacwp](https://instagram.com/novacwp)
- **Threads:** [threads.net/@novacwp](https://threads.net/@novacwp)

**2024 Clean Water Partners:**

Fairfax County | Arlington County | Loudoun County | Loudoun Water | Fairfax Water | City of Alexandria | City of Fairfax | City of Falls Church | City of Manassas | City of Manassas Park | Stafford County | Town of Leesburg | Town of Dumfries | Town of Herndon | Town of Vienna | Prince William County | Northern Virginia Regional Commission | George Mason University | Virginia Coastal Zone Management Program | Fairfax County Public Schools | Northern Virginia Soil and Water Conservation District | Prince William County Public Schools

## **APPENDIX B**

### **Public Involvement and Participation (MCM #2)**

Stormwater Web Page Snapshot

Public Involvement Activity Promotion

- Public Works Day
- Family Fishing Rodeo
- Clean Up Day

Vienna Voice

- Family Fishing Rodeo (March 2024)
- Green Expo and Clean Up Day (April 2024)
- Clean Up Day (June 2024)



## Protecting the Chesapeake Bay

The Town of Vienna is part of the Potomac River watershed and thus the larger Chesapeake Bay watershed.

Rain that falls on the northern and eastern sides of Vienna enters Piney Branch or Wolftrap Creek, both of which flow into Difficult Run, draining into the Potomac River. Rain that falls on the southwestern side of Vienna enters Bear Branch or Hunters Branch. Both flow into Accotink Creek, which also drains into the Potomac River.

At the heart of keeping the Chesapeake Bay clean and protecting the Town's waterways are robust stormwater infrastructure and management initiatives.



## Stormwater information and concerns

To report an environmental concern, please [email](#) or call 703-255-6380.

To learn more about the Town's stormwater management programs visit the following pages:

- For information about the Town's watershed and flood plains, view the [Vienna Watersheds and Flood Plains map](#).
- Visit for information on [Special Flood Hazard Area \(SFHA\) Floodplain](#).
- See a [map of Town of Vienna Chesapeake Bay Preservation Areas](#).
- For information about Fairfax County stormwater management, visit the [Fairfax County website](#).
- For information about preventing stormwater runoff pollution, visit the [Northern Virginia Clean Water Partners website](#).

- Learn more about our Salt Management Strategy (SaMS) - [Winter Salt Smart](#) is a regional effort to reduce the environmental impacts of winter maintenance practices.

## How residents can help

As Town urbanization and street construction increased, a network of inlets, pipes, and outlets was installed to direct rainwater into the nearest local stream. Because this pipe system is not connected to a water treatment facility, it is very important that nothing except rainwater enters the system through inlets located near homes. Residents can report illegal discharges into the stormwater drainage system and illegal dumping into local streams by calling 703-255-6380 or by [opening a service request online](#).

### Do not put the following into stormwater inlets:

- fertilizer
- grass
- grease
- leaves
- motor oil
- pet waste
- other debris and materials

## Volunteer opportunities

**Potomac Watershed Clean-Up Day:** Interested in [volunteering](#) to help protect our streams and watersheds? The parks and recreation department participates in the annual Potomac Watershed Clean-Up Day held in mid-April and accepts volunteers throughout the year.

## Vienna stream contamination

The Town does its best to safeguard local stream quality, but residents should exercise caution when engaging in recreation in and around these waterways. Using streams for recreational purposes, such as swimming and wading, should be avoided due to the risk of ingesting stream water or possible contamination of open wounds by stream water.

Local streams and parks are among many features that make the Town of Vienna a great hometown. However, any open, unprotected body of water is subject to pollution from illegal dumping, sewer line breaks, pesticide and herbicide contamination from stormwater runoff, and wildlife and domestic animal waste.

Please review the Virginia Department of Health information on [tips to safely enjoy natural waters](#).

# Virginia Municipal Separate Storm Sewer Systems (MS4) and Total Maximum Daily Load (TMDL)

Mandated by Congress under the Clean Water Act and implemented in Virginia by the Department of Environmental Quality (DEQ), the purpose of this program is to protect water quality from urban stormwater pollution.

Stormwater runoff in urban areas may contain sediment, fertilizers, pesticides, bacteria, motor oil and other pollutants generated by various land uses and human activities. When left uncontrolled, pollution can impair or destroy fish, wildlife and aquatic life habitats; reduce aesthetic value; and threaten public safety and health.

The Town's stormwater system is operated under a state permit per requirements of 4VAC50-60, "General Virginia Stormwater Management Program (VSMP) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS-4)." The Town originally was issued an MS-4 permit in 2003 (Permit VAR040066). The current, five-year permit expires Oct. 31, 2023.

[MS4 Coverage Letter and Permit](#)

[MS4 Program Plan](#)

[Public Outreach & Education Plan](#)

[VSMP MS4 Annual Report FY2023](#)

[VSMP MS4 Annual Report FY2022](#)

[VSMP MS4 Annual Report FY2021](#)

[Final Phase II Chesapeake Bay TMDL Action Plan](#)

[Bacteria TMDL Action Plan](#)

[Chloride TMDL Action Plan for Accotink Creek](#)

[PCB TMDL Action Plan](#)

[Sediment TMDL Action Plan](#)

[Email the Department of Public Works](#) or call 703-255-6380 for additional information regarding the Town's MS4 program plan, public input or program-related concerns. Send written correspondence to:

Town of Vienna, DPW  
127 Center Street S  
Vienna, VA 22180



## **FY24 – Town of Vienna Public Involvement Activities**

### Public Works Day



## **Public Works Day**

All aboard! Everyone of all ages is invited to celebrate Public Works Day at the Town's Public Works Open House next Thursday, May 16, from 2-6 p.m. at Northside Property yard, 600 Mill St., NE. Take a facility tour and get an up-close look and climb aboard heavy machines, fire trucks, emergency vehicles, police cars and more at this free event! To learn more, call 703 255-6380 or click below.

**Public Works Day Details**

## Family Fishing Rodeo



## **Family Fishing Fun!**

Reel in the fun at this year's Fishing Rodeo on Saturday, April 6, at Wildwood Park (700 block of Follin Ln, SE)! The whole family will fall hook, line, and sinker for this event, so if you haven't signed up yet, you better hurry. There are limited spots open, and they're going fast! Registration is \$5 and is required for those fishing. Participants are asked to bring a fishing rod, bucket, plastic bag and ice. To sign up, [click below](#).

**Fishing Rodeo Information**





## Town of Vienna, VA - Government

March 30 at 6:00 PM · 🌐

...

This year's Family Fishing Rodeo is just around the corner so get those fishing rods ready and make sure your tackle box is stocked! Head to Wildwood Park (700 block of Follin Ln, SE) and reel in the fun next Saturday, April 6. Pre-registration is required and is \$5 per fisher. There are only a few spots left, so sign up now: [www.viennava.gov/fishingrodeo](http://www.viennava.gov/fishingrodeo).



👍 5

1 comment · 2 shares

👍 Like

💬 Comment

➦ Share



Town of Vienna, VA - Government

3d · 🌐

...

What a beautiful day for fishing! With fishing rods, bait, and buckets in tow, Vienna's finest fishermen put their skills to the test at today's Family Fishing Rodeo. And boy, were they reeling them in!

Thanks to everyone who participated, to volunteers from the Northern Virginia Chapter of [Trout Unlimited](#) and to [Navy Federal Credit Union](#) for sponsoring this fun Town tradition.

See you out on the creek bank next year!



👍❤️ 48

6 comments 1 share



Like



Comment



Share



## Clean Up Days



### **Spring Sprucing**

Celebrate spring and help keep Vienna in tip-top shape at the first Town Cleanup Day of the year! Join volunteers on the Town Green this Saturday, April 6 at 9 a.m. You'll help clean up different locations in town and supplies will be provided. Preregistration is recommended, but not required. For more details and to register, [click below](#).

**[Town Cleanup Day Details](#)**



Town of Vienna, VA - Government

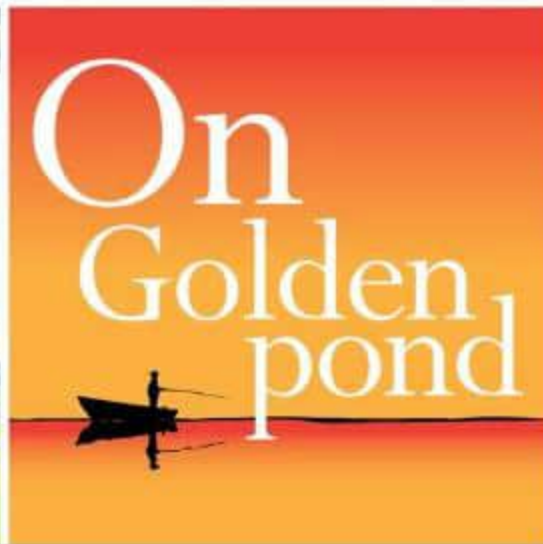
November 4 at 7:01 AM · 🌐

...

It's another busy Saturday in Vienna! Here's what's in store:

- Town Clean Up Day, 9 a.m.-12 p.m. (Town Green)
- Bowman House Pottery Show and Sale, 10 a.m.-3 p.m. (211 Center St. S)
- "On Golden Pond," 8 p.m. (VCC)

Did we mention it's the last day to vote early in the November General Election? More here:  
[www.viennava.gov/vote](http://www.viennava.gov/vote).



Like



Comment



Share



Write a comment...







## Town of Vienna, VA - Government

November 3 at 6:30 PM · 🌐

...

Help keep Vienna looking its best by participating in Town Clean Up Day! Join other volunteers from 9 a.m. to 12 p.m. tomorrow, Nov. 4, at the Town Green and help spruce up the Town. For students, it's a great way to earn community service hours! To sign up, email [bharrington@viennava.gov](mailto:bharrington@viennava.gov) or call 703-255-6336.



👍❤️ 3

1 comment

👍 Like

💬 Comment

➦ Share



Town of Vienna, VA - Government

3d · 🌐

...

While the fishing rodeo was happening, there was tons of excitement on the other side of Town at the Vienna Community Center. Before the "Get Healthy Vienna" Expo festivities began, local girl scouts took to the grounds, picking up trash as part of Town Cleanup Day! Thank you to them and to all the volunteers who helped around town!

Then, talk about a packed house! It was a great turnout at today's expo. We'd say it was a Saturday well spent here in Vienna! 😊



👍❤️ 27

1 comment

👍 Like

💬 Comment

➦ Share



# VIENNA VOICE

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## Restaurant Week Offers Flavors of the World!



**M**ark your calendar for Vienna Restaurant Week, March 3-10, 2024! From bakeries and coffee shops to fine dining and international cuisine, the options are practically endless!

"Last year's Restaurant Week drew rave reviews from both patrons and business owners," said Vienna Economic Development Director Natalie Guilmeus. "Many participating restaurants and specialty eateries reported the biggest turnout in decades, and some residents expressed surprise that they had lived in the area a long

time and weren't aware of some restaurants that have also been around a long time."

Restaurant Week was organized by the Town of Vienna Economic Development Department to encourage diners in the region to explore the diverse culinary options Vienna has to offer. The result was an economic boost to local businesses and the local economy, and it increased awareness of and renewed appreciation for the tastes of the world that await just moments from home.

What are you waiting for? Start planning your perfect night out or cozy evening in while supporting Vienna businesses during Restaurant Week! For a list of participating restaurants, visit [www.exploreviennava.com/restaurantweek](http://www.exploreviennava.com/restaurantweek). 🍴



### IN THIS ISSUE



**2** New Library  
Name



**4** Photo  
Show



**7** Drug  
Alert







## Updates from Vienna Parks & Recreation



### Club Phoenix Parent Discussions

**Wednesday, March 6  
6-7:30 p.m.**

Club Phoenix Teen Center is teaming up with the Fairfax County Community Services Board for a Parent Discussion: QPR (Question, Persuade, and Refer) Suicide Prevention Training for parents, childcare services providers and any adult working with children. For registration details or for more information, Contact [Ianna.Alhambra@viennava.gov](mailto:Ianna.Alhambra@viennava.gov) or call 703-255-6360.

### Club Phoenix Extended Spring Break Hours

Stop by the Club Phoenix Teen Center during FCPS spring break to enjoy games, movies, challenges, fashion, and food!  
12:30 – 6:30 p.m.

Monday, March 25: Trivia Day  
Tuesday, March 26: Relay Race Day  
Wednesday, March 27: Fashion Show  
Thursday, March 28: T-shirt Tie-dye Day  
Friday, March 29: Sports Day

### Sign Up for Vienna Happenings Newsletter

Stay in the know about local events with the Town's weekly e-newsletter, "Vienna Happenings." To sign up, visit [www.viennava.gov/happenings](http://www.viennava.gov/happenings). \*Please note due to changes in email provider security settings, Vienna Happenings may be flagged as spam. If you don't see the newsletter in email on Fridays, please check your spam folder.

### Freeman Store Bridge Ribbon Cutting

**Saturday, March 23, 10 a.m.**

Come celebrate the Town's beautiful new bridge that reestablishes the link connecting the Freeman Store and the W&OD Trail bike path on Saturday, March 23, at 10 a.m. After the ribbon cutting, check out the new museum exhibits "Exploring Books Throughout Time" and "Vienna Unveiled Through Maps." Refreshments will be served.

### Day Trip: Seton Shrine & National Shrine Grotto of Our Lady of Lourdes

**Wednesday, March 20  
9 a.m.-4:30 p.m.**

For ages 55+. The Seton Shrine, located in Emmitsburg, M.D. is the home of American saint, Saint Elizabeth Ann Seton, a wife and mother who was widowed in 1803 at the age of 29. Despite great hardships, she went on to do amazing work, and eventually became the first American-born saint in 1975. Enjoy a guided tour of the two historic homes where Mother Seton lived and worked. We will also visit the National Shrine Grotto of Our Lady of Lourdes just down the road. This beautiful mountainside shrine features the oldest U.S. replica of the Lourdes Shrine in France. This trip requires a significant amount of walking in grassy areas and uneven surfaces. Box lunches at the Seton Shrine are included in the trip fee. To register, visit [www.viennava.gov/webtrac](http://www.viennava.gov/webtrac) or call (703) 255-6360.



### Family Fishing Rodeo April 6, 2024

**Wildwood Park**

Thanks to our sponsor Navy Federal Credit Union. You'll fall hook, line, and sinker for the annual Vienna Family Fishing Rodeo at Wolftrap Creek located in Wildwood Park, 700 block of Folin Lane, SE. The creek will be stocked with hundreds of trout. Volunteers will provide instructions, stream education and fish-cleaning demonstrations. Preregistration is required and all participants are required to bring their own fishing poles this year. Cost is \$5 per angler. For more information and to register, visit [www.viennava.gov/webtrac](http://www.viennava.gov/webtrac) or call 703-255-6395.



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APRIL  
2024

## Town Tree Canopy to Expand

**A**rbor Day weekend is going to be one for the record books in the Town of Vienna as a new Robinson Trust initiative takes root at East Creek Trail. The Trust is providing a municipal beautification grant to plant 75 native trees and shrubs along the trail near the intersections of East Street, NE, and Ayr Hill Avenue, NE, at 9 a.m. on Saturday, April 27, 2024. Volunteers are needed to help plant the trees. To volunteer, email [jeremy.edwards@viennava.gov](mailto:jeremy.edwards@viennava.gov) or call 703-255-6336.

An additional 70 trees funded by the Robinson Trust will be installed this spring along the public right-of-way throughout the Town of Vienna, and another \$250,000 in federal American Rescue Plan Act (ARPA) funds will also be used to pay for future street tree projects. The new tree plantings will help beautify Vienna and support the Town Council's efforts to restore the local tree canopy, which declined by 13 percent from 2011 to 2021 as a result of new development.

For more information, visit [www.viennava.gov/arborday](http://www.viennava.gov/arborday). 🌳



East St NE

Ayr Hill Ave

### IN THIS ISSUE







## Updates from Vienna Parks & Recreation



### Vienna Arbor Day Celebration

Friday, April 26, 2024

5 p.m.

East Creek Trail

Intersections of East Street, NE, and Ayr Hill Avenue, NE

**\*Enter at small 'Stream Valley Park' Sign on East Street**

Join local scouts, parks and recreation staff and local dignitaries for the 2024 Town of Vienna Arbor Day celebration! All will take turns planting a tree in conjunction with the national observance, which celebrates tree planting and preservation. Arbor Day's roots lie in the heart of Nebraska where the first Arbor Day was celebrated in 1872. Over time, the annual tradition spread to other states, and it became a national observance in 1970. Arbor Day is typically celebrated in most states on the last Friday in April, and this year's event in Vienna kicks off a broader community effort to plant and preserve trees (see story on page 1).

### Stay in the Know with Vienna Happenings!

Event season is here! Keep up to date with warm-weather events like outdoor concerts, movies, festivals and more by signing up to get the Town's e-newsletter, "Vienna Happenings." To sign up, visit [www.viennava.gov/happenings](http://www.viennava.gov/happenings).

### Spring Town Clean-Up Day

Saturday, April 6 • 9 a.m.-12 p.m.

Vienna Town Green • 144 Maple Ave., E

Help clean up Vienna parks and trails! After meeting at the Vienna Town Green, volunteers are assigned a location in town that needs some attention. The parks and recreation department coordinates the event, providing supplies and assistance throughout the day. Preregistration is recommended, but not required. To register contact Brian Harrington at [bharrington@viennava.gov](mailto:bharrington@viennava.gov) or call 703-255-5755.



### Vienna Theatre Company Presents: The 39 Steps

Performance Dates:

**8 p.m. - Fridays and Saturdays, April 19-20, 26-27 and May 3, 4**

**2 p.m. - Sundays, April 28 and May 5, 2024**

**Tickets are \$16**

In "The 39 Steps," a man with a boring life meets a woman with a thick accent who says she's a spy. When he takes her home, she is murdered. Soon, a mysterious organization called The 39 Steps is hot on the man's trail in a nationwide manhunt that climaxes in a death-defying finale! A riotous blend of virtuoso performances and wildly inventive stagecraft, "The 39 Steps" amounts to an unforgettable evening of pure pleasure! Purchase your tickets at [www.viennava.gov/webtrac](http://www.viennava.gov/webtrac) or in person at the Vienna Community Center. For more information, visit [www.viennava.gov/theatre](http://www.viennava.gov/theatre).

### Share Your Story!

Do you have an inspiring story about how your family came to America? Liberty Amendments Month (LAM) is the perfect time to share it! Area residents and businesses are encouraged to help foster cultural awareness and community respect by sharing their unique family experiences through a new LAM interactive program called "Our American Liberty Stories." If you have an interesting story to tell about your family's journey to America, its path to citizenship, or what it means to be American, share it with us now through May 15. For more information and to submit your story, visit [www.viennava.gov/story](http://www.viennava.gov/story), or email [lily.widman@viennava.gov](mailto:lily.widman@viennava.gov) or call 703-255-5738.

### Summer Park Registration

**Opens May 6!**

Stake your claim to summer fun with Vienna Parks and Recreation programs, classes, camps and more! Registration starts at 8 a.m. on Monday, May 6 for Town of Vienna residents and at 8 a.m. on Monday, May 13 for folks who live outside of town. Register in person at the Vienna Community Center or online at [www.viennava.gov/webtrac](http://www.viennava.gov/webtrac). Check out the Summer Program and Events guide online [www.viennava.gov/parkguide](http://www.viennava.gov/parkguide), and start planning your summer fun strategy!

### Seasonal Pickleball Hours in Effect

A new pickleball schedule is in effect at Glyndon Park from March 1- Nov. 30. For seasonal hours and to reserve a court, visit [www.viennavava.gov/courts](http://www.viennavava.gov/courts) or call 703-255-6360.

### Last Call for Liberty Amendments Month (LAM) Presenters

Celebrating the history and cultures surrounding the passage of the 13th, 14th, 15th, and 19th Amendments, Liberty Amendments Month takes place June 15-July 15, 2024. Each week features programs, educational events, lectures and discussions, pop-up events, music and entertainment for the whole family! Volunteers, sponsors and organizations are invited to present LAM programs and events. Want to get involved? Visit [www.viennava.gov/libertyamendments](http://www.viennava.gov/libertyamendments) for more information and an application, or email [lily.widman@viennava.gov](mailto:lily.widman@viennava.gov) or call 703-255-5738. Application deadline is April 3.



# Vienna Green Expo

**Thursday, April 18, 7-9 p.m.**  
**Vienna Community Center**

**Wise owls** know going green is easier than you think! Join dozens of local exhibitors who will offer information on

- ▶ **energy efficiency and solar power**
- ▶ **water conservation**
- ▶ **planting natives and eliminating invasives**
- ▶ **living with wildlife**
- ▶ **bee keeping** ▶ **composting** ▶ **...and more!**

Plus – check out the live birds of prey exhibit and the “Ask Me Anything” environmental sessions! For more information visit [www.viennava.gov/expo](http://www.viennava.gov/expo).



The Green Expo is sponsored by the Town of Vienna Conservation and Sustainability Commission.



## Taking the Guesswork out of Recycling

BY MALA PERSAUD AND BILL COMERFORD, CONSERVATION AND SUSTAINABILITY COMMISSION

**E**ver wonder what happens to those recyclables you place curbside each week? The process is so seamless that most people never give another thought to what happens when the hauler takes them away. A visit to the Republic sorting facility in Manassas—where much of Vienna’s recycling goes—was an eye-opening lesson about the work that goes into sorting through the tens of thousands of pounds of recycling Northern Virginia residents generate every week.

The job should be to sort only through plastic bottles, jugs, aluminum cans, paper and cardboard and send them off for processing by other facilities. However, non-recyclable waste, such as shredded paper, plastic wrap, broken furniture, yard waste and clothing is often put into curbside bins, which makes sorting more difficult.

The first view of the process was that of two-story-high mountains of plastic, paper, cans and cardboard waiting to be put onto the conveyor belt for sorting. Then the overwhelming pile is gradually dropped onto a conveyor belt for sorting by workers. Non-recyclables are pulled by hand off the belt at various stages of the operation and sent to a landfill. Jugs, jars and bottles are all different types of plastic that must be separated from each other, baled, and sent off to different specialized recycling facilities.

It was surprising to see how much of the waste is sorted by hand in difficult conditions that could be prevented if more residents reduced and recycled correctly. The biggest challenges for the plant are shredded paper, film plastics like plastic bags and wrap and shower curtains, all of which clog the machines and slow operations considerably.

You can help ensure a smooth process by reducing waste, and properly recycling. Don’t put anything other than what your hauler will accept in the recycling bin. In Vienna, it’s clean, dry plastic jugs, bottles and tubs, cans, and paper. Nothing food-soiled as it attracts pests at the recovery facility.

Taking pride in our collective roles as conscious consumers and stewards of the planet will go a long way toward protecting it for generations to come.

For more information, visit [www.viennava.gov/recycling](http://www.viennava.gov/recycling). ♻️







## Gentle Reminder: Time to Tidy the Lawn, It's the Law

**A**s warm weather approaches, homeowners and lawn services will be hard at work trimming hedges and mowing lawns. Overgrown grass and landscaping are unbecoming, and they create public health and safety risks. The Town's zoning ordinance requires property owners and managers to maintain lawn and grass areas at no taller than 6 inches in height. Property owners and managers are also required to keep shrubs, grass and other landscaping on their property trimmed so that they do not encroach into public sidewalks and streets. While most people take pride in keeping their property tidy, Town staff will enforce the regulations with those who do not comply with the law. For more information, contact the Town's zoning compliance officer at [DPZEnforcement@viennava.gov](mailto:DPZEnforcement@viennava.gov). 📞

## For Yard Waste - Please Remember the Rules

**F**lowers are blooming, trees are budding, and spring cleanup season is underway throughout the Town of Vienna! Public works crews are ready to remove residential yard waste placed curbside, but please remember, there are limits to the weekly pickups.

**Yard waste** - Crews will pick up yard waste consisting of grass, leaves, small clippings, acorns and similar debris. (Sorry, sod, mulch and dirt are not picked up by the Town.) Yard waste should be dropped directly into a waste can or in kraft paper bags and placed curbside. Weekly yard-waste pickup limit is 20 bags per address weighing no more than 40 pounds each. Plastic bags are no longer accepted and will not be picked up.

**Brush** - Please keep brush separate from other yard waste and place it in a trash can or stack it neatly at the curb for pickup. Brush size is limited to 8 feet or less in length and 6 inches or less in diameter. The maximum weekly brush pile limit is 4' x 4' x 8' per address.

For more information about curbside trash, yard waste and recycling service, visit [www.viennava.gov/recycling](http://www.viennava.gov/recycling). 📞



## Keeping Your Drinking Water Safe

**E**ach spring, the Town's water treatment process switches from combined chlorine to free chlorine to clean out the water distribution system. Public works crews also flush water mains at the same time to ensure the Town's 900+ fire hydrants operate properly. All of this may leave you wondering if your water is safe to drink during the process.

"You may notice a chlorine taste or odor in your drinking water during the time that free chlorine is used," said Emily Goodman, Town of Vienna Meters, and Water Quality Supervisor, "but the water is still absolutely safe to drink."

Goodman says if you do notice a change, you can reduce the chlorine taste or smell by running the cold tap for 2-5 minutes, refrigerating cold tap water in an open container, or using a water filter. All of these strategies will help improve taste during the water treatment period.

The process began on March 25 and will continue through May 6. The work takes place from 10:30 p.m. until 7 a.m. To learn more about Vienna's water main flushing program, visit <https://bit.ly/WaterMainFlushing>. 📞





# VIENNA VOICE

OFFICIAL NEWSLETTER OF THE TOWN OF VIENNA, VIRGINIA • [WWW.VIENNA.VA.GOV](http://WWW.VIENNA.VA.GOV)



## Vienna Streetscape Project Begins To Bloom

**H**ave you seen the Town's landscape planters along Maple Avenue and Church Street lately? Vienna's curbsides are beginning to burst with color thanks to a streetscape improvement plan that began last fall. The goal of the Town Council-approved plan was to transform 81 landscape planters on Maple Avenue and 46 planters on Church Street into a welcoming, vibrant display of seasonal color from spring to fall. The new look is beginning to take root, and it includes a thoughtful selection of shrubs, ornamental grasses, perennials and annuals.

To learn more about the project, visit [www.viennava.gov/streetscape](http://www.viennava.gov/streetscape). 



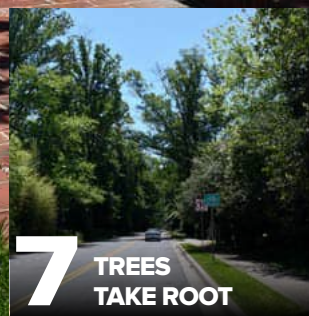
### IN THIS ISSUE



**4** EARLY  
CELEBRATION



**5** VOTING  
BEGINS



**7** TREES  
TAKE ROOT



## Volunteering: A Universal Language



**W**hen Grace Wolfe, a professor at Ivy College in Vienna, wanted to get her students involved in a hands-on volunteer project doing something good for the environment, the Town's parks crews had just the right idea: plant trees! With a little planning and coordination, the international students from across the globe headed for the Town-owned Beulah Road property to help Vienna park crews remove trash and invasive plant species on day one. When they returned to the property, they helped plant 92 native trees and created protective fencing for each one. Despite planting in a cold rain, this hard-working group was all smiles.

"This is my first time doing anything like this," Malik, a student from Tunisia, said cheerfully. "I'm enjoying the work, it's really rewarding."

The student volunteers are living in the United States and attending Ivy College, to study the English language. Volunteering is a requirement of their studies, and many agreed they enjoyed working together as a group for a meaningful cause.

"It's a great way to volunteer because we're being helpful to society and it's nice to do things together as a group," said Gaye, a student from Turkey.

The new trees on the Beulah Road property will have a positive, lasting impact on the local environment as it helps to increase the Town's tree canopy. Perhaps more important, the experience has taught the international students that environmental stewardship is a universal language that transcends all the world's boundaries. 🌱

## Town Recognized for Mental Health Advocacy

**T**he Town of Vienna was recently recognized by the Eric Monday Foundation for its role in raising awareness about mental health challenges through the #takedownthestigma campaign. The foundation's 2024 Community Wellness Award was presented to the Town in May, National Mental Health Awareness Month.



The foundation is named in memory of Eric Monday, a Vienna resident and accomplished Madison High School wrestler who battled depression. The Eric Monday Foundation is focused on bringing awareness and education to coaches, parents, and athletes on the topic of mental health – specifically, on how to identify those in need and empower them to initiate a conversation that can lead to treatment and support without feeling stigmatized or labeled.

The Town government takes an active role in mental health advocacy through various community partnerships, including supporting the Eric Monday Foundation's mental health initiatives for athletes, coaches, and parents. To join the cause and take the pledge, visit <https://bit.ly/TOVMentalHealth>. 🌱



## Picture it!

**V**ienna, 1907. Long before the Cedar Park Shopping Center or Thoreau Middle School, this is what Cedar Lane looked like. As you can see, the street was aptly named for the giant Cedar trees that lined the route! We found this historical image in the archives at the Fairfax County Public Library Virginia Room. 🌱

## **APPENDIX C**

### **Illicit Discharge Detection and Elimination (MCM #3)**

2024 MS4 Service Area Map

2024 Dry Weather Screening Summary (Full Results Available on Request)

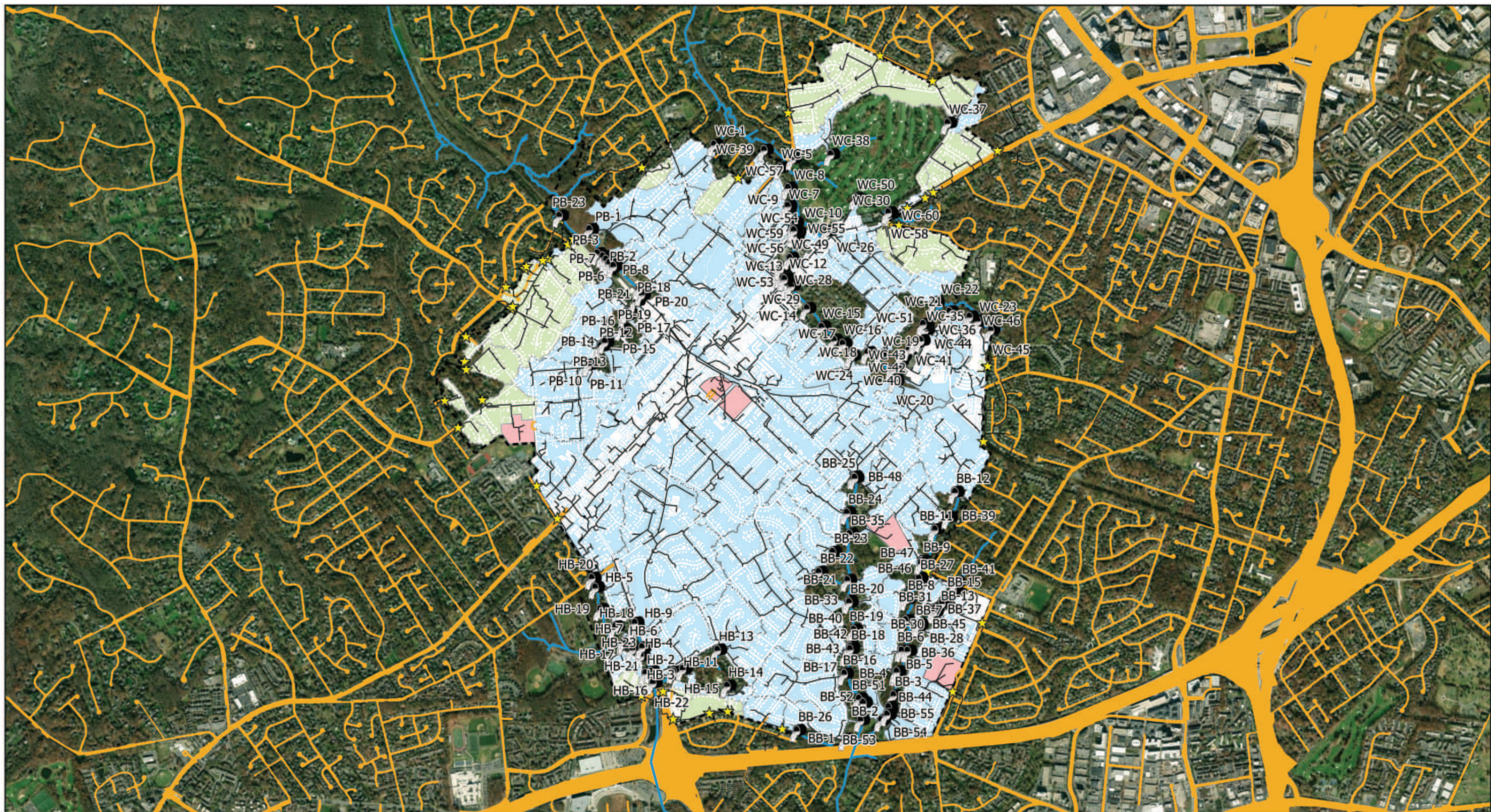
2024 Illicit Discharge Tracking

Results of Walk-Throughs for Bacteria

Results of Walk-Throughs for Erosion:

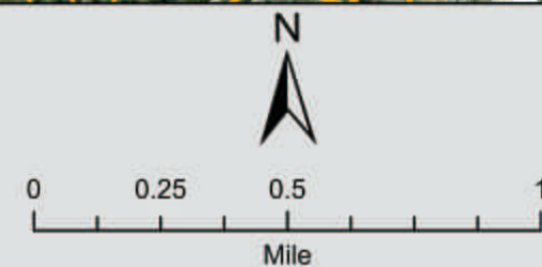
- Waters and Caffi Fields
- Meadow Lane Park
- Southside Park





- Town MS4, Town Responsibility
- Flows to County MS4, Town Responsibility
- Other County Responsibility (Schools; flows from County to Town MS4)
- MS4 Outfalls
- ★ MS4 Interconnections

- Streams
- Storm Sewer Lines
- VDOT MS4
- Town Boundary



**Vienna MS4 Area and  
Storm Sewer Map**  
 2,149.69 Total Acres  
 726.53 Impervious Acres





# Vienna 2024 Dry Weather Screening Summary

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WSP USA Earth & Environmental (WSP) personnel conducted dry weather screening for the Town of Vienna from February 1, 2024 through February 16, 2024. Dry weather flow was noted at two of the 55 MS4 outfalls screened this year. The full list can be found in the appendix. Personnel followed testing procedures outlined in the Town's Illicit Discharge Detection and Elimination Standard Operating Procedure (SOP). **All outfalls were categorized as "unlikely" for illicit discharges.**

## Outfall Characterizations

None of the outfalls were observed to have any indicators of illicit discharge.

## Ponded Outfalls and Sediment Build Up

The following outfalls were observed with ponded water at the point of discharge.

- PB-23
- PB-22
- WC-18

Several outfalls were observed to have trash, leaf, and/or debris build up.

- BB-44
- HB-7
- HB-2
- PB-10
- WC-24

Several outfalls were observed to have both ponded water and sediment build up.

- HB-21
- PB-11
- WC-14
- WC-16

## Vegetation Build Up

HB-19 was observed to have leaf litter and vegetation build up in front of the outfall.



**Other Notable Observations**

Outfall **HB-7** was noted to be almost fully filled with sediment, and grass and landscaping has grown around the headwall.



Outfall **PB-20** was not found in the field. There was a stockpile of materials on top of where the outfall location is mapped.



Outfall **PB-18** was fenced in and field staff were unable to access. Staff could locate the manhole junction and observed no manhole cover.



There is an exposed pipe crossing in front of outfall **PB-12**.





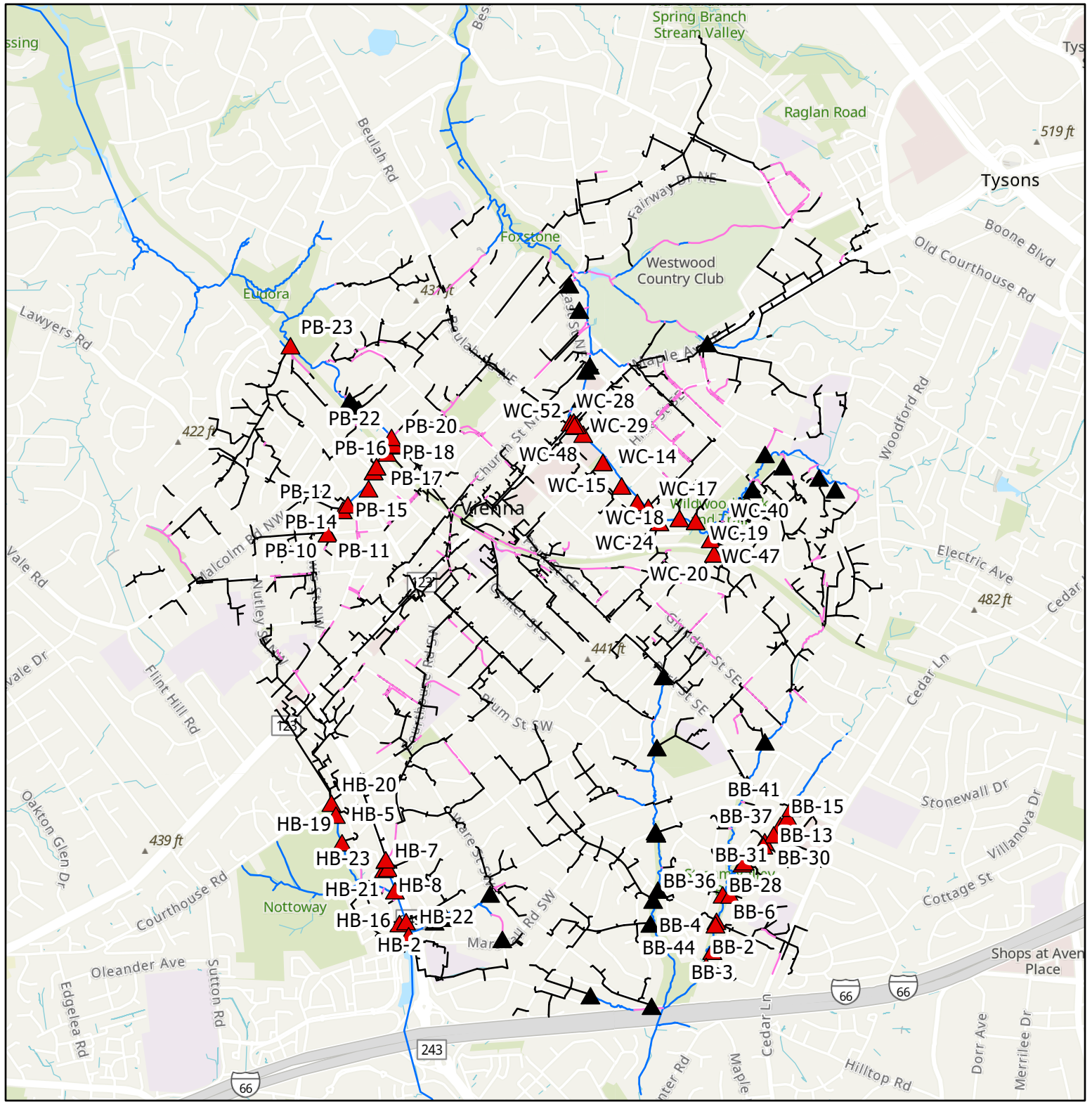


# Appendix

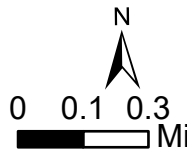
## Vienna Dry Weather Screening 2024

	Outfall ID	Stream Name	Date	Latitude	Longitude	Overall Outfall Characterization	Flow Present	Any Maintenance Issues or Other Concerns?
1	BB-41	Bear Branch	2/1/2024	38.88909	-77.24493	Unlikely	No	Reinforced concrete eroding into stream
2	BB-37	Bear Branch	2/1/2024	38.88865	-77.24516	Unlikely	No	None
3	BB-15	Bear Branch	2/1/2024	38.88823	-77.24561	Unlikely	No	None
4	BB-31	Bear Branch	2/1/2024	38.88785	-77.24602	Unlikely	No	None
5	BB-13	Bear Branch	2/1/2024	38.88752	-77.24658	Unlikely	No	None
6	BB-30	Bear Branch	2/1/2024	38.88733	-77.24666	Unlikely	No	Stone reinforcement has failed and dislodged head wall and pipe
7	BB-45	Bear Branch	2/1/2024	38.88684	-77.24791	Unlikely	No	None
8	BB-28	Bear Branch	2/1/2024	38.88649	-77.24795	Unlikely	No	None
9	BB-36	Bear Branch	2/1/2024	38.88501	-77.24872	Unlikely	No	None
10	BB-6	Bear Branch	2/1/2024	38.88503	-77.24917	Unlikely	No	None
11	BB-4	Bear Branch	2/1/2024	38.88378	-77.24957	Unlikely	No	None
12	BB-5	Bear Branch	2/1/2024	38.88362	-77.24964	Unlikely	No	None
13	BB-44	Bear Branch	2/1/2024	38.88165	-77.25024	Unlikely	No	Sediment build up
14	BB-3	Bear Branch	2/1/2024	38.88236	-77.24985	Unlikely	No	None
15	BB-2	Bear Branch	2/1/2024	38.88152	-77.25022	Unlikely	No	None
16	HB-20	Hunters Branch	2/2/2024	38.88968	-77.27287	Unlikely	No	None
17	HB-5	Hunters Branch	2/2/2024	38.88905	-77.27259	Unlikely	No	None
18	HB-19	Hunters Branch	2/2/2024	38.88774	-77.27227	Unlikely	No	Leaf litter and vegetation built up in front of outfall
19	HB-23	Hunters Branch	2/2/2024	38.88691	-77.26961	Unlikely	No	None
20	HB-9	Hunters Branch	2/2/2024	38.88688	-77.26963	Unlikely	No	None
21	HB-8	Hunters Branch	2/2/2024	38.88650	-77.26949	Unlikely	No	None
22	HB-7	Hunters Branch	2/2/2024	38.88645	-77.26971	Unlikely	No	Sediment build up
23	HB-21	Hunters Branch	2/2/2024	38.88544	-77.26908	Unlikely	No	Sediment build up and ponded water
24	HB-16	Hunters Branch	2/2/2024	38.88396	-77.26842	Unlikely	No	None
25	HB-2	Hunters Branch	2/2/2024	38.88388	-77.26883	Unlikely	No	Sediment build up
26	HB-22	Hunters Branch	2/2/2024	38.88329	-77.26828	Unlikely	No	None
27	PB-23	Piney Branch	2/8/2024	38.91137	-77.27496	Unlikely	No	Ponded Water
28	PB-22	Piney Branch	2/8/2024	38.90695	-77.26891	Unlikely	No	Ponded Water
29	PB-21	Piney Branch	2/8/2024	38.90674	-77.26865	Unlikely	No	None
30	PB-19	Piney Branch	2/8/2024	38.90656	-77.26878	Unlikely	No	None
31	PB-18	Piney Branch	2/8/2024	38.90621	-77.26919	Unlikely	No	Difficult to access - fenced off near Sheets hardware store
32	PB-17	Piney Branch	2/8/2024	38.90558	-77.26985	Unlikely	No	None
33	PB-16	Piney Branch	2/8/2024	38.90535	-77.27002	Unlikely	No	None
34	PB-11	Piney Branch	2/8/2024	38.90242	-77.27288	Unlikely	No	Sediment build up and ponded water
35	PB-10	Piney Branch	2/8/2024	38.90242	-77.27286	Unlikely	No	Sediment build up
36	PB-15	Piney Branch	2/8/2024	38.90453	-77.27034	Unlikely	No	None
37	PB-14	Piney Branch	2/8/2024	38.90378	-77.27162	Unlikely	No	None
38	PB-12	Piney Branch	2/8/2024	38.90353	-77.27194	Unlikely	No	Exposed pipe crossing in front of culvert.
39	WC-28	Wolftrap Creek	2/9/2024	38.90754	-77.25803	Unlikely	No	None
40	WC-12	Wolftrap Creek	2/9/2024	38.90757	-77.25784	Unlikely	No	None
41	WC-52	Wolftrap Creek	2/9/2024	38.90746	-77.25772	Unlikely	No	None
42	WC-13	Wolftrap Creek	2/9/2024	38.90741	-77.25766	Unlikely	No	None
43	WC-53	Wolftrap Creek	2/9/2024	38.90740	-77.25779	Unlikely	No	None
44	WC-29	Wolftrap Creek	2/9/2024	38.90736	-77.25778	Unlikely	No	None
45	WC-48	Wolftrap Creek	2/9/2024	38.90698	-77.25725	Unlikely	No	Tree trunk in front of outfall
46	WC-14	Wolftrap Creek	2/9/2024	38.90563	-77.25610	Unlikely	No	Sediment build up and ponded water
47	WC-15	Wolftrap Creek	2/9/2024	38.90451	-77.25498	Unlikely	No	None
48	WC-16	Wolftrap Creek	2/9/2024	38.90369	-77.25402	Unlikely	No	Sediment build up and ponded water
49	WC-17	Wolftrap Creek	2/9/2024	38.90347	-77.25337	Unlikely	No	None
50	WC-24	Wolftrap Creek	2/16/2024	38.90276	-77.25269	Unlikely	No	Sediment build up
51	WC-18	Wolftrap Creek	2/16/2024	38.90293	-77.25149	Unlikely	No	Ponded Water
52	WC-47	Wolftrap Creek	2/16/2024	38.90190	-77.24959	Unlikely	No	None
53	WC-20	Wolftrap Creek	2/16/2024	38.90122	-77.24941	Unlikely	No	None
54	WC-19	Wolftrap Creek	2/16/2024	38.90278	-77.25050	Unlikely	Yes	None
55	WC-40	Wolftrap Creek	2/16/2024	38.90238	-77.24904	Unlikely	Yes	None





# Vienna IDDE Outfalls: 2024



Created by WSP  
Date Created 2/27/2024

- ▲ IDDE Outfall
- ▲ MS4 Outfall
- Storm Sewer Lines
- FHD Streams
- Hydrologic Connections

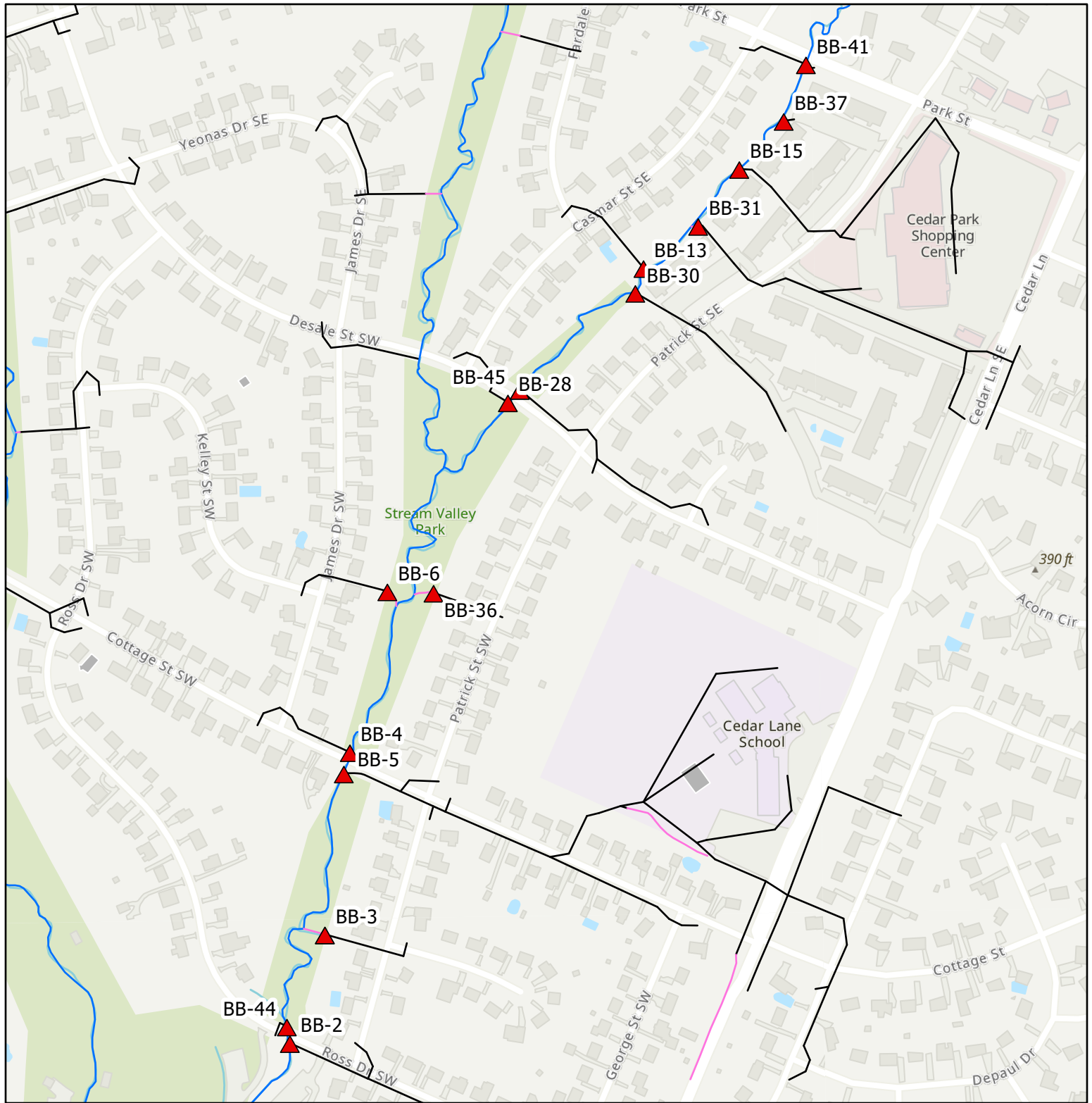
Outfall ID	Date	Stream Name
BB-28	2/1/2024	Bear Branch
BB-4	2/1/2024	Bear Branch
BB-2	2/1/2024	Bear Branch
BB-15	2/1/2024	Bear Branch
BB-13	2/1/2024	Bear Branch
BB-31	2/1/2024	Bear Branch
BB-30	2/1/2024	Bear Branch
BB-6	2/1/2024	Bear Branch
BB-5	2/1/2024	Bear Branch
BB-3	2/1/2024	Bear Branch
BB-36	2/1/2024	Bear Branch
BB-37	2/1/2024	Bear Branch

Outfall ID	Date	Stream Name
BB-41	2/1/2024	Bear Branch
BB-44	2/1/2024	Bear Branch
BB-45	2/1/2024	Bear Branch
HB-7	2/2/2024	Hunters Branch
HB-2	2/2/2024	Hunters Branch
HB-16	2/2/2024	Hunters Branch
HB-20	2/2/2024	Hunters Branch
HB-5	2/2/2024	Hunters Branch
HB-19	2/2/2024	Hunters Branch
HB-9	2/2/2024	Hunters Branch
HB-8	2/2/2024	Hunters Branch
HB-21	2/2/2024	Hunters Branch

Outfall ID	Date	Stream Name
HB-22	2/2/2024	Hunters Branch
HB-23	2/2/2024	Hunters Branch
PB-16	2/8/2024	Piney Branch
PB-17	2/8/2024	Piney Branch
PB-18	2/8/2024	Piney Branch
PB-20	2/8/2024	Piney Branch
PB-10	2/8/2024	Piney Branch
PB-11	2/8/2024	Piney Branch
PB-12	2/8/2024	Piney Branch
PB-14	2/8/2024	Piney Branch
PB-15	2/8/2024	Piney Branch
PB-19	2/8/2024	Piney Branch

Outfall ID	Date	Stream Name
PB-21	2/8/2024	Piney Branch
PB-22	2/8/2024	Piney Branch
PB-23	2/8/2024	Piney Branch
WC-24	2/16/2024	Wolftrap Creek
WC-19	2/16/2024	Wolftrap Creek
WC-18	2/16/2024	Wolftrap Creek
WC-20	2/16/2024	Wolftrap Creek
WC-40	2/16/2024	Wolftrap Creek
WC-47	2/16/2024	Wolftrap Creek
WC-28	2/9/2024	Wolftrap Creek
WC-29	2/9/2024	Wolftrap Creek
WC-17	2/9/2024	Wolftrap Creek

Outfall ID	Date	Stream Name
WC-48	2/9/2024	Wolftrap Creek
WC-52	2/9/2024	Wolftrap Creek
WC-12	2/9/2024	Wolftrap Creek
WC-13	2/9/2024	Wolftrap Creek
WC-14	2/9/2024	Wolftrap Creek
WC-15	2/9/2024	Wolftrap Creek
WC-16	2/9/2024	Wolftrap Creek
WC-53	2/9/2024	Wolftrap Creek



## Vienna IDDE; Dry Weather Screening 2024 Bear Branch

- ▲ IDDE Outfall
- ▲ MS4 Outfall
- Hydrologic Connections
- FHD Streams
- Storm Sewer Lines

Outfall ID	Outfall ID	Outfall ID	Outfall ID
BB-28	BB-13	BB-5	BB-41
BB-4	BB-31	BB-3	BB-44
BB-2	BB-30	BB-36	BB-45
BB-15	BB-6	BB-37	



0 300  
Feet

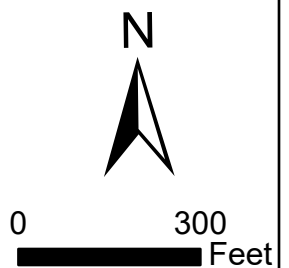




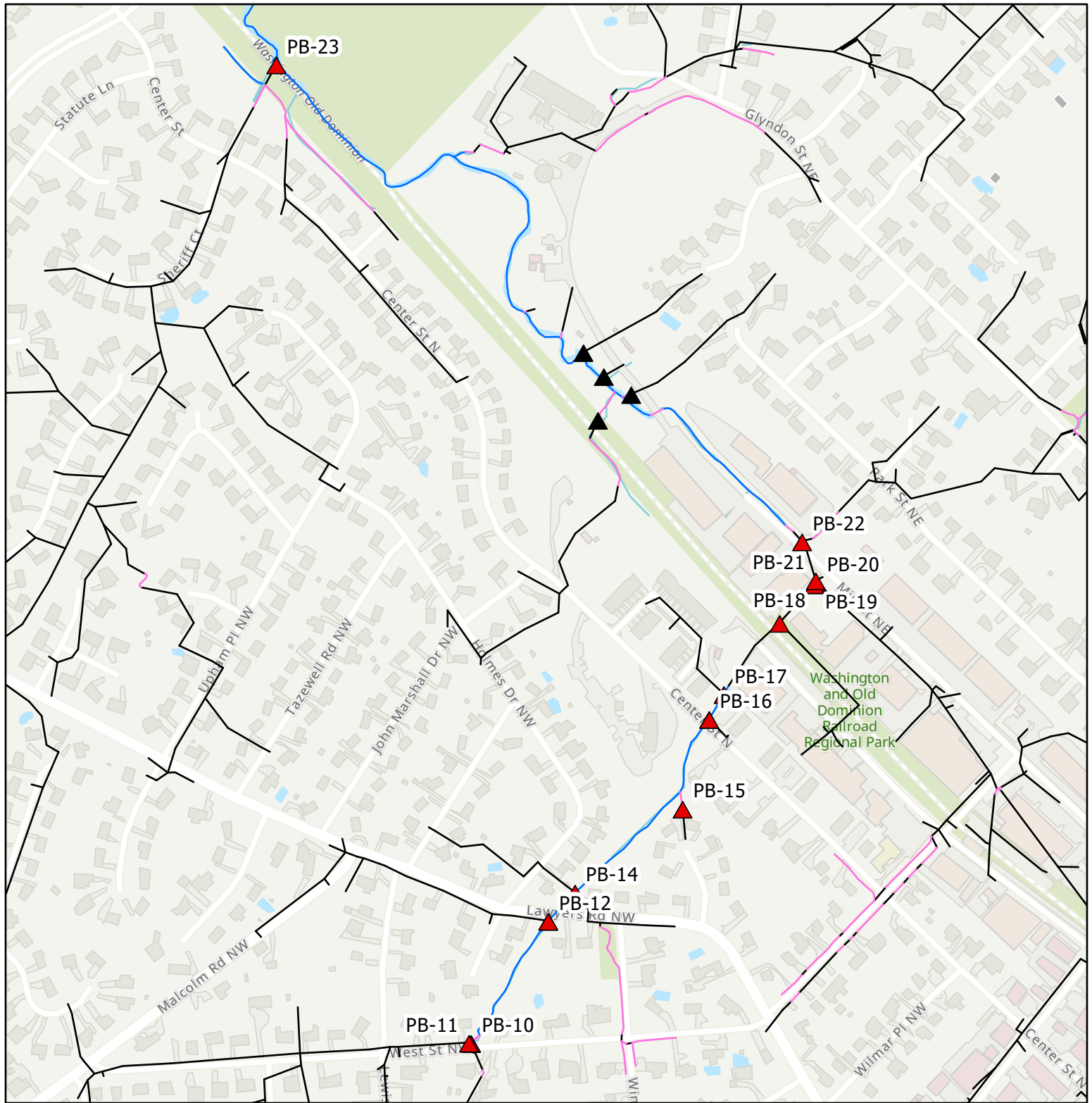
## Vienna IDDE; Dry Weather Screening 2024 Hunters Branch

- ▲ IDDE Outfall
- ▲ MS4 Outfall
- Hydrologic Connections
- FHD Streams
- Storm Sewer Lines

Outfall ID	Outfall ID	Outfall ID	Outfall ID
HB-7	HB-20	HB-9	HB-22
HB-2	HB-5	HB-8	HB-23
HB-16	HB-19	HB-21	



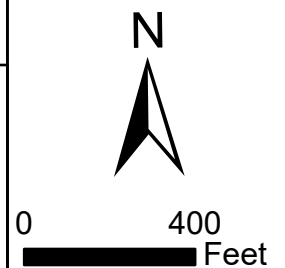


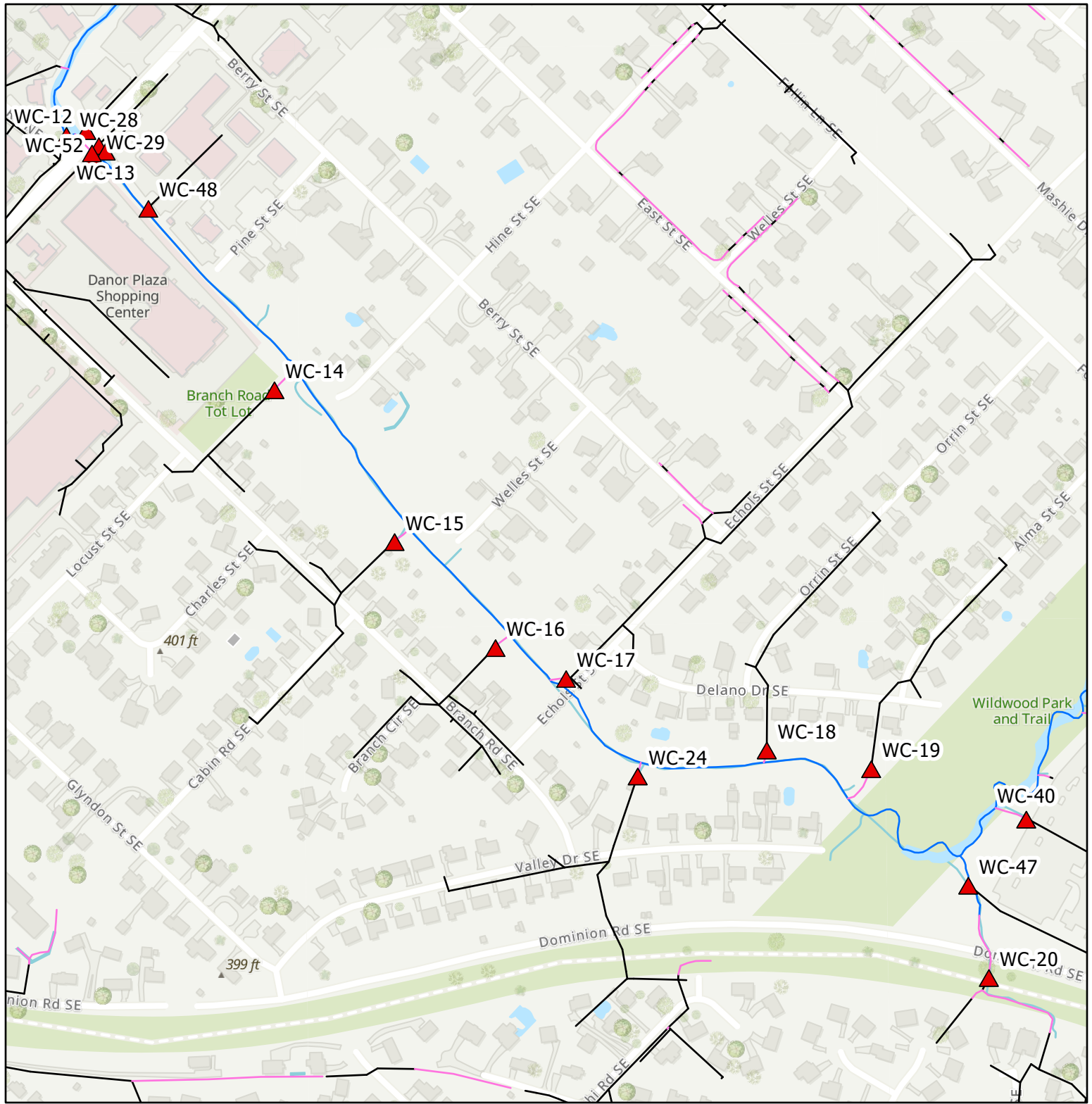


## Vienna IDDE; Dry Weather Screening 2024 Piney Branch

- ▲ IDDE Outfall
- ▲ MS4 Outfall
- Hydrologic Connections
- FHD Streams
- Storm Sewer Lines

Outfall ID	Outfall ID	Outfall ID	Outfall ID
PB-16	PB-10	PB-15	PB-23
PB-17	PB-11	PB-19	
PB-18	PB-12	PB-21	
PB-20	PB-14	PB-22	

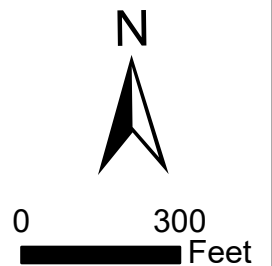




- ▲ IDDE Outfall
- ▲ MS4 Outfall
- Hydrologic Connections
- FHD Streams
- Storm Sewer Lines

## Vienna IDDE; Dry Weather Screening 2024 Wolftrap Creek

Outfall ID	Outfall ID	Outfall ID	Outfall ID	Outfall ID
WC-28	WC-52	WC-15	WC-18	WC-53
WC-29	WC-12	WC-16	WC-20	
WC-17	WC-13	WC-24	WC-40	
WC-48	WC-14	WC-19	WC-47	



## Town of Vienna Illicit Discharge Tracking – FY2024

Date Observed	Location	Reporting Source	Description	Last Precipitation Event*	Corrective Action	Town Follow Up	Closure Date
8/31/2023	450 Maple Ave E	Town Staff	Town staff noticed landscaper clearing brush and leaving yard waste debris on the side of Wolftrap Creek within the RPA.	8/26/2023 0.33 in.	Town staff was unable to contact landscaper but property manager was contacted and given 30 days to clear all debris from stream banks.	Town follow up revealed that cleanup was completed. Property owner was reached and would ensure contractor properly disposes of debris from streambank.	10/1/2023
9/22/2023	124 Courthouse Rd	Town Staff	Town staff noticed massive trash pile emptied by trash dump truck due to fire hazard in collected waste.	8/30/23 0.1 in.	Town staff ensured downstream inlet had proper inlet protection and coordinated with Republic trash to ensure proper cleanup.	No additional Town follow up other than removing inlet protection.	9/23/2023
1/12/2024	600 Mill St N	Town Police	Police vehicle exited Northside Property Yard fueling station with the gas hose still attached to the vehicle resulting in a small spill of about 5 gallons of fuel.	1/10/24 0.1 in.	The spill was immediately contained and cleaned using absorbent pads by DPW staff provided by the adjacent spill kit.	No additional Town follow up	1/10/2024



Date Observed	Location	Reporting Source	Description	Last Precipitation Event*	Corrective Action	Town Follow Up	Closure Date
2/10/2024	1101 Park St SE	Town Police	Sewage backup and sanitary overflow due to a blockage in the sewer main, which released an estimated 400-500 gallons of sewage from the manhole.	2/6/2024 0.05 in	The sewage was contained to an open field where the area was closed off and lime was used to absorb potential order. The sanitary blockage was released and the spill cleared.	CCTV follow-up.	3/10/2024



# TOWN OF VIENNA

## DEPARTMENT OF PUBLIC WORKS

### MEMORANDUM

**DATE:** June 28, 2024

**TO:** Alan Chen, Water Resource Engineer

**FROM:** Brandon Kern, Engineering Technician

**SUBJECT:** Bacteria TDML – Park Pet Waste & Pet Waste Station Inspections

Walk-throughs were completed for the Community Center, Glyndon Park, Meadow Lane Park, Town Green, and Vienna Dog Park/Moorefield Park. Find below table detailing the conditions of each site, no pet waste observations were made. Pet waste stations and waste cans were in good condition and maintained. Find attached photos and maps of the approximate path taken through each area.

The following educational signage pet waste station locations were also visited and found to be in good working condition and properly supplied with pet waste bags -- Vienna Community Center, Town Green, Glyndon Park, Stream Valley Park, and Southside Park.

Property	Known Walking Area?	Waste Observed?	Designated Specifically for Dog Activity?	Date Last Walked?
Glyndon Park	Yes	No	No	6/24/2024
Meadow Lane Park	Yes	No	No	6/25/2024
Northside Property Yard	No	No	No	5/11/2021
Salisbury Spring Park	No	No	No	5/11/2021
Town Hall	No	No	No	5/11/2021
Vienna Community Center	Yes	No	No	6/27/2024
Vienna Dog Park/Moorefield Park	Yes	No	Yes	6/26/2024
Vienna Town Green	Yes	No	No	6/24/2024
No risk factor				
Medium risk factor				
High risk factor				

Glyndon Park:



Meadow Lane Park:



Vienna Community Center:





Vienna Dog Park:



Vienna Town Green:



## Meadow Lane Park: Bacteria TDML Walk Path





# Town Green: Bacteria TDML Walk Path





# Glyndon Park: Bacteria TDML Walk Path

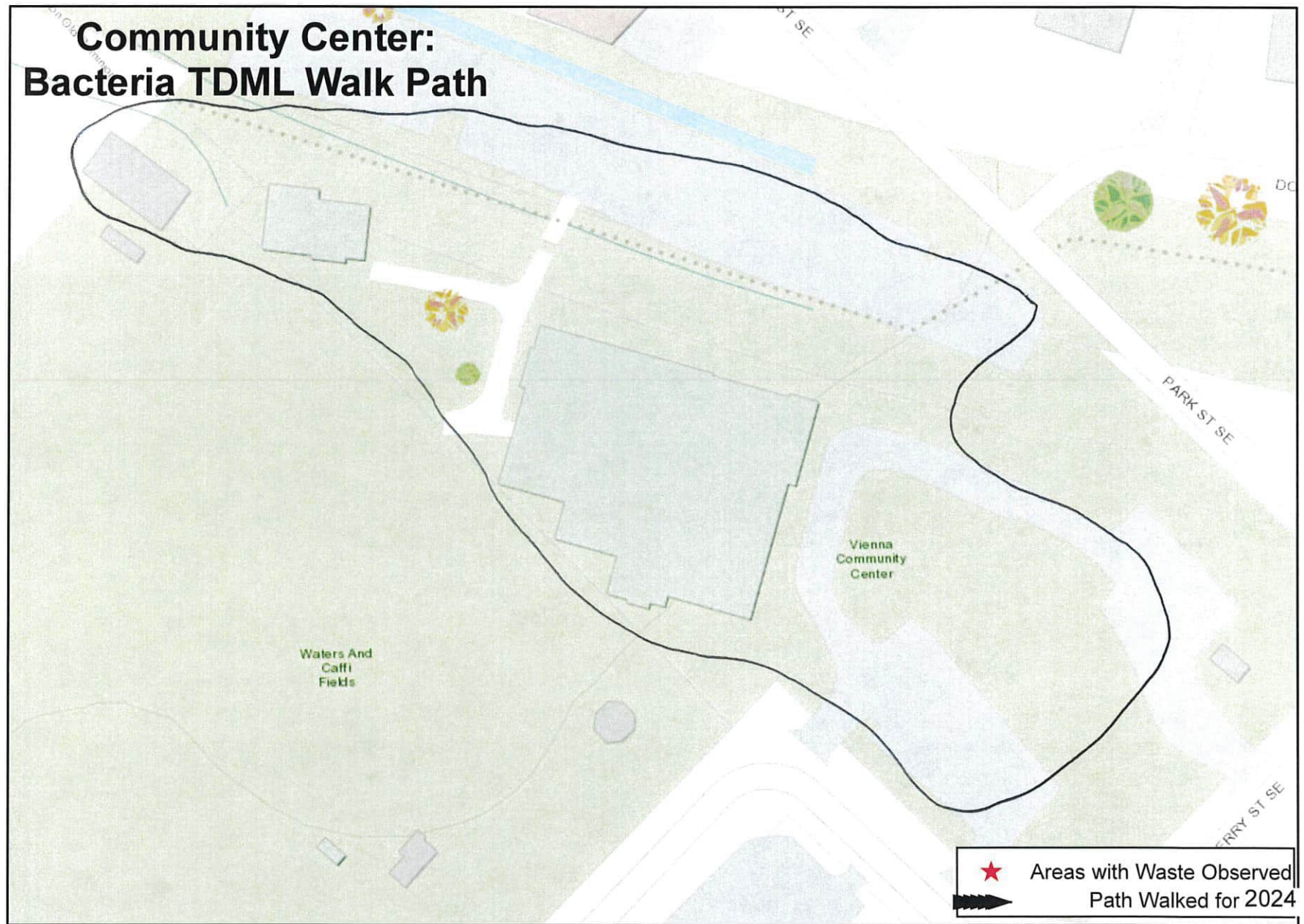


# Vienna Dog Park: Bacteria TDML Walk Path





# Community Center: Bacteria TDML Walk Path





## TOWN OF VIENNA Department of Public Works

### MEMORANDUM

**DATE:** June 28, 2024

**TO:** Alan Chen, Water Resource Engineer

**FROM:** Brandon Kern, Engineering Technician

**SUBJECT:** Erosion Check – Water & Caffi Fields Inspection



I walked a path around the Waters-Caffi baseball fields and out-buildings. The purpose was to search for areas of concern regarding sediment erosion. The walk-through yielded two main areas of some concern. Find below the map showing the observation path.



There are two areas of concern. The first area is the parking lot on the north side of the community center where there is sediment washing onto the pavement from the grass.

From Community Center Garden that borders the baseball fields to the left and the Vienna Elementary School recreation area to the right, erosion occurs where sediment washes onto the sidewalk and over into the school recreation areas. This sediment is found all along the path that border the Elementary School.

*The three photos (below) show the erosion in Waters & Caffi Fields.*



## TOWN OF VIENNA Department of Public Works

### MEMORANDUM

**DATE:** June 28, 2024

**TO:** Alan Chen, Water Resource Engineer

**FROM:** Brandon Kern, Engineering Technician

**SUBJECT:** Erosion Check – Meadow Lane Park Inspection



I walked the sidewalk from Ware St SW and up Meadow Lane past the tot lot, tennis/pickle ball courts and baseball field. The purpose was to search for areas of concern regarding sediment erosion.

The walk-through yielded these two major areas of concern. Find below map showing the observation path and areas marked showing erosion.



Meadow Lane Park has minor erosion issues due to slope and high traffic. Park property along Meadow Lane SW shows sediment erosion that flows from the baseball fields down past the tennis courts to the tot lot, resulting at park property along Ware Street SW.

The second area of concern is the gulley on the back side of the tennis courts which shows light signs of erosion.

*The three photos (below) show the erosion along Meadow Ln. SW.*



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## TOWN OF VIENNA Department of Public Works

### MEMORANDUM

**DATE:** June 28, 2024

**TO:** Alan Chen, Water Resource Engineer

**FROM:** Brandon Kern, Engineering Technician

**SUBJECT:** Erosion Check – Southside Park Fields Inspection



I walked from the main parking area over to the walkways between the park's baseball fields. The purpose was to search for areas of concern regarding sediment erosion. The walk-through yielded three main areas of concern. Find the map below showing the observation path taken.



The first area is backstop bleachers on the south side of the baseball fields where there is sediment washing onto the pavement from the field.

There is some sediment is washing from the grass down the hill on the path on the northside of the park.

The parking lot on the east side of the park has some sediment washing onto the pavement from the grass .

*The three photos (below) show the erosion in Southside Park Fields.*





## **APPENDIX D**

### **Construction Site Stormwater Runoff Control (MCM #4)**

Erosion and Sediment Control/Stormwater Management Certifications.

# COMMONWEALTH OF VIRGINIA

## Department of Environmental Quality

### STORMWATER MANAGEMENT

Combined Administrator

**Alan Chen**

CERTIFICATE NUMBER

**SWCA0684**



EXPIRATION DATE

2/14/2026



This certificate is for your records and should be kept in a safe location. Please detach the above certificate and the two wallet size cards below. It is your responsibility to ensure that your certification is kept current and that you meet the requirements for re-certification before the expiration date.

COMMONWEALTH OF VIRGINIA  
Department of Environmental Quality

STORMWATER MANAGEMENT  
Combined Administrator

Alan Chen

Certificate Number  
SWCA0684



Expiration Date  
2/14/2026

COMMONWEALTH OF VIRGINIA  
Department of Environmental Quality

STORMWATER MANAGEMENT  
Combined Administrator

Alan Chen

Certificate Number  
SWCA0684



Expiration Date  
2/14/2026

# COMMONWEALTH OF VIRGINIA

## Department of Environmental Quality

**Dual**

**Inspector**

**Rhett Elliott**

**CERTIFICATE NUMBER**

**DIN1621**



**EXPIRATION DATE**

**02/09/2025**



This certificate is for your records and should be kept in a safe location. Please detach the above certificate and the two wallet size cards below. It is your responsibility to ensure that your certification is kept current and that you meet the requirements for re-certification before the expiration date.

### COMMONWEALTH OF VIRGINIA Department of Environmental Quality

**Dual  
Inspector**  
Rhett Elliott

**Certificate Number**  
DIN1621



**Expiration Date**  
02/09/2025

### COMMONWEALTH OF VIRGINIA Department of Environmental Quality

**Dual  
Inspector**  
Rhett Elliott

**Certificate Number**  
DIN1621



**Expiration Date**  
02/09/2025



# COMMONWEALTH OF VIRGINIA

## Department of Environmental Quality

**Dual**

**Combined Administrator**

**John Jay Sergent**

CERTIFICATE NUMBER

DCA0290

EXPIRATION DATE

10/28/2025



This certificate is for your records and should be kept in a safe location. Please detach the above certificate and the two wallet size cards below. It is your responsibility to ensure that your certification is kept current and that you meet the requirements for re-certification before the expiration date.

COMMONWEALTH OF VIRGINIA  
Department of Environmental Quality

**Dual**

Combined Administrator

John Jay Sergent

Certificate Number

DCA0290



Expiration Date

10/28/2025

COMMONWEALTH OF VIRGINIA  
Department of Environmental Quality

**Dual**

Combined Administrator

John Jay Sergent

Certificate Number

DCA0290



Expiration Date

10/28/2025

## **APPENDIX E**

### **Post Construction Stormwater Management (MCM #5)**

Inspection Results for Private Stormwater Management Facilities

Inspection Results for Public Stormwater Management Facilities

New Stormwater Management Facilities for FY24

**FY2024 Private Stormwater Management Facility Inspection Results**

House No.	Address	Facility/BMP Type	Total Area (ac)	Pervious Area (ac)	Impervious Area (ac)	Date Brought Online	HUC CODE	Owner	Maintenance Agreement on File	Last Inspection	Inspection Comments	Action
500	Druid Hill NE	Infiltration Trench	0.3994	0.2524	0.147	7/11/2018	PL22	Private Owner, Residential, 2014+	Yes	5/14/2023	Third Party Inspection Received, No Deficiencies	None
500	Valley Dr SE	Bioretention	0.0213	0	0.0213	7/27/2018	PL30	Private Owner, Residential, 2014+	Yes	7/25/2023	Third Party Inspection Received, No Deficiencies	None
531	Highland St NW	Bioretention	0.0478	0	0.0478	7/27/2018	PL22	Private Owner, Residential, 2014+	Yes	9/7/2023	Third Party Inspection Received, No Deficiencies	None
400	John Marshall Dr NE	Infiltration	0.01	0	0.01	8/2/2018	PL22	Private Owner, Residential, 2014+	Yes	5/7/2018	No Inspection Received	Follow-up with Non-Compliance Letter
403	Colin Ln NW	Infiltration	0.16	0.12	0.04	8/2/2018	PL22	Private Owner, Residential, 2014+	Yes	7/25/2023	Third Party Inspection Received, No Deficiencies	None
301	Roosevelt Ct NE	Infiltration	0.03	0	0.03	8/6/2018	PL22	Private Owner, Residential, 2014+	Yes	1/4/2024	Third Party Inspection Received, No Deficiencies	None
105	Elmar Dr SE	Soil Amendment	0.04	0	0.04	9/7/2018	PL30	Private Owner, Residential, 2014+	Yes	2/22/2024	Third Party Inspection Received, No Deficiencies	None
405	Niblick Dr SE	Soil Amendment	0.1	0	0.1	9/11/2018	PL22	Private Owner, Residential, 2014+	Yes	3/19/2024	Third Party Inspection Received, No Deficiencies	None
118	Wilmar Pl NW	Infiltration	0.1475	0.0982	0.0493	9/27/2018	PL30	Private Owner, Residential, 2014+	Yes	11/13/2023	Third Party Inspection Received, No Deficiencies	None
1204	Kelley St SW	Micro Infiltration	0.059	0	0.059	10/2/2018	PL22	Private Owner, Residential, 2014+	Yes	10/24/2023	Third Party Inspection Received, No Deficiencies	None
818	Plum St SW	Infiltration	0.1	0.07	0.03	10/3/2018	PL30	Private Owner, Residential, 2014+	Yes	10/23/2023	Third Party Inspection Received, No Deficiencies	None
901	Plum St SW	Bioretention	0.03	0	0.03	10/3/2018	PL30	Private Owner, Residential, 2014+	Yes	7/27/2018	No Inspection Received	Follow-up with Non-Compliance Letter
827	Ninovan Rd SE	Infiltration	0.1042	0.0385	0.0657	10/4/2018	PL30	Private Owner, Residential, 2014+	Yes	5/2/2022	Third Party Inspection Received, No Deficiencies	None
401	MacArthur Ave NE	Infiltration Trench	0.06	0	0.06	10/18/2018	PL22	Private Owner, Residential, 2014+	Yes	10/23/2023	Third Party Inspection Received, No Deficiencies	None
408	Kramer Dr SE	Infiltration Trench	0.3141	0.2412	0.0729	10/23/2018	PL22	Private Owner, Residential, 2014+	Yes	7/7/2018	No Inspection Received	Follow-up with Non-Compliance Letter
105	Saint Andrews Dr NE	Infiltration Trench	0.05	0.02	0.03	11/1/2018	PL22	Private Owner, Residential, 2014+	Yes	7/9/2018	No Inspection Received	Follow-up with Non-Compliance Letter
612	Cottage St SW	Infiltration Trench	0.12	0.08	0.04	11/1/2018	PL22	Private Owner, Residential, 2014+	Yes	11/6/2023	Third Party Inspection Received, No Deficiencies	None
1401	Desale St SW	Infiltration Trench	0.1702	0.1281	0.0421	11/2/2018	PL30	Private Owner, Residential, 2014+	Yes	1/10/2024	Third Party Inspection Received, No Deficiencies	None
468	West St NW	Infiltration Trench	0.04	0.01	0.03	11/9/2018	PL22	Private Owner, Residential, 2014+	Yes	10/23/2023	Third Party Inspection Received, No Deficiencies	None
922	Hillcrest Dr SW	Bioretention	0.04	0	0.04	11/13/2018	PL30	Private Owner, Residential, 2014+	Yes	10/28/2023	Third Party Inspection Received, No Deficiencies	None
603	Kingsley Rd SW	Infiltration Trench	0.0266	0	0.0266	11/15/2018	PL30	Private Owner, Residential, 2014+	Yes	11/2/2018	Third Party Inspection Received, No Deficiencies	None
916	Timber Ln SW	Infiltration Trench	0.11	0.06	0.05	11/16/2018	PL30	Private Owner, Residential, 2014+	Yes	10/31/2023	Third Party Inspection Received, No Deficiencies	None
411	Druid Hill Rd NE	Infiltration Trench	0.08	0	0.08	12/6/2018	PL30	Private Owner, Residential, 2014+	Yes	10/30/2023	Third Party Inspection Received, No Deficiencies	None



House No.	Address	Facility/BMP Type	Total Area (ac)	Pervious Area (ac)	Impervious Area (ac)	Date Brought Online	HUC CODE	Owner	Maintenance Agreement on File	Last Inspection	Inspection Comments	Action
104	Yeona's Dr SE	Infiltration Trench	0.1098	0.0732	0.0366	12/7/2018	PL30	Private Owner, Residential, 2014+	Yes	5/2/2018	Third Party Inspection Received, No Deficiencies	None
321	Sherwood Dr NE	Infiltration Trench	0.13	0.08	0.05	12/20/2018	PL30	Private Owner, Residential, 2014+	Yes	1/28/2018	No Inspection Received	Follow-up with Non-Compliance Letter
109	Elm St SW	Infiltration Trench	0.05	0.05	0	12/20/2018	PL30	Private Owner, Residential, 2014+	Yes	10/24/2023	Third Party Inspection Received, No Deficiencies	None
218	Battle St SW	Filtering Practices	0.0108	0	0.0108	1/4/2019	PL30	Private Owner, Residential, 2014+	Yes	6/24/2023	Third Party Inspection Received, No Deficiencies	None
1201	Ware St SW	Bioretention	0.13	0.06	0.07	1/15/2019	PL30	Private Owner, Residential, 2014+	Yes	12/10/2018	No Inspection Received	Follow-up with Non-Compliance Letter
210	Oak St SW (formerly 701 Birch St SW)	Grass Channel	0.2074	0.1841	0.0233	1/16/2019	PL22	Private Owner, Residential, 2014+	Yes	2/9/2024	Third Party Inspection Received, No Deficiencies	None
807	Park St SE	Bioretention	0.04	0	0.04	1/22/2019	PL22	Private Owner, Residential, 2014+	Yes	2/6/2024	Third Party Inspection Received, No Deficiencies	None
107	Ayr Hill Ave NW	Infiltration Trench	0.275	0.2493	0.0257	1/28/2019	PL22	Private Owner, Residential, 2014+	Yes	2/10/2024	Third Party Inspection Received, No Deficiencies	None
504	Echols St SE	Bioretention	0.04	0	0.04	1/28/2019	PL22	Private Owner, Residential, 2014+	Yes	2/15/2024	Third Party Inspection Received, No Deficiencies	None
300	Jade Ct NW	Pervious Pavers	0.02	0	0.02	1/28/2019	PL30	Private Owner, Residential, 2014+	Yes	01/31/2024	Third Party Inspection Received, No Deficiencies	None
514	Meadow Ln SW	Bioretention	0.0512	0	0.0512	2/4/2019	PL30	Private Owner, Residential, 2014+	Yes	8/14/2024	Third Party Inspection Received, No Deficiencies	None
303	Windover Ave NW	Infiltration Trench	0.14	0	0.14	2/13/2019	PL30	Private Owner, Residential, 2014+	Yes	2/12/2024	Third Party Inspection Received, No Deficiencies	None
130	Kingsley Rd SW	Infiltration Trench	0.1059	0.0739	0.032	3/1/2019	PL30	Private Owner, Residential, 2014+	Yes	2/15/2024	Third Party Inspection Received, No Deficiencies	None
1106	Lakewood Dr SW	Bioretention	0.05	0	0.05	3/4/2019	PL30	Private Owner, Residential, 2014+	Yes	7/15/2024	Third Party Inspection Received, No Deficiencies	None
413	Yeonas Dr SW	Bioretention	0.05	0	0.05	3/7/2019	PL22	Private Owner, Residential, 2014+	Yes	2/14/2024	Third Party Inspection Received, No Deficiencies	None
524	Highland St NW	Infiltration Trench	0.22	0.14	0.08	3/8/2019	PL22	Private Owner, Residential, 2014+	Yes	6/21/2024	Third Party Inspection Received, No Deficiencies	None
617	Frederick St SW	Infiltration Trench	0.36	0.32	0.04	3/12/2019	PL22	Private Owner, Residential, 2014+	Yes	7/15/2024	Third Party Inspection Received, No Deficiencies	None
713	Park St SE	Bioretention	0.05	0	0.05	3/14/2019	PL22	Private Owner, Residential, 2014+	Yes	6/26/2024	Third Party Inspection Received, No Deficiencies	None
836	Ninovan Rd SE	Infiltration Trench	0.01	0	0.01	3/14/2019	PL30	Private Owner, Residential, 2014+	Yes	2/22/2024	Third Party Inspection Received, No Deficiencies	None
204	Branch Rd SE	Soil Compost Amendment	0.24	0.14	0.1	3/15/2019	PL30	Private Owner, Residential, 2014+	Yes	3/22/2024	Third Party Inspection Received, No Deficiencies	None
607	John Marshall Dr NE	Infiltration Trench	0.0737	0.0518	0.0219	3/18/2019	PL22	Private Owner, Residential, 2014+	Yes	2/27/2024	Third Party Inspection Received, No Deficiencies	None
108	Elmar Dr SW	Infiltration Trench	0.1202	0.0912	0.029	3/26/2019	PL30	Private Owner, Residential, 2014+	Yes	4/4/2024	Third Party Inspection Received, No Deficiencies	None
121	Kingsley Rd SW	Bioretention Basin	0.09	0	0.09	3/29/2019	PL22	Private Owner, Residential, 2014+	Yes	2/26/2019	No Inspection Received	Follow-up with Non-Compliance Letter
605	Meadow Ln SW	Bioretention	0.05	0	0.05	4/11/2019	PL22	Private Owner, Residential, 2014+	Yes	5/8/2024	Third Party Inspection Received, No Deficiencies	None

House No.	Address	Facility/BMP Type	Total Area (ac)	Pervious Area (ac)	Impervious Area (ac)	Date Brought Online	HUC CODE	Owner	Maintenance Agreement on File	Last Inspection	Inspection Comments	Action
303	Mashie Dr SE	Infiltration Trench	0.06	0	0.06	4/19/2019	PL30	Private Owner, Residential, 2014+	Yes	4/24/2024	Third Party Inspection Received, No Deficiencies	None
112	Moore Ave SW (formerly 801 Desale St SW)	Infiltration Trench	0.0624	0.0347	0.0277	4/19/2019	PL22	Private Owner, Residential, 2014+	Yes	4/19/2024	Third Party Inspection Received, No Deficiencies	None
703	Ware St SW	Infiltration Trench	0.04	0	0.04	4/23/2019	PL22	Private Owner, Residential, 2014+	Yes	4/21/2024	Third Party Inspection Received, No Deficiencies	None
110	Yeonas Dr SE	Infiltration Trench	0.03	0	0.03	4/23/2019	PL22	Private Owner, Residential, 2014+	Yes	4/8/2024	Third Party Inspection Received, No Deficiencies	None
505	Princess Ct SW	Bioretention	0.06	0	0.06	4/25/2019	PL22	Private Owner, Residential, 2014+	Yes	4/8/2024	Third Party Inspection Received, No Deficiencies	None
315	Owaissa Rd SE	Infiltration Trench	0.04	0	0.04	5/15/2019	PL22	Private Owner, Residential, 2014+	Yes	4/25/2024	Third Party Inspection Received, No Deficiencies	None
599	McKinley St NE	Infiltration Trench	0.04	0	0.04	6/5/2019	PL22	Private Owner, Residential, 2014+	Yes	4/11/2024	Third Party Inspection Received, No Deficiencies	None
603	Tapawingo Rd SW	Infiltration Trench	0.1473	0.1156	0.0317	6/6/2019	PL22	Private Owner, Commercial, 2014+	Yes	6/3/2019	No Inspection Received	Follow-up with Non-Compliance Letter
507	Druid Hill Rd NE	Infiltration Trench	0.165	0.13	0.035	6/7/2019	PL22	Private Owner, Residential, 2014+	Yes	4/4/2024	Third Party Inspection Received, No Deficiencies	None
312	Cabin Rd SE	Infiltration Trench	0.04	0	0.04	6/12/2019		Private Owner, Residential, 2014+	Yes	5/24/2024	Third Party Inspection Received, No Deficiencies	None
221	Elm St SW	Soil Compost Amendment	0.05	0	0.05	6/28/2019		Private Owner, Residential, 2014+	Yes	4/19/2024	Third Party Inspection Received, No Deficiencies	None
608	Birch St SW	Bioretention	0.04	0.01	0.03	6/28/2019		Private Owner, Residential, 2014+	Yes	6/25/2019	No Inspection Received	Extension Given to Resident

**FY2024 Public Stormwater Management Facility Inspection Results**

ObjectID	Address	Facility Type	Debris?	Overall Comments	Inches of Sediment	Condition Rating	Cleaning Required?
39	130 Shepherdson Ln NE - Regency Ridge	Detention Facility	No	No issues and facility required no cleaning or maintenance.	0	Very Good (5)	No
40	409 Blair Rd NW - Blair Rd Subdivision	Detention Facility	No		0	Good (4)	No
41	400 Block West Ct - West End Manor Subdivision	Detention Facility	No	No issues or debris noted and BMP requires no maintenance or cleaning.	0	Very Good (5)	No
42	418 Orchard St NW Estates at Orchard Ct	Detention Facility	No	No issues with BMP during inspection.	0	Very Good (5)	No
43	305 Salisbury Ln NW	Detention Facility	No	Minor amount of sediment buildup but no cleaning required for now.	1	Good (4)	No
44	Center St - Vienna Town Hall BMP Retrofits	Infiltration Trench		Overall bioretention is in good condition despite some invasive and erosion. Landscaping services recommended for 2025.			
45	Vienna Community Center	Detention Facility	No	Facility is in very poor condition and scheduled for decommissioning and replacement due to lack of maintenance.	0	Very Poor (1)	No
46	413	Detention Facility	No	No issues and less than 1 in of sediment buildup in downstream inlet.	0	Very Good (5)	No
47	319 Moorefield Rd SW (Carters Glen Subdivision)	Detention Facility	No	Issues with contractor and illicit discharge which was handled separately but BMP is in good condition with no required maintenance.	0	Good (4)	No
48	310 Moorefield Rd SW (Carters Glen II Subdivision)	Detention Facility	No	No issues with storm drain storage pipes or associated inlets.	0	Very Good (5)	No
49	619 Tapawingo Rd SW	Infiltration Trench		Regularly maintained, guardian turret inlet emptied monthly. Some issues with sod, which are fairly minor.			
50	622 Tapawingo Rd SW	Infiltration Trench		Regularly maintained, guardian turret inlet emptied monthly. Some issues with dead sod and weeds in cobblestone pretreatment channel.			
51	911 Meadow Ln SW	Infiltration Trench		Regularly maintained, guardian turret inlet emptied monthly. Some debris noted in inlet and pervasive dead sod requires maintenance.			
52	912 Meadow Ln SW	Infiltration Trench		Regularly maintained, guardian turret inlet emptied monthly.			
53	1105 Trowbridge Pl SW - Moidone Acres Subdivision	Detention Facility	No	No issues with backyard CMP storage pipe.	0	Very Good (5)	No
54	1101 Kings Way Ct SW - Kings Way Estates	Detention Facility	No	No issues other than skateboard in inlet.	0	Very Good (5)	No
55	302 Kingsley Rd SW - Vienna Woods Sec 12	Detention Facility	No	Storage pipe in excellent condition but some erosion noted around both inlets in backyard.	0	Good (4)	No
56	100 Cunningham Park Ct SE - Park Court Subdivision	Detention Facility	Yes	Storage pipe remains clogged and in very poor condition. Remediation effort is a future capital improvement project.	More Than 12	Very Poor (1)	High Priority
57	202 Elmar Dr SE - Blake Estates	Detention Facility	No	Storage pipe in front yard with no issues or maintenance required.	0	Very Good (5)	No
59	101 Battle St SE	Detention Facility	No	No issues but some standing water due to overflow weir design and recent rainfall. No maintenance required.	0	Very Good (5)	No
60	201 Glyndon St SE - Katrina Hine Echols Subdivision	Infiltration Trench		Resident complained about some standing water after large rain events though none noticed during inspection. No cleanouts or overflow in design.			
61	305 Locust	Infiltration Trench		Appears that infiltration trench cannot be located. Possibility that resident may have landscaped over trench unknowingly at some point. Some settling noticed in yard as well.			
62	702 Hine St	Infiltration Trench		Unable to locate infiltration trench likely decommissioned years ago due to landscaping.			
63	402 Creek Crossing Rd NE - Creek Crossing Estates	Detention Facility	No	No issues or maintenance required.	0	Very Good (5)	No
64	300 Block Ainstree Ct NE	Detention Facility	No	Storage pipe with no sediment or maintenance issues. Mild debris in one inlet.	0	Good (4)	No
65	543 Beulah Rd	Detention Facility	No	Very minor amounts of sediment in both inlets, no maintenance needed at the time of inspection.	2	Good (4)	No



ObjectID	Address	Facility Type	Debris?	Overall Comments	Inches of Sediment	Condition Rating	Cleaning Required?
66	509 John Marshall Dr NE - John Marshall Dr Subdivision	Detention Facility	No	Some leaves found in one of two inlets but facility is otherwise clear and in good condition	1	Good (4)	No
67	304	Detention Facility	No	No issues with inlets or storage pipe noted.	0	Very Good (5)	No
68	300 Block Ainstree Ct NE	Detention Facility	No	No issues with the BMP and no maintenance or cleaning required.	0	Very Good (5)	No
69	303 Talahi Rd SE - Buhl	Detention Facility		No issues with debris or sediment.	0		No
70	235 Talahi Rd SE (Paquette Subdivision)	Detention Facility	No	No issues or maintenance required. Facility has minimal sedimentation buildup.	0	Very Good (5)	No
71	405 Talahi Rd SE - Trailside Subdivision	Detention Facility	No	Minor amounts of debris and sedimentation found in downstream inlet. No other issues noted.	2	Good (4)	No
72	Surrey Estates - 400 Block Surrey Lane	Detention Facility	No	No issues with facility completely clear and free of debris.	0	Very Good (5)	No
73	902 Ninovan Rd, 404 Tapawingo Rd SE	Detention Facility	No	Some discharged paint found previously in inlet but otherwise no issues.	0	Good (4)	No
74	320 Adahi Rd SE - Onondio Lots 33	Detention Facility	No	No issues with debris or sedimentation.	0	Very Good (5)	No
75	854 Shady Dr SE - Kidd Property	Detention Facility	No	No issues with debris or sedimentation found and no additional maintenance required.	0	Very Good (5)	No
76	207, 209, 211, 213 Adahi Rd SE - Maple Oak	Detention Facility	No	Multiple storage pipe segments all in good condition. Resident expressed concerns of erosion in backyard swale to the inlet.	0	Very Good (5)	No
77	315 Ayito Rd SE - Redwood Corner Subdivision	Detention Facility	No	About 2-3 inches of sedimentation buildup. Immediate cleaning probably not required but should be cleared next year.	2	Adequate (3)	Low Priority
78	201 Prescott Cr SE (Prescott Subdivision)	Detention Facility	No	Visited during previous meeting for a drainage project and no issues were found in facility at the time.	0	Very Good (5)	No

## FY24 Town of Vienna DEQ BMP Warehouse Upload Confirmation

---

**From:** [BMPDataSubmission@deq.virginia.gov](mailto:BMPDataSubmission@deq.virginia.gov) <[BMPDataSubmission@deq.virginia.gov](mailto:BMPDataSubmission@deq.virginia.gov)>  
**Sent:** Monday, September 30, 2024 8:49 PM  
**To:** Chen, Alan <[Alan.Chen@viennava.gov](mailto:Alan.Chen@viennava.gov)>  
**Subject:** DEQ BMP Approval

***CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.***

Dear Alan Chen,

The Department of Environmental Quality (DEQ) has received your BMP submission. Attached you will find a Microsoft Excel document with the data you uploaded with DEQ Tracking Ids assigned to each record. Please keep this file as the Tracking Ids will be needed if you need to update the data at a later date. Thank you.

Sincerely,  
DEQ Division of Water Planning

## **APPENDIX F**

### **Pollution Prevention and Good Housekeeping (MCM #6)**

Pollution Prevention Training Sign-In Sheet

Pollution Prevention Training Presentation

Completed Northside Property Yard SWPPP Routine Inspection Checklists

Completed New Nutley Street Maintenance Yard SWPPP Routine Inspection Checklists



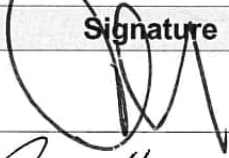

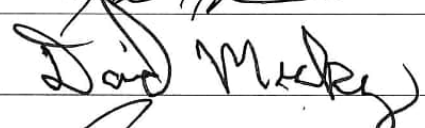
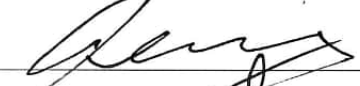
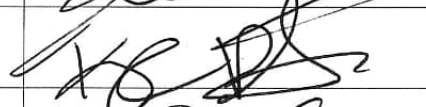
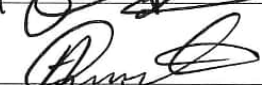



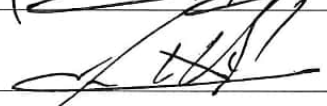

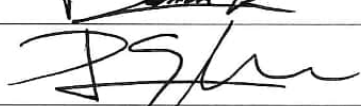
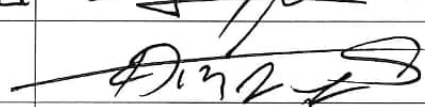
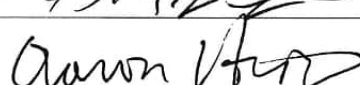
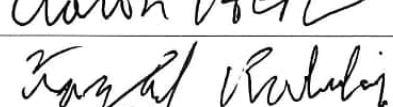



## STORMWATER TRAINING SIGN-IN SHEET


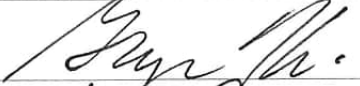





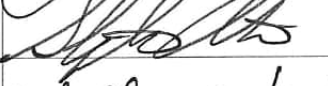





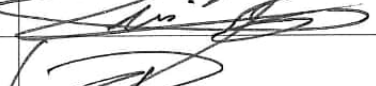

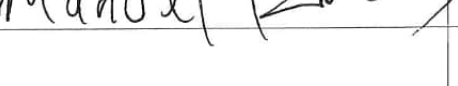
<b>Training</b>	Stormwater Training	<b>Training Date:</b>	Wednesday, September 4, 2024, 12:45 p.m.
<b>Facilitator:</b>	Alan Chen, Department of Public Works	<b>Place/Room:</b>	Northside Break Room

Name	Signature	Date
Karen Kelly	K. Kelly	9/4/24
Alan Chen	Al Chen	9/4/24
Edo. E. Senter	Edo. E. Senter	9-4-24
Eddie Gallo	Eddie Gallo	9-4-2024
Gilbert Robinson	Gilbert Robinson	9-4-2024
Elbachir Bourharas	Elbachir Bourharas	9/4/24
Marin Lunn	Marin Lunn	9/4/24
Emily Goodman	ELG	9/4/24
Tanvir Khan	Tanvir Khan	9/4/24
Austin Cornell	Austin Cornell	9/4/24
John Owens	John Owens	9/4/24
Brendan Kim	Brendan Kim	9/4/24
Aileen Khan	Aileen Khan	9/4/24
Melissa Turner	M. Lunn	9/4/24
Kertina Pruitt	K. Pruitt	9-4-24
Abdullah KAYUM	A. KAYUM	9-4-24
Darion Greenhaw	Darion Greenhaw	9-4-24


## STORMWATER TRAINING SIGN-IN SHEET

<b>Training</b>	Stormwater Training	<b>Training Date:</b>	Tuesday, September 10, 2024, 7 a.m.
<b>Facilitator:</b>	Alan Chen, Department of Public Works	<b>Place/Room:</b>	Northside Break Room

Name	Signature	Date
Alexia Reagan		9-10-24
James Hudson		9-10-24
David Mickey		9/10/24
Bruce Schrey		9/10/24
WILE RODGERS		9-10-24
Andrew Zeb		9-10-24
Doug Hinken		9/10/24
JOSE Zelaya		9/10/24
PARVEZ KHAN		9-10-24
SERGIO GARCIA		9-10-24
Denilson Ramirez		9/10/24
PABLO ORIENTAROLI		9/10/24
DENIS P		9-10-24
AARON HOSTON		9-10-24
FAZAL RABBI		9-10-24
Abdur Chowdhury		9-10-24
Mohammad anar		9-10-24
Charles Cortam		9-10-24

Name	Signature	Date
Diskon Thomas		9/10/24
George HART		9/10/24
Steve Fréixas		9/10/24
Gerardo Villanueva		9-10-24
Dominique Wynder		9-10-24
WAYNE WALKER		9-10-24
Oniel CAMPBELL		9-10-24
Steve Aten		9-10-24
William Hunter		9-10-24
CTankers		9-10-24
Angel Paga		9-10-24
Safi Alon		9/10/24
Omar Fleming		9-10-24
Luis Aleman		9/10/24
Dione Shellingford		9/10/24
M. Ross		9/10-24





# STORMWATER POLLUTION PREVENTION WORKSHOP

September 2024 – Northside Property Yard

1


## 2024 Workshop Focus

- Stormwater Pollution Prevention
- Detecting Illegal Discharges
- Northside Property Yard Stormwater Prevention Plan
  - Permit Requirements
  - Potential Sources of Pollution
  - Good Housekeeping Techniques

2

## What is stormwater?

- Stormwater is water flowing over the land during and immediately after a rain storm or snow event into the Town's storm sewer inlets and catch basins.
- Stormwater flows through the storm drains untreated into our local streams carrying with it debris, dirt, chemicals, along with many other materials.



3

## The Urban Watershed Problem

- Chesapeake Bay Regulated Pollutants
 



Phosphorus



Nitrogen



Sediment
- Sources of Pollutants
  - Yard fertilizers
  - Plant and yard waste
  - Leaking garbage and dumpsters
  - Dog waste
  - Construction sites and bare or exposed land

4

## Urban Watershed Pollution Prevention

- Best Management Practices (BMP)
  - Examples: Pervious Pavement, Infiltration Trenches.
- Stream Restorations slow storm velocities and remove pollutants.



5

## Urban Watershed Pollution Prevention

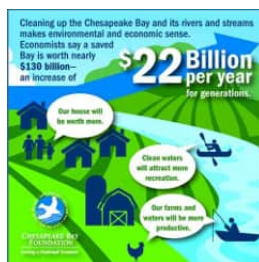
- Community education and volunteer clean-up events.
- **Staff training** and best practices.



6

## Why do we care?

- Regional impact:
  - Health of the Potomac River and the Chesapeake Bay.



7

## Why do we care?




- Local Impact:
  - Quality of Town streams and quality and cost of drinking water.



8

## Why do we care?

### □ The regulations:

EPA	• Clean Water Act	
DEQ	• Virginia Water Control Law	
TOV	• Municipal Separate Storm Sewer (MS4) Permit	

9

## MS4 Permit Requirements

- Prohibits all non-stormwater discharges unless explicitly authorized.
- Requires the Town to develop the following:
  - ▣ MS4 Program Plan for the entire Town.
  - ▣ Stormwater Pollution Prevention Plan (SWPPP) for the Northside Property Yard and Nutley Property Yard.
  - ▣ Standard Operating Procedures (SOPs) for potential pollution-causing Town operations.
- Establishes specific documentation and reporting requirements.

10

## POP QUIZ!

### □ Question 1:

How much can the Town be fined if we violate our MS4 permit?

### □ Answer 1:

**\$32,500** per violation, per day!

11

## POP QUIZ!

### □ Question 2:

True or False? Town crews are allowed to discharge water from vehicle and equipment washing to the storm drain system.

### □ Answer 2:

False! Wash water from Town operations must go to the sanitary sewer from the designated wash bay. But...Individual residential car washing is permitted.



12



## POP QUIZ!

13

### Question 3:

True or False? Sump pumps, foundation drains, and footing drains are allowed to discharge water to the storm drain system.

### Answer 3:

True! These are permitted discharges of groundwater.  
Key word = groundwater.



13

## POP QUIZ!

14

### Question 4:

True or False? Water line flushing is allowed discharge water to the storm drain system.

### Answer 4:

True....BUT it must be DECHLORINATED.



14

## What is allowed?

15

- ❑ Dechlorinated water line flushing
- ❑ Landscape irrigation
- ❑ Discharges of potable water
- ❑ Foundation and footing drains
- ❑ Air conditioning condensation
- ❑ Water from crawl space pumps
- ❑ Individual residential car washing
- ❑ Dechlorinated swimming pool discharges
- ❑ Street wash water



15

## What is not allowed?

16

- ❑ Everything else!



16

## RECOGNIZING AND REPORTING ILLICIT DISCHARGES

17

### What is an illicit discharge?

- ❑ Staff are an important component of finding illicit discharges throughout the Town.
- ❑ An illicit discharge is the discharge of anything other than stormwater unless allowed by permit.
- ❑ **This includes discharges on Town property and private property.**
- ❑ **The Town's permit requires all field personnel to be trained in recognizing illicit discharges.**

18

### Signs of an Illicit Discharge

- ❑ Some illicit discharges are obvious – but not always!
- ❑ The key is to be observant.
- ❑ Is there an unusual odor?
  - ❑ Petroleum?
  - ❑ Rotten Eggs?
  - ❑ Sewage?
  - ❑ Rancid/sour?
  - ❑ Chlorine?
- ❑ Is the water discolored, sudsy, or oily?
- ❑ Are there deposits or stains visible?

19

### Reported Discharges around Town



Cooking Oil and Grease

20

## Reported Discharges around Town

21



Illegal Dumping of Cooking Oil/Grease, Trash and Debris



Uncovered storm water drain reveals trash and debris has impacted intended operation

21

## Reported Discharges around Town

22



Trash and Leaking Dumpster

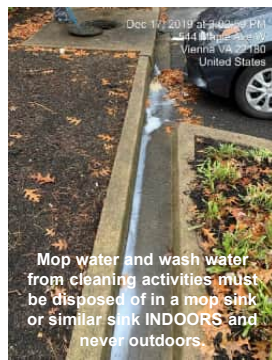
22

## Reported Discharges around Town

23



Restaurant wash water and cleaning chemicals sprayed into storm drain.



Mop water and wash water from cleaning activities must be disposed of in a mop sink or similar sink INDOORS and never outdoors.

23

## Reported Discharges around Town

24



Sediment from Construction Activities

24



## Reported Discharges around Town



Contractor Materials

25

## Reported Discharges around Town



Oil / Gasoline Leaked from Vehicle Passing Through Shopping Center

26

## Reported Discharges around Town



Wash water from Pavement Cleaning/ Oil

27

## Town Contact for Illicit Discharges

- **Alan Chen**  
 □ Office (703) 319-8610  
 □ Cell (571) 330-5733

### Emergency Spill Contacts

- (1) Town Public Works  
 □ Office (703) 255-6380
- (2) Dept. of Environmental Quality (DEQ)  
 Northern Regional Office  
 □ Office (703) 683-3800  
 □ After Hours (800) 468-8892
- (3) Fairfax County Police and Fire **AND**  
 □ 911 for an **active** spill event  
 □ Non-Emergency Contact (703) 691-2131 (Not active spill event, no immediate hazard)
- (4) Fairfax County Fire Marshal's Office  
 □ Hazardous Materials Services (703) 246-4386

### YOU MUST REPORT ...

- Oil
- Hazardous Waste
- Oil
- Antenna Fluids
- LPS
- Motor Vehicle Fluids
- Chemicals
- Solvents
- Acids & Corrosives
- Pesticides & Fertilizers
- Explosives

There is only a partial listing of substances that may require reporting. Reporting requirements may vary by quantity, or material involved. Call the DEQ at (703) 683-3800 or (800) 468-8892 for more information. Call the police at (703) 691-2131 for active spill events. Call the fire at (703) 246-4386 for hazardous materials services.



28

## Polychlorinated Biphenyls (PCBs)

- The Potomac River is contaminated with PCBs.
- Manufacture of PCBs, a legacy pollutant, was banned in 1979.
- Health risks include cancer and damage to the nervous system.
- Because it does not break down, it still persists in the environment.



29

## Sources of PCBs

- PCBs were used as coolants and insulators.
- And were used in the manufacture of transformers, hydraulic equipment, electrical equipment, and building materials including improperly discarded pre-1979 building caulk.
- Improperly discarded fluorescent light ballast manufactured prior to 1979.
  - An electronic ballast does not contain PCBs and is clearly labeled as an electronic ballast.
  - **Magnetic ballast is assumed to contain PCBs** unless specifically labeled "No PCBs."
- Improperly discarded or accidentally damaged transformers. Some existing Dominion transformers may contain small amounts above reportable thresholds.
- Other electrical equipment containing substances the trade names Aroclor, Pyranol, Inertene, and Noflamol.



30

## Sources of PCBs

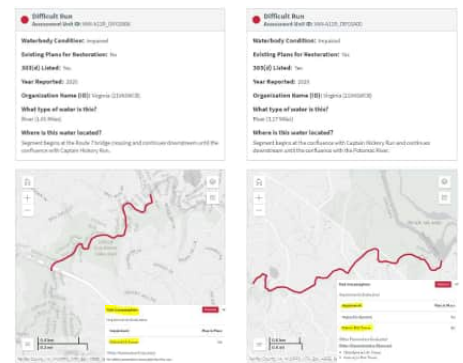


A typical Non-PCB containing fluorescent light ballast. The ballast has a "No PCBs" marking on the top of the ballast and the text "electronic ballast". Only magnetic fluorescent light ballasts contained PCBs.

31

## PCBs Detected in Local Waterways

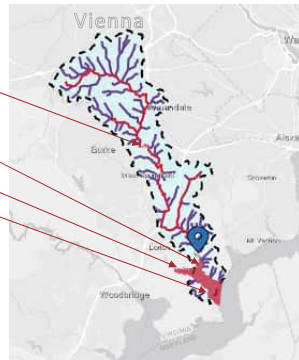
- PCBs do not decay, and instead settle into sediment of waterways or absorb into terrestrial soil.
- Can be released when illegal and improper dumping of PCB-containing wastes from **legacy electrical transformers** occurs.
- PCBs have been detected in fish in local river, Difficult Run from near Route 7 to its confluence with the Potomac River.



32

## PCBs Detected in Accotink Watershed

- ❑ Lake Accotink
- ❑ Accotink Bay
- ❑ Pohick Bay
- ❑ Gunston Cove

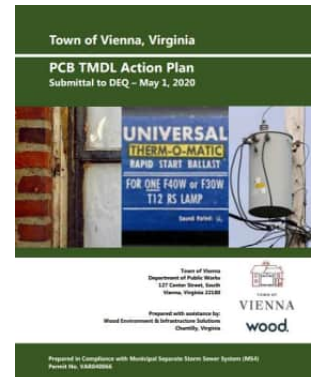


Gunston Cove (State Watershed ID: 000-020-0100000)	
Watershed	
Year Last Reported: 2020	
Watershed Condition: <span style="color: red;">●</span> Impaired	
Organization Name: (202) 979-0100 (202) 979-0100	
Evaluated Use	Condition
Aquatic Life	Impaired
Fish and Shellfish Consumption	Impaired
Recreation	Good
Other	Good
Impairment Categories were identified:	
<ul style="list-style-type: none"> <li>• <span style="color: red;">●</span> Aquatic Life</li> <li>• <span style="color: red;">●</span> Fish and Shellfish Consumption</li> </ul>	
<a href="#">View Watershed Report</a> (opens new browser tab)	

33

## Recognizing PCBs

- ❑ Over the years, Town has conducted reviews of all businesses, industries and public-owned properties and found no potential sources of PCBs.
- ❑ While Dominion may have transformers in Town, these facilities are not subject to leaking or spilling. Dominion is also able to promptly respond to any incidents.
- ❑ PCBs are likely found at older residences and buildings or areas where illegal dumping may occur. Banned in 1979.



34

## Report Potential PCBs Immediately!

- ❑ Report potential sources of PCBs to the Town immediately
- ❑ Do NOT try to handle the material yourself
- ❑ Contact Alan Chen,  
Town Water Resources Engineer
  - ❑ Office 703-319-8610
  - ❑ Mobile 571-330-5733

35

OUT AND AROUND TOWN

36



## Before you leave...

- ❑ Check the weather.
- ❑ Bring brooms and other equipment to clean up loose materials.
- ❑ Bring a tarp to cover stockpiled materials.
- ❑ Ask, do I really need it at the site?



37

## At the site...

- ❑ Employ storm inlet protection if working near a storm drain.
- ❑ Conduct routine site inspections.
- ❑ Broom sweep or vacuum surfaces frequently.
- ❑ If it is necessary to hose or blow materials, direct them toward a grassy area.



38

## At the site...

- ❑ Minimize water for cutting and milling.
- ❑ All materials, including removal of paint by high pressure water or grinding, must be collected and disposed of properly.



39

## At the site...

- ❑ Utilize sediment bags for dewatering operations.
- ❑ Consider the correct dewatering bag size.



40

## Sand, Dirt, and Gravel

41

- ❑ Minimize the amount and time of storage.
- ❑ Store under cover when possible.
- ❑ Sweep area around the pile frequently.
- ❑ Locate piles away from inlets.
- ❑ Provide inlet protection.



41

## Liquid Storage

42

- ❑ What improvements could be made in this photo?



42

## Liquid Storage

43

- ❑ Place containers on an even and stable surface.
- ❑ Place away from storm drain inlet.
- ❑ Ensure that the containers are away from active vehicular traffic.
- ❑ Keep a spill kit in proximity.



43

## Be prepared for a possible leak or spill

44

- ❑ Clear access to storage drums and containers.
- ❑ Label all hazardous substance containers.
- ❑ If in the field, bring a spill kit with you!



30 Gallon Spill Kit

44

### Northside Spill Kit #1



45

### Northside Spill Kit #2



46

### Northside Spill Kit #3 and #4



47

### Take ownership of the situation.

- ☐ Clean up spills and drips promptly.
- ☐ Sweep up used dry absorb and dispose.
- ☐ **Any spill requires attention.**
- ☐ **There is no minimum amount.**



48



## Take ownership of the situation.



49

## Spill Reporting

- After the spill is controlled, contained and recovered...
- **Small Spill**
  - ▣ No significant harm (or threat) to human health and safety or to the environment.
  - ▣ Easily controlled and does not reach water source.
  - ▣ Typically less than 25 gallons of oil.
  - ▣ Complete Small Spill Report posted on bulletin board.
  - ▣ Return report to Alan Chen and notify supervisor.
- **Significant Spill**
  - ▣ Potential hazard to human health and safety or to the environment.
  - ▣ Discharge enters surface waters.
  - ▣ Contact Alan Chen and notify supervisor (Emergency number on tank).
  - ▣ Complete Significant Spill Report posted on bulletin board.
  - ▣ Contact Emergency Services (HAZMAT, FFX FD, DPW, and DEQ) .

50

## Know Your Reporting Forms

FORM 5				FORM 6			
<b>SPILL INCIDENT REPORT</b> Complete this form when a spill occurs. If the spill is contained and cleaned up, this form is not required. Date: _____ Time: _____ Location: _____ Containment: _____ Structure: _____ Spill Type: _____ Spill Amount: _____ Spill Description: _____ Spill Cause: _____ Spill Impact: _____ Spill Response: _____ Spill Cleanup: _____ Spill Prevention: _____ Spill Investigation: _____ Spill Reporting: _____ Spill Follow-up: _____ Spill Review: _____ Spill Approval: _____ Spill Signature: _____ Spill Date: _____				<b>SECONDARY CONTAINMENT RELEASE DOCUMENTATION</b> Complete this form when a spill occurs that requires secondary containment. This form is not required if the spill is contained and cleaned up. Date: _____ Time: _____ Location: _____ Containment: _____ Structure: _____ Spill Type: _____ Spill Amount: _____ Spill Description: _____ Spill Cause: _____ Spill Impact: _____ Spill Response: _____ Spill Cleanup: _____ Spill Prevention: _____ Spill Investigation: _____ Spill Reporting: _____ Spill Follow-up: _____ Spill Review: _____ Spill Approval: _____ Spill Signature: _____ Spill Date: _____			

51

## Fueling Station Requirements

- Spills at the tank need to be reported to Vehicle Maintenance or Supervisor.
- Call emergency number posted on tank for after hours accidents.
- You are responsible while fueling vehicles; do not share ID # for fueling.

52

## POP QUIZ!

### Question 5:

True or False? Sand should be used on spills to absorb excess material.

### Answer 5:

False. Due to the grain size sand does NOT have absorbent properties. Use loose absorbent, pads or booms (or even kitty litter).



## POP QUIZ!

### Question 5:

True or False? If a spill is cleaned before it reaches the storm drain, it does not need to be reported on the Northside Spill Log.

### Answer 5:

False, all spills need to be reported. Reminder: Forms on bulletin board near lunchroom.

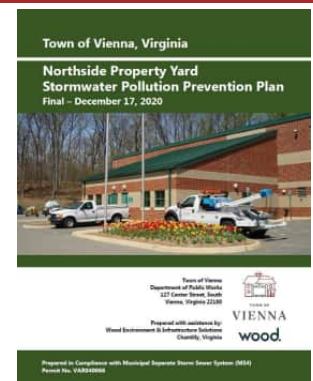
53

54

## GOOD HOUSEKEEPING PRACTICES

## Northside Property Yard SWPPP

- Last update finalized December 17, 2020.
- Materials can be swept, blown or washed into the storm drains ending up in local streams where they degrade water quality and harm aquatic life.
- Keeping pollutants out of our storm drain systems protects the Chesapeake Bay.



55

56





## Dumpsters/ Waste Management

61

- **Dumpster should be covered when not actively in use.**
- If dumpster is full with trash overflowing, empty more frequently.

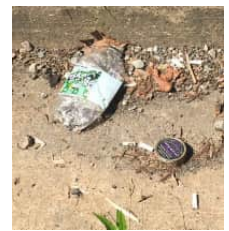


61

## Is the site free of litter and debris?

62

- Litter should be picked up and disposed of properly.
- Floatables, especially plastics, are becoming a greater focus.



62

## Used PPE goes in the trash...

63

- If a trash can is available, throw masks, gloves and wipes into it.
- If you are not near a trash bin, place used PPE in a bag until it can be discarded.



63

## Outdoor containers

64

- Container could easily tip and spill contents.
- Sudden storm could mix with water.
- Always store open liquid materials indoors.
- Properly store/dispose of used containers that are no longer in use.



64

## Have spills been properly cleaned up?

65

- Recent spills, drips, and leaks should be cleaned up routinely using absorbent.
- Ensure that absorbent is properly disposed of BEFORE next rain event.



65

## Storage of used items

66

- Store tires, containers and other items indoors when possible, to avoid exposure to rain and runoff.
- If stored outdoors, proper containment and cover should be provided.



66

## Scrap Metal

67

- These items can be recycled:
  - Steel, copper, brass, aluminum, etc.
  - Ranges, microwaves
  - Lawn mowers (gas tank removed)
  - Fire hydrants, manhole covers, old pipes, valves
  - Sign posts, old tools



67

## Sediment and debris

68

- Sediment tracked onto pavement from vehicle.
- Accumulated sediment should be periodically swept.
- The Town is assigned pollutant reduction requirements for sediment. Every bit matters.
- Conduct cleanup of areas with heavy oil and grease buildup.



68

## Stockpiles

69

- ❑ Tarp is a good best practice.
- ❑ Sweep frequently after loading/unloading or before precipitation.
- ❑ **Keep trash out of stockpile areas; litter should be placed in dumpsters at all times.**



69

## Stockpiles

70



70

## Is salt storage swept free of material?

71

- ❑ Frequent sweeping will keep salt from mixing with stormwater and leaving the site.
- ❑ **Secondary containment for salt brine has been implemented!**



71

## Dewatering Pit at Northside

72

- ❑ Dewatering bags remove silt, sand, and other debris from pumped water on construction sites, ponds, dredging locations and more.
- ❑ This helps protect surrounding streams and property, storm sewers and other receiving waters from pollution in addition to minimizing erosion concerns.



72



## Three key take-aways!

- If it isn't uncontaminated stormwater, and not explicitly allowed in the Town's permit, it is an illicit discharge.
- Preventing pollution is the most effective control measure.
- You have a personal responsibility to act – when in doubt, report an issue.



73

## Questions?

**Contact: Alan Chen**  
**Alan.Chen@viennava.gov**  
**703-319-8610**

74



## Town of Vienna Quarterly Inspection Checklist

Date: February 1, 2024

Building/Area: Northside Property Yard

Inspector: Alan Chen

1. Good Housekeeping Procedures	Yes	No	N/A	Observations/Required Actions
Are work areas and floors clean and dry?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are brooms, dust pans, and mops on hand for easy access?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all areas been inspected for visible leaks or potential discharges of significant materials?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are containment areas in good condition, with valves closed?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are dumpsters closed?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Is the site free of litter and debris?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3.
Are catch basins and other inlets to the storm drain system free from trash?	X	<input type="checkbox"/>	<input type="checkbox"/>	
2. Materials Handling and Storage	Yes	No	N/A	Observations/Required Actions
Is there adequate aisle space and organization in all storage areas so that any corrosion or leaks can be detected early?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have proper security measures been taken for storage areas?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers labeled with contents on the appropriate label?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are Safety Data Sheets available for all chemical substances?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers that are not in use closed?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Are containers stored indoors and away from entrances whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are maintenance activities conducted indoors whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	


If outdoors, are containers protected from precipitation and runoff whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 3
Are containers protected from vehicular traffic?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all containers been inspected and are they generally in good condition?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Do all containers have secondary containment?	<input type="checkbox"/>	X	<input type="checkbox"/>	The Town is working on constructing stockpile canopies but salt brine tanks now have secondary containment. See Note 2.
<b>3. Spill Prevention and Response</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is emergency/contingency equipment accessible in close proximity to storage areas (spill kits, drip pans, etc.)?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all spills been properly cleaned up and disposed of properly?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>4. Pump Inspection</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Have fuel pumps been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have oil pumps been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have other pumps been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has mobile equipment been inspected for potential leaking fluids?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>5. Structural Control Devices</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Has the Stormceptor been inspected at least once annually?	X	<input type="checkbox"/>	<input type="checkbox"/>	Stormceptor was cleared in 2022 and inspected in 2024 with no issues.
Is the most recent Stormceptor inspection included in the SWPPP?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has the oil water separator been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has the vehicle wash catch basin been inspected for sediment build-up?	X	<input type="checkbox"/>	<input type="checkbox"/>	

<b>6. Scrap Metal Storage</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Have scrap parts and empty drums no longer in use been removed from the property?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 3
<b>7. Erosion and Sediment Controls</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the facility free of bare areas that could result in soil erosion?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>8. Salt Storage Controls</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the salt storage area protected from run-on of stormwater?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is the area around the salt storage area swept after each use and free of material that could mingle with stormwater?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>9. Fueling Operations</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the spill kit fully stocked at the fuel station and accessible for use?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is all signage in good, readable condition?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have fire extinguishers been tested and are they accessible for use?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>10. Vehicles and Equipment Maintenance and Washing</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Are vehicles and equipment checked for leaking fluids?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are drip pans and spill kits located within easy access of vehicle and equipment storage areas?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are maintenance activities performed indoors when practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained or otherwise kept out of the storm drainage system?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is there any build-up of pollutants in vehicle parking areas, and if so, is there a plan for removal in accordance with the SWPPP?	<input type="checkbox"/>	X	<input type="checkbox"/>	
<b>11. Other Indicators of Illicit Discharges</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>



Is the facility clear of any signs of potential illicit discharges such as odors, staining, sheen, residue, etc.?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 4.
<b>12. Personnel Training and Record Keeping</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is a program in place to train employees on pollution prevention and the Town's good housekeeping SOPs?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are employees trained on proper spill prevention and response for the materials that they handle?	X	<input type="checkbox"/>	<input type="checkbox"/>	Formal training conducted on September 2023.

### Reference Section 5.2

Inspection Notes	Photos
<p><b>1) Observation:</b>  Dumpster's onsite were not closed at the time of the inspection. One dumpster at the designated waste location on the eastern portion of the site had a missing section of the lid. Scrap metal dumpster also does not contain a lid and is severely rusted. These containers should be repaired or replaced as needed. Both dumpsters were overflowing with trash and debris.</p> <p><b>Recommendations:</b></p> <ul style="list-style-type: none"> <li>• Dumpsters should remain closed at all times when not in use.</li> <li>• The dumpster lid should be replaced as soon as possible.</li> <li>• All dumpsters onsite should have properly functioning lids.</li> </ul> <p>Long term solution may require additional dumpsters and/or a</p>	

canopy roof above the facility.

**2) Observation:**

Clogged dewatering pit resulting in mud and sediment from exiting vehicles

**Recommendations:**

- Dewatering pit overflow structure may need to be modified. Vehicle operators are instructed to not use dewatering pit and wait for water drawdown to avoid clogging the overflow structure in the future.



**3) Observation:**

Sediment runoff in exposed stockpile areas with no tarp cover, which has been a recurring issue.

**Recommendations:**

- Stockpile canopy covers have been approved by Town Council for installation and will be completed in FY25 to prevent any future issues.





**4) Observation:**

Some mild staining of pavement from vehicle fluids

**Recommendation:**

- Emphasis on spill cleanup and completing spill logs in Staff Stormwater training utilizing absorbent materials.





## Town of Vienna Quarterly Inspection Checklist

Date: June 13, 2024

Building/Area: Northside Property Yard

Inspector: Alan Chen

1. Good Housekeeping Procedures	Yes	No	N/A	Observations/Required Actions
Are work areas and floors clean and dry?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are brooms, dust pans, and mops on hand for easy access?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all areas been inspected for visible leaks or potential discharges of significant materials?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 3
Are containment areas in good condition, with valves closed?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are dumpsters closed?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Is the site free of litter and debris?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Are catch basins and other inlets to the storm drain system free from trash?	X	<input type="checkbox"/>	<input type="checkbox"/>	
2. Materials Handling and Storage	Yes	No	N/A	Observations/Required Actions
Is there adequate aisle space and organization in all storage areas so that any corrosion or leaks can be detected early?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have proper security measures been taken for storage areas?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers labeled with contents on the appropriate label?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are Safety Data Sheets available for all chemical substances?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers that are not in use closed?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Are containers stored indoors and away from entrances whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are maintenance activities conducted indoors whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	




If outdoors, are containers protected from precipitation and runoff whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are containers protected from vehicular traffic?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all containers been inspected and are they generally in good condition?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Do all containers have secondary containment?	<input type="checkbox"/>	X	<input type="checkbox"/>	The Town is working on constructing stockpile canopies but salt brine tanks now have secondary containment. See Note 2.
<b>3. Spill Prevention and Response</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is emergency/contingency equipment accessible in close proximity to storage areas (spill kits, drip pans, etc.)?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all spills been properly cleaned up and disposed of properly?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>4. Pump Inspection</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Have fuel pumps been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have oil pumps been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have other pumps been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has mobile equipment been inspected for potential leaking fluids?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>5. Structural Control Devices</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Has the Stormceptor been inspected at least once annually?	X	<input type="checkbox"/>	<input type="checkbox"/>	Stormceptor was cleared in 2022 and inspected in 2024 with no issues.
Is the most recent Stormceptor inspection included in the SWPPP?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has the oil water separator been inspected?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has the vehicle wash catch basin been inspected for sediment build-up?	X	<input type="checkbox"/>	<input type="checkbox"/>	

<b>6. Scrap Metal Storage</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Have scrap parts and empty drums no longer in use been removed from the property?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>7. Erosion and Sediment Controls</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the facility free of bare areas that could result in soil erosion?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>8. Salt Storage Controls</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the salt storage area protected from run-on of stormwater?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3
Is the area around the salt storage area swept after each use and free of material that could mingle with stormwater?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>9. Fueling Operations</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the spill kit fully stocked at the fuel station and accessible for use?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is all signage in good, readable condition?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have fire extinguishers been tested and are they accessible for use?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>10. Vehicles and Equipment Maintenance and Washing</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Are vehicles and equipment checked for leaking fluids?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are drip pans and spill kits located within easy access of vehicle and equipment storage areas?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are maintenance activities performed indoors when practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is wash water contained or otherwise kept out of the storm drainage system?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is there any build-up of pollutants in vehicle parking areas, and if so, is there a plan for removal in accordance with the SWPPP?	<input type="checkbox"/>	X	<input type="checkbox"/>	
<b>11. Other Indicators of Illicit Discharges</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>

Is the facility clear of any signs of potential illicit discharges such as odors, staining, sheen, residue, etc.?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 3.
<b>12. Personnel Training and Record Keeping</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is a program in place to train employees on pollution prevention and the Town's good housekeeping SOPs?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are employees trained on proper spill prevention and response for the materials that they handle?	X	<input type="checkbox"/>	<input type="checkbox"/>	Formal training conducted on September 2023.

### Reference Section 5.2

Inspection Notes	Photos
<p><b>1) Observation:</b>  Dumpster's onsite were not closed at the time of the inspection. One dumpster at the designated waste location on the eastern portion of the site had a missing section of the lid. Scrap metal dumpster also does not contain a lid and is severely rusted. These containers should be repaired or replaced as needed. Both dumpsters were overflowing with trash and debris.</p> <p><b>Recommendations:</b></p> <ul style="list-style-type: none"> <li>• Dumpsters should remain closed at all times when not in use.</li> <li>• The dumpster lid should be replaced as soon as possible.</li> <li>• All dumpsters onsite should have properly functioning lids.</li> </ul> <p>Long term solution may require additional dumpsters and/or a</p>	

canopy roof above the facility.

**2) Observation:**

Sediment runoff in exposed stockpile areas with no tarp cover, which has been a recurring issue.

**Recommendations:**

- Stockpile canopy covers have been approved by Town Council for installation and will be completed in FY25 to prevent any future issues.



**3) Observation:**

Some small amounts of salt from the covered salt dome has been discharged into adjacent ground cover.

**Recommendation:**

- DPW staff is adding secondary containment of the salt dome as well as sealing any potential leaks within concrete structure and is regularly monitoring conditions to ensure no negative impacts on downstream waterways.







## Town of Vienna Quarterly Inspection Checklist

Date: October 10, 2023

Building/Area: Nutley Street  
Maintenance Yard


Inspector: Alan Chen

1. Good Housekeeping Procedures	Yes	No	N/A	Observations/Required Actions
Are work areas and floors clean and dry?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are brooms, dust pans, and mops on hand for easy access?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all areas been inspected for visible leaks or potential discharges of significant materials?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are dumpsters closed?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Is the site free of litter and debris?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are catch basins and other inlets to the storm drain system free from trash?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3
2. Materials Handling and Storage	Yes	No	N/A	Observations/Required Actions
Is there adequate aisle space and organization in all storage areas so that any corrosion or leaks can be detected early?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers labeled with contents on the appropriate label?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are Safety Data Sheets available for all chemical substances?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers that are not in use closed?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are containers stored indoors and away from entrances whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are maintenance activities conducted indoors whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
If outdoors, are containers protected from precipitation and runoff whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	

Are containers protected from vehicular traffic?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all containers been inspected and are they generally in good condition?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Do all containers have secondary containment?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>3. Spill Prevention and Response</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is emergency/contingency equipment accessible in close proximity to storage areas (spill kits, drip pans, etc.)?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all spills been properly cleaned up and disposed of properly?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicles and equipment checked for leaking fluids?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is there any build-up of pollutants in vehicle parking areas, and if so, is there a plan for removal in accordance with the SWPPP?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3
<b>4. Scrap Metal Storage</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Have scrap parts and empty drums no longer in use been removed from the property?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>5. Erosion and Sediment Controls</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the facility free of bare areas that could result in soil erosion?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has any accumulated sediment near the storm drain inlet been cleaned up?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3.
<b>6. Material Stockpiles</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Are material stockpiles contained in a way to manage stormwater run-on (bins, tarps, etc.)?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 2.
Have area surrounding stockpiles been swept to prevent migration of materials?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 2.
Are stockpiles managed to ensure that only the minimum amount needed is stored outside?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>7. Other Indicators of Illicit Discharges</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>

Is the facility clear of any signs of potential illicit discharges such as odors, staining, sheen, residue, etc.?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>8. Personnel Training and Record Keeping</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is a program in place to train employees on pollution prevention and the Town's good housekeeping SOPs?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are employees trained on proper spill prevention and response for the materials that they handle?	X	<input type="checkbox"/>	<input type="checkbox"/>	Formal training conducted later in August and September 2023.

### Reference Section 5.2

Inspection Notes	Photos
<p><b>1) Observation:</b> Dumpsters continue to not have functioning lids and this recurring issue needs to be resolved with replacement lids.</p> <p><b>Recommendations:</b></p> <ul style="list-style-type: none"> <li>• Dumpsters should not be overfilled; lids will not completely close.</li> <li>• Repair or replace dumpster lids.</li> </ul>	



**2) Observation:**

Stockpiles of mulch and yard waste do not have any secondary containment and significant amount of sediment runoff is visible as a result.

**Recommendations:**

- Stockpiles should be covered with a tarp whenever possible and especially in advance of a major rain event to prevent sediment runoff.
- Long-term solution to install a permanent stockpile storage canopy cover at Nutley Property Yard as well.

**3) Observations:**

Pollutant buildup was noted in several areas:

- Sediment buildup was noted in the parking lot. The buildup extended to stormwater gutters as well. This buildup appeared to likely originate from vehicles and equipment parked in the lot.

**Recommendations:**

Sediment buildup should be removed when noted to prevent discharged to the drainage system.







## Town of Vienna Quarterly Inspection Checklist

Date: April 1, 2024

Building/Area: Nutley Street  
Maintenance Yard


Inspector: Alan Chen

1. Good Housekeeping Procedures	Yes	No	N/A	Observations/Required Actions
Are work areas and floors clean and dry?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are brooms, dust pans, and mops on hand for easy access?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all areas been inspected for visible leaks or potential discharges of significant materials?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are dumpsters closed?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 1
Is the site free of litter and debris?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 2
Are catch basins and other inlets to the storm drain system free from trash?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3
2. Materials Handling and Storage	Yes	No	N/A	Observations/Required Actions
Is there adequate aisle space and organization in all storage areas so that any corrosion or leaks can be detected early?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers labeled with contents on the appropriate label?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are Safety Data Sheets available for all chemical substances?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are all containers that are not in use closed?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are containers stored indoors and away from entrances whenever practical?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3
Are maintenance activities conducted indoors whenever practical?	X	<input type="checkbox"/>	<input type="checkbox"/>	
If outdoors, are containers protected from precipitation and runoff whenever practical?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 3

Are containers protected from vehicular traffic?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all containers been inspected and are they generally in good condition?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Do all containers have secondary containment?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>3. Spill Prevention and Response</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is emergency/contingency equipment accessible in close proximity to storage areas (spill kits, drip pans, etc.)?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Have all spills been properly cleaned up and disposed of properly?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are vehicles and equipment checked for leaking fluids?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Is there any build-up of pollutants in vehicle parking areas, and if so, is there a plan for removal in accordance with the SWPPP?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 4
<b>4. Scrap Metal Storage</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Have scrap parts and empty drums no longer in use been removed from the property?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>5. Erosion and Sediment Controls</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is the facility free of bare areas that could result in soil erosion?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Has any accumulated sediment near the storm drain inlet been cleaned up?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 4.
<b>6. Material Stockpiles</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Are material stockpiles contained in a way to manage stormwater run-on (bins, tarps, etc.)?	<input type="checkbox"/>	X	<input type="checkbox"/>	See Note 2.
Have area surrounding stockpiles been swept to prevent migration of materials?	X	<input type="checkbox"/>	<input type="checkbox"/>	See Note 2.
Are stockpiles managed to ensure that only the minimum amount needed is stored outside?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>7. Other Indicators of Illicit Discharges</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>

Is the facility clear of any signs of potential illicit discharges such as odors, staining, sheen, residue, etc.?	X	<input type="checkbox"/>	<input type="checkbox"/>	
<b>8. Personnel Training and Record Keeping</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Observations/Required Actions</b>
Is a program in place to train employees on pollution prevention and the Town's good housekeeping SOPs?	X	<input type="checkbox"/>	<input type="checkbox"/>	
Are employees trained on proper spill prevention and response for the materials that they handle?	X	<input type="checkbox"/>	<input type="checkbox"/>	Formal training conducted later in August and September 2023.

### Reference Section 5.2

Inspection Notes	Photos
<p><b>1) Observation:</b> Dumpsters continue to not have functioning lids and this recurring issue needs to be resolved with replacement lids.</p> <p><b>Recommendations:</b></p> <ul style="list-style-type: none"> <li>• Dumpsters should not be overfilled; lids will not completely close.</li> <li>• Repair or replace dumpster lids.</li> </ul>	



**1) Observation:**

Litter and other debris were noted at material stockpile areas. Amount of material stored outside has been reduced..

**Recommendations:**

- Litter should be placed in dumpsters at all times.
- Town of Vienna heavy machinery should be stored indoors.



**2) Observation:**

Several containers and lawn equipment were stored outdoors, without adequate containment or cover from the elements.

**Recommendations:**

- Containers should be stored indoors when possible.
- Properly dispose of used containers that are no longer in use.





### **3) Observations:**

Pollutant buildup was noted in several areas:

- Sediment buildup was noted in the parking lot. The buildup extended to stormwater gutters as well. This buildup appeared to likely originate from vehicles and equipment parked in the lot.

### **Recommendations:**

Sediment buildup should be removed when noted to prevent discharged to the drainage system.



## **APPENDIX G**

### **TMDL Supporting Documentation**

Summary of Chesapeake Bay TMDL Action Plan Implementation

New Shared Credit Projects with Fairfax County

New Credits from More Stringent Single Family Residential Requirements

Social Media Posts – Salt Management (See Appendix A)

Vienna Voice Article – Salt Management (See Appendix A)

Pollution Prevention SOP for Snow Operations

SOP for Winter Weather Events

Snot SOPs Training Sign-In Sheets

Salt Tracking Forms

## Summary of Chesapeake Bay TMDL Action Plan Implementation

Cumulative Reductions from Worksheets											
	Through FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28
<b>Shared Credit Projects</b>											
TN	1,399.55	1,585.66	1,865.19	1,953.60	2,163.05	2,319.34	2,815.31	2,815.31	2,815.31	2,815.31	2,815.31
TP	314.39	364.03	457.77	499.72	562.83	610.72	811.69	811.69	811.69	811.69	811.69
TSS	117,440.10	135,381.94	164,911.98	176,188.45	198,547.72	211,104.18	287,896.32	287,896.32	287,896.32	287,896.32	287,896.32
<b>Redevelopment Post-2014</b>											
TN	61.31	64.76	68.33	79.74	98.90	98.90	98.90	98.90	98.90	98.90	98.90
TP	9.85	10.29	11.13	12.75	15.95	15.95	15.95	15.95	15.95	15.95	15.95
TSS	4,808.79	5,101.47	5,485.29	6,444.70	8,832.38	8,832.38	8,832.38	8,832.38	8,832.38	8,832.38	8,832.38
<b>Nutrient Management Plans</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	-	-	-	-	-	-	-	-	-
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>Sweeping</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	0.25	0.06	0.06	0.12	0.12	0.12	0.12	0.12	0.12
TSS	-	-	337.48	78.00	83.20	166.40	166.40	166.40	166.40	166.40	166.40
<b>Septic System Disconnects</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	-	-	-	-	-	-	-	-	-
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>Nutrient Purchases</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	-	-	-	-	-	-	-	-	-
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>Other Structural Retrofits</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	-	-	-	-	-	-	-	-	-
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>More Stringent Development</b>											
TN	117.31	146.43	199.98	251.74	299.48	336.08	366.20	366.20	366.20	366.20	366.20
TP	13.10	17.16	23.51	29.53	35.58	42.16	49.33	49.33	49.33	49.33	49.33
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>Landuse Conversion</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	-	-	-	-	-	-	-	-	-
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>Other BMPs</b>											
TN	-	-	-	-	-	-	-	-	-	-	-
TP	-	-	-	-	-	-	-	-	-	-	-
TSS	-	-	-	-	-	-	-	-	-	-	-
<b>Total Reductions</b>											
TN	1,578.17	1,796.85	2,133.50	2,285.08	2,561.43	2,754.32	3,280.41	3,280.41	3,280.41	3,280.41	3,280.41
TP	337.34	391.48	492.66	542.06	614.42	668.95	877.09	877.09	877.09	877.09	877.09
TSS	122,248.89	140,483.41	170,734.75	182,711.15	207,463.30	220,102.96	296,895.10	296,895.10	296,895.10	296,895.10	296,895.10

New FY2024 Fairfax County Shared Credits – Stream Restoration

Stream Restoration

Projects in Addition to Those Reported in the Chesapeake Bay TMDL Action Plan Completed July 1, 2023 to June 30, 2024 (or previously unreported)

Project Name	Substantial Completion	Longitude	Latitude	Type of Project or BMP	Acres Treated (Ac)	Impervious Acres Treated (Ac)	Pervious Acres Treated (Ac)	Estimated Cost (\$)	Restored Length (LF)	Estimated Amount of Total Pollutant Reduction (lbs/yr)			Pollutant Reduction Calculation Method	% Treated Area Outside Regulated Area	Baseline Reduction Provided for Unregulated Areas (lb/yr)			Total Credit Received (lb/yr)		
										TN	TP	TSS			TN	TP	TSS	TN	TP	TSS
Construction Complete																				
Accotink Trib @ Danbury Forest	4/9/2024	38.802252	-77.235134	Urban Stream Restoration	244.00	73.70	170.3	\$3,271,180	2,852	1,647	618	213,211	CBP USREP: P1: BANCS 1,177.96 ton/yr, SDR 0.181, P2: Restored Length 2577 ft, Average Width 7.17 ft	32.0%	73.78	9.24	7,825.70	1,573.1	609.2	205,385.1
Crook Branch @ Mantua Hills	9/27/2023	38.845084	-77.250742	Urban Stream Restoration	827.80	287.25	540.6	\$5,228,794	3,756	7,326	2,986	1,029,371	CBP USREP: P1: BANCS 5,687.13 ton/yr, SDR 0.181, P2: Restored Length 3266 ft, Average Width 7.78 ft	43.0%	391.45	54.29	47,102.79	6,934.1	2,931.5	982,267.7
Popes Head Tributary @ Havenner Road	4/30/2024	38.792348	-77.354182	Urban Stream Restoration	367.90	44.10	323.8	\$5,811,000	4,152	1,069	264	91,143	CBP USREP: P1: BANCS 503.55 ton/yr, SDR 0.181, P2: Restored Length 4152 ft, Average Width 5.13 ft	81.0%	205.31	16.32	11,817.05	863.2	248.1	79,325.5
Popes Head Tributary @ Havenner Road Seg2	4/30/2024	38.791352	-77.356859	Urban Stream Restoration	378.30	44.10	334.2	\$2,880,000	998	211	27	27,131	CBP USREP: P1: BANCS 255 tons/yr, 0.52 lb/ton TP, 2.8 lb/ton TN, SDR 0.592 TN, 0.414 TP, 0.106 TSS	81.0%	173.89	17.36	12,531.57	37.4	10.1	14,599.6
Rabbit Branch @ Collingham Drive	10/30/2023	38.805317	-77.292888	Urban Stream Restoration	431.40	135.90	295.5	\$6,052,150	4,481	3,909	1,518	523,314	CBP USREP: P1: BANCS 2,891.24 ton/yr, SDR 0.181, P2: Restored Length 4481 ft, Avg Width 4.12 ft	30.0%	133.53	17.00	14,462.08	3,775.0	1,500.9	508,852.4
Rocky Branch Trib @ Ashlawn Park	5/30/2024	38.898411	-77.299658	Urban Stream Restoration	34.60	9.50	25.1	\$1,773,054	1,529	715	329	113,465	CBP USREP: P1: BANCS 626.88 ton/yr, SDR 0.181	48.0%	28.35	2.79	2,204.95	686.3	326.3	111,260.3
Schneider Branch Segment 1 @ Sully Road	9/28/2023	38.892995	-77.444264	Urban Stream Restoration	344.80	201.02	143.8	\$2,316,000	1,048	181	33	11,222	CBP USREP: P1: BANCS 62 ton/yr, SDR 0.181, P2: Restored Length 1048 ft, Average Width 6.34 ft	58.0%	104.48	18.80	6,481.67	76.4	13.8	4,740.3
Rocky Run Tributary @ Dulles Access Road	9/21/2023	38.937639	-77.241625	Urban Stream Restoration	303.62	170.94	132.7	\$1,579,264	1,186	218	51	17,470	CBP USREP: P1: BANCS 96.52 ton/yr, SDR 0.181, P2: Restored Length 875 ft, Average Width 10.5 ft	86.0%	186.65	43.47	14,985.33	31.0	7.2	2,484.8
Madison Meadows Lane	4/20/2023	38.903593	-77.336358	Outfall Restoration	47.80	10.52	37.3	\$820,783	816	42	68	140,705	CBP USREP: P1: BANCS 313.7 tons/yr, 0.97 lb/ton TP, 0.37 lb/ton TN, P5: Prevented Volume 14,280 cf, SDR 0.683 TN, 0.455 TP, 0.421 TSS	47.0%	18.44	1.92	1,539.83	23.7	66.3	139,164.8
Wellfleet Court	12/7/2022	38.908469	-77.168938	Outfall Restoration	24.90	10.11	14.8	\$213,856	159	11	3	17,386	CBP USREP: P5 Prevented Volume 28,450 cf, 0.35 lb/ton TP, 0.73 lb/ton TN, SDR 0.797 TN, 0.655 TP, 0.457 TSS	32.0%	3.57	0.98	970.40	7.5	2.1	16,415.8
Sorrel Ridge Lane	11/10/2023	38.889493	-77.334108	Outfall Restoration	36.70	5.51	31.2	\$195,175	199	4	1	4,548	CBP USREP: P5 Prevented Volume 6932 cf, 0.36 lb/ton TP, 1.21 lb/ton TN, SDR 0.683 TN, 0.455 TP, 0.421 TSS	73.0%	3.27	0.60	1,211.00	1.2	0.2	3,337.1
Montgomery Street	6/18/2024	38.81581	-77.17924	Outfall Restoration	106.00	24.00	82.0	\$324,284	257	7	1	7,071	CBP USREP: P1: BANCS 23.7 tons/yr, 0.32 lb/ton TP, 1.13 lb/ton TN, SDR 0.509 TN, 0.520 TP, 0.298 TSS	15.0%	1.05	0.17	1,085.01	5.8	1.0	5,986.1
Brawner Street	9/23/2022	38.93134	-77.167765	Outfall Restoration	19.74	7.30	12.4	\$311,227	300	33	10	33,132	CBP USREP: P1: BANCS 62.2 tons/yr, P5: Prevented Volume 8406 cf, 0.62 lb/ton TP, 1.14 lb/ton TN, SDR 0.797 TN, 0.655 TP, 0.457 TSS	40.0%	7.62	0.98	838.12	25.3	9.3	32,294.4
Crown Royal Drive	6/18/2024	38.78912	-77.13714	Outfall Restoration	152.00	65.40	86.6	\$816,181	505	27	3	18,289	CBP USREP: P1: BANCS 61.3 tons/yr, 0.34 lb/ton TP, 1.75 lb/ton TN, SDR 0.509 TN, 0.520 TP, 0.298 TSS	35.0%	9.43	1.07	5,969.66	17.9	2.0	12,319.8
Boehms Court	3/26/2024	38.994653	-77.284452	Outfall Restoration	53.90	17.30	36.6	\$404,378	309	16	7	36,332	CBP USREP: P5: Prevented Volume 57,918 cf, 0.41 lb/ton TP, 0.54 lb/ton TN, SDR 0.683 TN, 0.455 TP, 0.421 TSS	67.0%	10.70	3.57	2,904.22	5.2	3.9	33,427.9
Bracksford Court	5/4/2024	38.74053	-77.268386	Outfall Restoration	37.00	14.10	22.9	\$362,788	318	81	8	40,674	CBP USREP: P1: BANCS 112.1 tons/yr, 0.41 lb/ton TP, 1.85 lb/ton TN, SDR 0.782 TN, 0.628 TP, 0.363 TSS	33.0%	13.56	1.92	1,677.61	67.6	6.4	38,996.5
															1,365.08	190.48	133,606.99	14,130.45	5,738.16	2,190,858.07
															Fairfax Credit		92.3%	13,042.41	5,296.32	2,022,162.00
															Herndon Credit		4.2%	593.48	241.00	92,016.04
															Vienna Credit		3.5%	494.57	200.84	76,680.03
Control Measures Expected to be Implemented During the Next Reporting Period (July 1, 2024 - June 30, 2025):																				

Control Measures Expected to be Implemented During the Next Reporting Period (July 1, 2024 - June 30, 2025):

Fairfax County has completed the control measures in the approved TMDL Action Plan as reported in the 2019 annual report. The County will continue to report additional implemented projects annually. Other stream restoration projects currently in construction include: Colvin Run Phase 2 at Lake Fairfax Park, Rocky Branch Trib at Hickory Hollow Lane, and Difficult Run Tributary at the Government Center.



New FY2024 Fairfax County Shared Credits – Structural Retrofits

Structural BMPs and Retrofits

Projects in Addition to Those Reported in the Chesapeake Bay TMDL Action Plan Completed July 1, 2023 to June 30, 2024 (or previously unreported)

Project Name	Facility ID	Substantial Completion	Long	Lat.	Type of Project or BMP	Retrofit Details	Treated (Ac)	Impervious Treated (Ac)	Pervious Treated (Ac)	Estimated Cost (\$)	Estimated Incremental Amount of Total Pollutant Reduction (lbs/yr)*			Pollutant Reduction Calculation Method	% Treated Area Outside Regulated MS4	Baseline Reduction Provided for Unregulated Areas (lb/yr)			Total Credit Received (lb/yr)			
											TN	TP	TSS			TN	TP	TSS	TN	TP	TSS	
Construction Complete																						
Ashburton Manors Sec 1 & 2 (1001DP)	1001DP	10/25/2023	-77.393707	38.914469	Constructed Wetland	Urban Retrofit: Dry Pond to Constructed Wetland	18.40	7.08	11.32	\$298,298	31.89	3.46	2,811.00	CBP Retrofits Panel, ST curve, for 0.2 inches of runoff. Eff: TN 13.7% TP 21.5% TSS 27.3%	35%	7.59	1.18	972.32	24.30	2.28	1,838.68	
Ashburton Manors Sec 1 & 2 (1116DP)	1116DP	10/25/2023	-77.394122	38.912643	Constructed Wetland	Urban Retrofit: Dry Pond to Constructed Wetland	12.00	4.69	7.31	\$414,782	19.50	2.13	1,731.68	CBP Retrofits Panel, ST curve, for 0.2 inches of runoff. Eff: TN 12.8% TP 20.1% TSS 25.5%	21%	3.35	0.45	367.35	16.15	1.68	1,364.33	
Subtotal:							30.40	11.77	18.63	\$713,080	51.39	5.59	4,542.68				10.94	1.63	1,339.67	40.45	3.96	3,203.01
																Fairfax Credit			92.3%	37.34	3.66	2,956.38
																Herndon Credit			4.2%	1.70	0.17	134.53
																Vienna Credit			3.5%	1.42	0.14	112.11

\* Incremental amount of total pollutant reduction is computed based on the increase in storage from the pre to post retrofit condition. No pre and post pollutant reductions were calculated.

\* Incremental amount of total pollutant reduction is computed based on the increase in storage from the pre to post retrofit condition. No pre and post pollutant reductions were calculated.

**Control Measures Expected to be Implemented During the Next Reporting Period (July 1, 2024 - June 30, 2025):**  
As reported in the 2017 Annual Report, Fairfax County has completed the control measures in the approved TMDL Action Plan which were over and above the 5% reduction requirement. The County will continue to report additional implemented projects annually. Projects currently in construction include: Hollin Meadows cisterns; Springfield Parking Garage and Sully Community Center manufactured treatment devices; and Tucker Avenue stormwater facilities.

New FY2024 More Stringent Single Family Residential Requirements Reductions

More Stringent Single Family Residential Development - Structural Facilities

The following table demonstrates pollutant reductions achieved as a result of more stringent regulation of single family residential development under one acre as required by the Town's Stormwater Management Ordinance. Reductions are from structural facilities designed in accordance with the VRRM.

Long	Lat	6th Order HUC	Watershed	Chesapeake Bay and/or TDML Compliance	House #	Street	Owner	BMP Type	Operation Date	IA Treated (Acres)	Total Treated (Acres)	Runoff Captured (CU FT)	TN Reduction	TP Reduction
-77.26144059	38.88536475	PL30	Accotink	Both	1009	Mountfort Ct SW	Private	Infiltration	9/1/2023	0.06	0.06	639.00	0.81	0.11
-77.26691656	38.89880197	PL22	Difficult Run	Both	117	Courthouse Rd SW	Private	Detention and Nutrient Credits	7/19/2023	0.64	1.07	3340.00	0.00	1.18
-77.2512807	38.88497905	PL30	Accotink	Both	1206	Cottage St SW	Private	Detention and Nutrient Credits	7/3/2023	0.00	0.00	367.00	0.00	0.04
-77.24774532	38.8829834	PL30	Accotink	Both	1408	Cottage St SW	Private	Bioretention	6/26/2023	0.01	0.01	468.00	0.10	0.01
-77.2624065	38.89554657	PL22	Difficult Run	Both	509	Birch St SW	Private	Infiltration	9/19/2023	0.02	0.02	380.00	0.22	0.03
-77.25571576	38.89418008	PL30	Accotink	Both	107	Tapawingo Rd SW	Private	Bioretention	8/3/2023	0.01	0.01	387.00	0.10	0.01
-77.25157699	38.88659754	PL30	Accotink	Both	1205	Kelley St SW	Private	Infiltration	7/12/2023	0.06	0.06	434.00	0.49	0.07
-77.25747095	38.89059739	PL30	Accotink	Both	911	Timber Ln SW	Private	Bioretention	8/16/2023	0.06	0.06	496.00	0.61	0.07
-77.26099263	38.89319652	PL30	Accotink	Both	708	Plum St SW	Private	Infiltration	7/21/2023	0.05	0.05	370.00	0.67	0.10
-77.25510662	38.90292026	PL22	Difficult Run	Both	313	Branch Cir SE	Private	Bioretention	7/31/2023	0.03	0.03	466.00	0.33	0.04
-77.24485279	38.89832737	PL30	Accotink	Both	908	Shady Dr SE	Private	Detention and Nutrient Credits	9/1/2023	0.00	0.00	439.00	0.00	0.06
-77.26694026	38.90732354	PL22	Difficult Run	Both	349	Park St NE	Private	Bioretention	9/10/2023	0.09	0.11	657.00	1.14	0.14
-77.26316698	38.91478218	PL22	Difficult Run	Both	413	Cynthia Ln NE	Private	Soil Amendments	6/30/2023	0.06	0.06	414.00	0.46	0.06
-77.27386775	38.90590595	PL22	Difficult Run	Both	620	John Marshall Dr NW	Private	Bioretention	8/14/2023	0.02	0.02	364.00	0.18	0.02
-77.26660098	38.91214594	PL22	Difficult Run	Both	306	Edwin Ln NE	Private	Bioretention	7/27/2023	0.06	0.06	457.00	0.37	0.07
-77.24476707	38.91769133	PL22	Difficult Run	Both	301	Old Courthouse Rd NE	Private	Nutrient Credits	9/21/2023	0.00	0.00	795.00	0.00	0.03
-77.25377833	38.90245711	PL30	Accotink	Both	516	Valley Dr SE	Private	Infiltration	9/20/2023	0.08	0.17	593.00	1.53	0.22
-77.26858289	38.90230691	PL22	Difficult Run	Both	131	Wilmar Pl NW	Private	Infiltration	9/19/2023	0.01	0.08	256.00	0.24	0.04
-77.25657465	38.89477128	PL30	Accotink	Both	103	Elmar St SW	Private	Soil Amendments and Nutrient Credits	9/19/2023	0.06	0.06	194.00	0.00	0.04
-77.25085675	38.88468014	PL30	Accotink	Both	1210	Cottage St SW	Private	Bioretention	9/26/2023	0.03	0.03	370.00	0.30	0.04
-77.2622491	38.89024954	PL30	Accotink	Both	407	Tapawingo Rd SW	Private	Infiltration	9/26/2023	0.05	0.05	50.00	0.75	0.11
-77.2436361	38.89671967	PL30	Accotink	Both	405	Onondio Cir SE	Private	Bioretention	9/28/2023	0.03	0.03	359.00	0.32	0.04
-77.26637136	38.91180859	PL22	Difficult Run	Both	308	Broadleaf Dr NE	Private	Bioretention	10/3/2023	0.02	0.02	447.00	0.20	0.02
-77.26174158	38.91015967	PL22	Difficult Run	Both	335	Beulah Rd NE	Private	Infiltration	10/5/2023	0.07	0.07	957.00	0.61	0.09
-77.25568013	38.90018856	PL30	Accotink	Both	228	Manvell Rd SE	Private	Soil Amendments and Nutrient Credits	10/13/2023	0.06	0.00	222.00	0.00	0.04
-77.2603387	38.88753929	PL30	Accotink	Both	924	Frederick St SW	Private	Infiltration	10/19/2023	0.05	0.05	544.00	0.46	0.07
-77.26796071	38.88509415	PL30	Accotink	Both	909	Myers Cir SW	Private	Bioretention	10/17/2023	0.06	0.08	603.00	0.97	0.13
-77.25202919	38.91949401	PL22	Difficult Run	Both	1009	Westwood Dr NE	Private	Bioretention	10/23/2023	0.02	0.02	459.00	0.20	0.02
-77.25602913	38.90391366	PL22	Difficult Run	Both	316	Cabin Rd SE	Private	Infiltration	10/25/2023	0.02	0.02	363.00	0.21	0.03
-77.25787475	38.88432748	PL30	Accotink	Both	1011	Lynn St SW	Private	Bioretention and Nutrient Credits	10/30/2023	0.07	0.07	467.00	0.69	0.10
-77.25603982	38.88218111	PL30	Accotink	Both	1115	Drake St SW	Private	Infiltration	11/6/2023	0.04	0.04	403.00	0.33	0.05
-77.25834159	38.88793235	PL30	Accotink	Both	1002	Hillcrest Dr SW	Private	Soil Amendments and Nutrient Credits	11/8/2023	0.06	0.06	465.00	0.46	0.06
-77.26873202	38.88886319	PL30	Accotink	Both	703	Meadow Ln SW	Private	Bioretention	8/23/2023	0.04	0.04	523.00	0.42	0.05
-77.26482188	38.89875747	PL30	Accotink	Both	122	Locust St SW	Private	Infiltration	11/22/2023	0.08	0.08	268.00	0.55	0.08
-77.2624488	38.89015034	PL30	Accotink	Both	409	Tapawingo Rd SW	Private	Infiltration	11/30/2023	0.04	0.04	509.00	0.57	0.08
-77.25912452	38.89468161	PL30	Accotink	Both	119	Moore Ave SW	Private	Bioretention	12/11/2023	0.04	0.04	404.00	0.38	0.05
-77.25685308	38.89870749	PL22	Difficult Run	Both	607	Park St SE	Private	Infiltration	12/11/2023	0.06	0.07	777.00	0.88	0.12
-77.25198969	38.88948114	PL30	Accotink	Both	101	Kingsley Rd NE	Private	Soil Amendments and Nutrient Credits	12/11/2023	0.12	0.12	399.00	0.00	0.11
-77.2615509	38.91098004	PL22	Difficult Run	Both	421	Creek Crossing Rd NE	Private	Soil Amendments and Nutrient Credits	12/12/2023	0.11	0.11	188.00	0.00	0.12
-77.25370946	38.89004782	PL30	Accotink	Both	109	Kingsley Rd SW	Private	Infiltration	12/13/2023	0.01	0.01	27.00	0.07	0.01
-77.24485412	38.9151608	PL22	Difficult Run	Both	110	Saint Andrews Dr NE	Private	Bioretention	12/18/2023	0.05	0.05	363.00	0.21	0.03
-77.25291293	38.88468586	PL30	Accotink	Both	1205	Ross Dr SW	Private	Bioretention	12/18/2023	0.05	0.05	460.00	0.46	0.09
-77.25438247	38.89952578	PL22	Difficult Run	Both	227	Talahi Rd SE	Private	Infiltration	12/20/2023	0.03	0.03	446.00	0.26	0.04
-77.24991922	38.88459395	PL30	Accotink	Both	206	James Dr SW	Private	Bioretention and Nutrient Credits	12/20/2023	0.07	0.07	356.00	0.31	0.04
-77.27126882	38.90181116	PL22	Difficult Run	Both	255	Windover Ave NW	Private	Infiltration and Nutrient Credits	1/8/2024	0.03	0.05	293.00	0.30	0.11
-77.25059977	38.90738224	PL22	Difficult Run	Both	623	Welles St SE	Private	Detention and Nutrient Credits	1/9/2024	0.02	0.02	341.00	0.00	0.08
-77.25694905	38.8863532	PL30	Accotink	Both	404	Orleans Cir SW	Private	Infiltration	1/22/2024	0.04	0.04	374.00	0.36	0.05
-77.27753667	38.90233717	PL22	Difficult Run	Both	500	Malcolm Rd NW	Private	Infiltration	1/23/2024	0.02	0.02	449.00	0.21	0.03
-77.24512201	38.90985172	PL22	Difficult Run	Both	505	Wolfftrap Rd SE	Private	Nutrient Credits	11/16/2023	0.00	0.00	560.00	0.00	0.03
-77.25594893	38.8965564	PL30	Accotink	Both	109	Moore Ave SE	Private	Dry Well and Nutrient Credits	2/5/2024	0.00	0.00	430.00	0.00	0.06
-77.2556504	38.89042983	PL30	Accotink	Both	121	Harmony Dr SW	Private	Bioretention	2/7/2024	0.08	0.11	580.00	0.10	0.84
-77.2466272	38.88854869	PL22	Difficult Run	Both	120	Casmar St SE	Private	Infiltration	1/30/2024	0.07	0.07	402.00	0.47	0.07
-77.2539534	38.90199531	PL22	Difficult Run	Both	515	Valley Dr SE	Private	Bioretention	2/15/2024	0.03	0.03	396.00	0.30	0.04
-77.26563765	38.89096058	PL30	Accotink	Both	509	Ridge Rd SW	Private	Infiltration and Nutrient Credits	2/21/2024	0.03	0.03	434.00	0.26	0.06
-77.25993463	38.88927007	PL30	Accotink	Both	913	Hillcrest Dr SW	Private	Bioretention	3/15/2024	0.07	0.20	560.00	1.05	0.13
-77.246983	38.89596522	PL30	Accotink	Both	308	Adahi Rd SE	Private	Bioretention and Nutrient Credits	3/1/2024	0.06	0.06	273.00	0.61	0.11
-77.24795483	38.91048604	PL22	Difficult Run	Both	1006	Echols St SE	Private	Detention and Nutrient Credits	3/21/2024	0.00	0.00	572.00	0.00	0.11
-77.25828189	38.89309458	PL30	Accotink	Both	813	Plum St SW	Private	Bioretention	4/11/2024	0.01	0.01	445.00	0.12	0.01
-77.264684	38.8842899	PL30	Accotink	Both	1005	Pickett Pl SW	Private	Detention and Nutrient Credits	4/5/2024	0.00	0.00	548.00	0.00	0.07
-77.2543363	38.91766396	PL22	Difficult Run	Both	926	Fairway Dr NE	Private	Infiltration	4/16/2024	0.05	0.05	626.00	0.74	0.10
-77.26603433	38.89121373	PL22	Difficult Run	Both	511	Ridge Rd SW	Private	Infiltration	4/25/2024	0.03	0.10	377.00	0.48	0.07
-77.24973769	38.88768349	PL30	Accotink	Both	102	James Dr SE	Private	Bioretention and Nutrient Credits	4/25/2024	0.02	0.02	371.00	0.25	0.04
-77.26493583	38.90650655	PL22	Difficult Run	Both	214	Ayr Hill Ave NE	Private	Bioretention	4/30/2024	0.03	0.03	391.00	0.32	0.04
-77.25666305	38.88427385	PL30	Accotink	Both	424	Yeonas Dr SW	Private	Bioretention	5/8/2024	0.03	0.03	103.00	0.3	0.04
-77.2766372	38.90432236	PL22	Difficult Run	Both	408	Upham Pl NW	Private	Infiltration	5/14/2024	0.05	0.05	536.00	0.77	0.11
-77.25673419	38.8857485	PL30	Accotink	Both	409	Yeonas Dr SW	Private	Infiltration and Nutrient Credits	5/14/2024	0.05	0.05	379.00	0.43	0.07
-77.25329115	38.89539047	PL30	Accotink	Both	113	Tapawingo Rd SE	Private	Infiltration	5/21/2024	0.07	0.07	601.00	0.90	0.14
-77.24839132	38.91922904	PL22	Difficult Run	Both	1112	Fairway Dr NE	Private	Runoff Reduction	5/21/2024	0.00	0.00	450.00	0.00	0.00
-77.24836153	38.88393169	PL30	Accotink	Both	210	Patrick St SW	Private	Bioretention	5/23/2024	0.08	0.08	609.00	0.75	0.09
-77.25786742	38.89012969	PL30	Accotink	Both	914	Timber Ln SW	Private	Bioretention	5/23/2024	0.07	0.07	490.00	0.67	0.08
-77.26887122	38.91406838	PL22	Difficult Run	Both	410	John Marshall Dr NE	Private	Bioretention	5/28/2024	0.03	0.03	455.00	0.34	0.04
-77.2685175	38.896098	PL30	Accotink	Both	207	Courthouse Cir SW	Private	Soil Amendments and Nutrient Credits	5/29/2024	0.05	0.05	402.00	0.00	0.03
-77.25398488	38.91678259	PL22	Difficult Run	Both	921	Fairway Dr NE	Private	Infiltration	6/6/2024	0.04	0.04	525.00	0.39	0.06
-77.25754148	38.8840545	PL30	Accotink	Both	1013	Lynn St SW	Private	Infiltration	6/27/2024	0.04	0.04	645.00	0.39	0.06
-77.27630569	38.90499726	PL30	Accotink	Both	402	Upham Pl NW	Private	Bioretention	6/20/2024	0.02	0.02	452.00	0.20	0.02
-77.28027006	38.90384596	PL22	Difficult Run	Both	541	Lincoln St NW	Private	Bioretention	6/20/2024	0.12	0.21	1055.00	2.05	0.28
-77.25255553	38.9073923	PL22	Difficult Run	Both	620	Hine St SE	Private	Bioretention and Nutrient Credits	6/28/2024	0.05	0.05	793.00	0.50	0.14
TOTAL REDUCTION													30.12	7.17

**TOWN OF VIENNA  
DEPARTMENT OF PUBLIC WORKS**

**STANDARD OPERATING PROCEDURE  
Winter Weather Events**

**OBJECTIVE**

Our objective is to provide timely, efficient and effective anti-icing, de-icing, and mechanical removal of snow and ice from roadways and other means of travel during winter weather events. Delivering safe travel for town residents and the traveling public, while ensuring our teams return home safely at the end of every shift.

**PROCEDURE**

We will achieve our objective by promptly putting into action the Standard Operating Procedure for Winter Weather Events that is outlined in this document under the direction of the Director of Public Works or his/her designee. Due to the numerous variables that are inherent with winter weather in this area, each winter weather event will require different effort or emphasis on the maintenance task, which will determine the overall strategy for snow/ice removal and control.

It is important when any winter weather event arises, that crews are mobilized in advance of the predicted onset of a winter storm to ensure that the SOP can be put into action immediately. It is much better to have crews on standby and not have to use them than to wait too long and have a serious accident result from the delay.

**LEVEL OF SERVICE**

It may not be possible to maintain a snow or ice-free road during a winter weather event. The Town's fleet of plows and chemical spreaders will operate in 12 hour shifts until the roads are made safe. The Operations Superintendent or their designee will lead one shift, and the Street Maintenance Supervisor or their designee will lead the other.

The Superintendent of Operations or their designee shall establish and maintain a clear procedure by which the potential for hazardous travel conditions is communicated from the Operations Department. This will be accomplished through weather reports, and/or field observations by the Superintendent, Supervisor and other staff. Additional information may also be communicated from the Town of Vienna Police Department, The Office of Emergency Management of Fairfax or MWCOG.

The Superintendent of Operations or their designee shall provide current road information by email at the end of shift or as needed to the Director of Public Works, the Town Manager, the Police Chief and Public Information Officer.

The Police Department will be responsible for notifying the Public Information Office and/or the Town Council in the event that an incident requiring Council notification occurs, following Police Department policies already established.

## WORKFORCE

The Superintendent of Operations or their designee may/will utilize at their discretion employees from both the Public Works Department and Parks & Recreation for winter weather events to accomplish the Town's objective.

## SHIFTS

Shifts will typically be 12-13 hours in duration with one shift to start at 12:00 a.m., and the other at 12:00 p.m. Shift work will be declared in advance, as soon as storm predictions indicate necessity. **All designated essential personnel will report to their shift supervisor ½ hour prior to the beginning of their assigned shift for assignments and again at the end of their shift for clarification on next steps.**

Policy's concerning reporting for duty, pay, meals and lodging for essential personnel will be dictated by the policies outlined in Administrative Regulation 2.10; Inclement Weather/Unforeseen Emergency Conditions.

## OPERATIONS

There will be three phases of town commitment depending on the expected accumulation and duration. The phase implemented may be influenced by factors other than listed such as temperature, changing forecast, or the storms actual impact before reaching the Town of Vienna.

An operational phase may need to be increased/decreased during a winter weather event depending on the actual accumulation/duration of the storm.

Phase 1: Department of Public Works will coordinate all snow and/or ice removal with the support of the Parks & Recreation Staff. Expected accumulation of 1-3 three inches, staffing will consist of enough drivers/operators to operate the spreader trucks and loaders for two shifts, along with Parks and Recreation crews as needed. The Superintendent of Operations or their designee, Street Maintenance Supervisor and team members as deemed necessary and possibly staffing for the Emergency Operations Center. DPW will be responsible for the streets; Parks & Recreation will be responsible for Town owned parking lots, steps and walkways, along with designated sidewalks.

Phase 2: Department of Public Works will coordinate all snow and/or ice removal with the support of the Parks & Recreation Staff. Expected accumulation is between 3-6 inches and a storm of short duration (typically less than 12 hours of precipitation expected). Staffing will consist of enough drivers/operators to operate snow removal equipment for two shifts, along with Parks and Recreation crews. The Superintendent of Operations or their designee, Street Maintenance Supervisor and team members as deemed necessary, and staffing for the Emergency Operations Center. DPW will be responsible for the streets with assistance from Parks & Recreation as deemed necessary. Parks & Recreation will be responsible for Town owned parking lots, steps and walkways, along with designated sidewalks.

Phase 3: Department of Public Works will coordinate all snow and/or ice removal with the support of the Parks & Recreation Staff. Expected accumulation is at least 6 inches and a storm



of long duration (typically over 12 hours of precipitation expected). Staffing will consist of enough drivers/operators to operate snow removal equipment for two shifts Superintendent of Operations or their designee, Street Supervisor and team members as deemed necessary, and staffing for the Emergency Operations Center. . DPW will be responsible for the streets with assistance from Parks & Recreation staff as deemed necessary. **DPW and Parks & Recreation staff at the conclusion of a storm of substantial size will be responsible for Town owned parking lots, steps, walkways and designated sidewalks.**

**BE ADVISED: DURING ANY PHASE: 1, 2, or 3.** Some things may not be addressed until after the storm has finished and roadways have been cleared. (i.e. some building walkways, parking lots, and designated sidewalks.)

### **REFUSE COLLECTION**

During phase 1, 2, or 3 Refuse collection may be canceled due to unsafe working conditions.

### **SNOW REMOVAL SEQUENCE**

Snow removal Sequence will be:

1. Anti-icing when possible
2. Primary Plow/Sanding Routes
3. Secondary routes and cul-de-sacs
4. Town owned facilities, parking lots and sidewalks
5. Widening of roads and/or Removal of Snow from designated streets when major accumulations occur.(Clean-up, removal)

### **WINTER STORM MAINTENANCE**

Upon the forecast of a winter weather event, the Superintendent of Operations or their designee will notify the appropriate TOV staff of the need to prepare for shift work.

Roads will be treated in the following manner:

1. Anti-icing of the road surface with salt brine will be done when a winter event is predicted within the next three days. Rain is not predicted and the pavement is dry. The road surface temperature is above 20 degrees and there is sufficient time for the pavement to dry before the air temperature falls below 20 degrees. Anti-icing agents should be applied at 30 to 50 gallons per lane mile
2. Spreader trucks will be sent out to treat all TOV roads with chemicals at the onset of a winter storm. Chemical spreading will continue until all Town roads are treated as necessary or the accumulation has reached approximately 1½ - 2 inches. It should be noted that chemicals on treated roads effect is slower on melting snow and ice at lower temperatures. (At the discretion of the supervisor on duty chemicals, may not be applied when temperatures are well below their effective working temperature).

3. As the storm develops and approximately 1½ - 2 inches of snow has accumulated, drivers and equipment will begin to plow in their assigned areas. Designated primary streets will be cleared first, followed by secondary streets and cul-de-sacs. There will be times when additional accumulation will make it necessary to return to the primary routes before completing secondary routes.

4. After the storm has ended, plowing will continue until all streets are cleared from curb to curb as thoroughly as possible considering obstacles (such as parked cars) in the roadway. Roadway surfaces may be given additional treatment as determined by the supervisor on duty. Salt, and/or any chemical that the Town has for use as a de-icing agent may be used to help melt the build-up of snow. Sand may be applied to allow for additional traction. Weather conditions will determine if, when and how much and what type of treatment may be applied.

5. Town owned facilities, parking lots and sidewalks will be cleared. (This may be done concurrently with other activities as decided by the supervisor on duty.)

6. In the event of a storm with greater than 6 inches of snow sidewalks and parking lots may not be done with the exception of the V.P.D. & Northside Property Yard until all streets have been cleared.

7. In the event of a major snow fall, designated streets may have the snow removed. Typically snow removal may occur on Church Street between Park and Lawyers, Intersections on Maple Avenue from town line to town line along with Nutley St. S., parking spaces adjacent to Town Hall, and other locations where it has been deemed necessary.

## **EXECUTION**

The Policy outline above is intended to serve as the normal operating procedure for winter weather events, snow removal and/or ice control for the Town of Vienna. One or more of the following, which may delay or prevent the implementation of this policy, may affect all or any part of this policy:

- Snow accumulation greater than 1 inch per hour
- Freezing rain, sleet or other icing conditions
- Unsafe operating conditions
- Traffic congestion
- Public emergencies
- Downed Power Lines
- Personnel staffing
- Equipment break down

## **EQUIPMENT**

The Operations Division has the following pieces of equipment available for snow removal and ice control operations:

- 1 Anti-icing truck 41

- 6 Single axle trucks with plows and material spreaders 28, 29, 53, 39, 41, 88
- 4 Tandem axle dump trucks with plows 38, 65, 83, 85
- 4 One ton trucks with plows 27, 30, 34, 57
- 2 Skid steer loaders (with snow blowers if necessary) 140, 144
- 2 Front end loaders 163, 195
- 2 Backhoe/loader 164, 260

Parks & Recreation has the following pieces of equipment to aid in the effort.

- 2 ATV's with plows 429, 462
- 2 One ton trucks with plows 61, 92
- 2 Tractors with front buckets 402, 408
- 1 Bobcat (with snow blower if necessary) 440
- Multiple snow blowers

### **OPERATIONAL AREAS**

For purposes of snow removal and ice control operations, the Town has designated six primary routes, six secondary routes and the cul-de-sacs which are broken into the four quadrants, NE, NW, SE and SW.

The Primary routes include the following streets:

- Beulah Road NE
- Branch Road SE
- Center Street North & South
- Cherry Street SE (Center to Park)
- Church Street NE & NW
- Cottage Street SW
- Courthouse Road SW
- Creek Crossing Road NE
- Electric Avenue SE
- Follin Lane SE
- Glyndon Street NE & SE
- Kingsley Road SW (Nutley to Park)
- Lawyers Road NW
- Locust Street SE & SW
- Malcolm Road NW
- Maple Avenue East & West
- Marshall Road SW
- Nutley Street NW & SW (Marshall to Malcolm)
- Old Courthouse Road NE
- Park Street SE & NE
- Tapawingo Road SE & SW (Nutley to Park)

Secondary routes include all other streets and cul-de-sacs.

## **COMMUNICATIONS**

Most of the vehicles utilized for snow removal are equipped with radios capable of transmitting and receiving messages and those that do not, the operator will be assigned a hand held radio. Each vehicle is assigned a unique call number. In addition, the Operations Superintendent, Supervisor and Crew Leaders are issued cell phones.

## **MATERIALS**

Snow Operations uses salt-brine for anti-icing. Then may use salt, sand and or magnesium chloride as treating agents; contracts are in place with local suppliers for replenishment as needed. There are three 3,000 gallon and one 5,000 gallon tanks at Northside Property Yard that can be used for salt-brine. The Property Yard Salt Dome holds approximately 1,000 tons of salt. The salt-brine is used as an anti-icing agent on the road surface when snow is predicted within the next three days. Anti-icing helps prevent the snow and/or ice from bonding to the road surface. The salt is utilized as a de-icing agent and as it is spread on the roadway surface, it helps to melt the snow or ice so it can be removed by mechanical means (plowing) and helps resist future snow and ice packing.



## Primary Sanding Routes

### #28

Cottage St.:	Shopping Center	to	Cedar
Tapawingo Rd.:	Park	to	Moore Place
Kingsley Rd.:	Park	to	Nutley

### #88

John Marshall Dr.:	Glyndon	to	McKinley
Beulah Rd.:	Maple	to	Town Line
Creek Crossing:	Beulah	to	Town Line
Old Courthouse Rd.:	Town Line	to	Town Line

### #41

Maple Ave.:	Town Line E	to	Town Line W
Nutley St.:	Malcolm	to	Marshall Rd.
Marshall Rd.:	Nutley	to	Hillcrest

### #29

Locust St. SE:	Park	to	Branch
Glyndon St.:	Church	to	Locust
Branch Rd.:	Maple	to	Valley
Follin La.:	Maple	to	Town Line

### #39

Church St.:	Pleasant	to	East
Park St.:	North	and	South
Lawyers Rd.:	Maple	to	Town Line
Malcolm Rd.:	Lawyers	to	Town Line

### #53

Center:	North	and	South
Mill St. N:	Center	to	Bike Path
Town Hall	Parking Lot		
Locust:	Center	to	Courthouse
Courthouse Rd:	Maple	to	Town Line
Police Department	and	Church	Parking Lot
Community Center	Parking lot		

## Primary Plow Routes

#53 & #29

### **Maple Ave.**

Center St.:	Moore Ave.	to	Town Line North
Mill St. N	Center St.	to	Bike Path
Cherry St.	Center St.	to	Park St.
Tapawingo Rd.	Park St.	to	Moore PL.(including)
Kingsley Rd.	Nutley St.	to	Park St.
Marshall Rd.	Nutley St.	to	Hillcrest Dr.

#39 & #28

### **Maple Ave.**

		to	
Lawyers Rd.	Maple Ave.	to	Town Line N
Malcolm Rd.	Lawyers Rd.	to	Town Line W
Courthouse Rd.	Maple Ave.	to	Town Line W
Locust St. SW	Center St.	to	Courthouse Rd.
Cottage St.	Shopping Center	to	Cedar Lane

#88 & #41

**Maple Ave.**

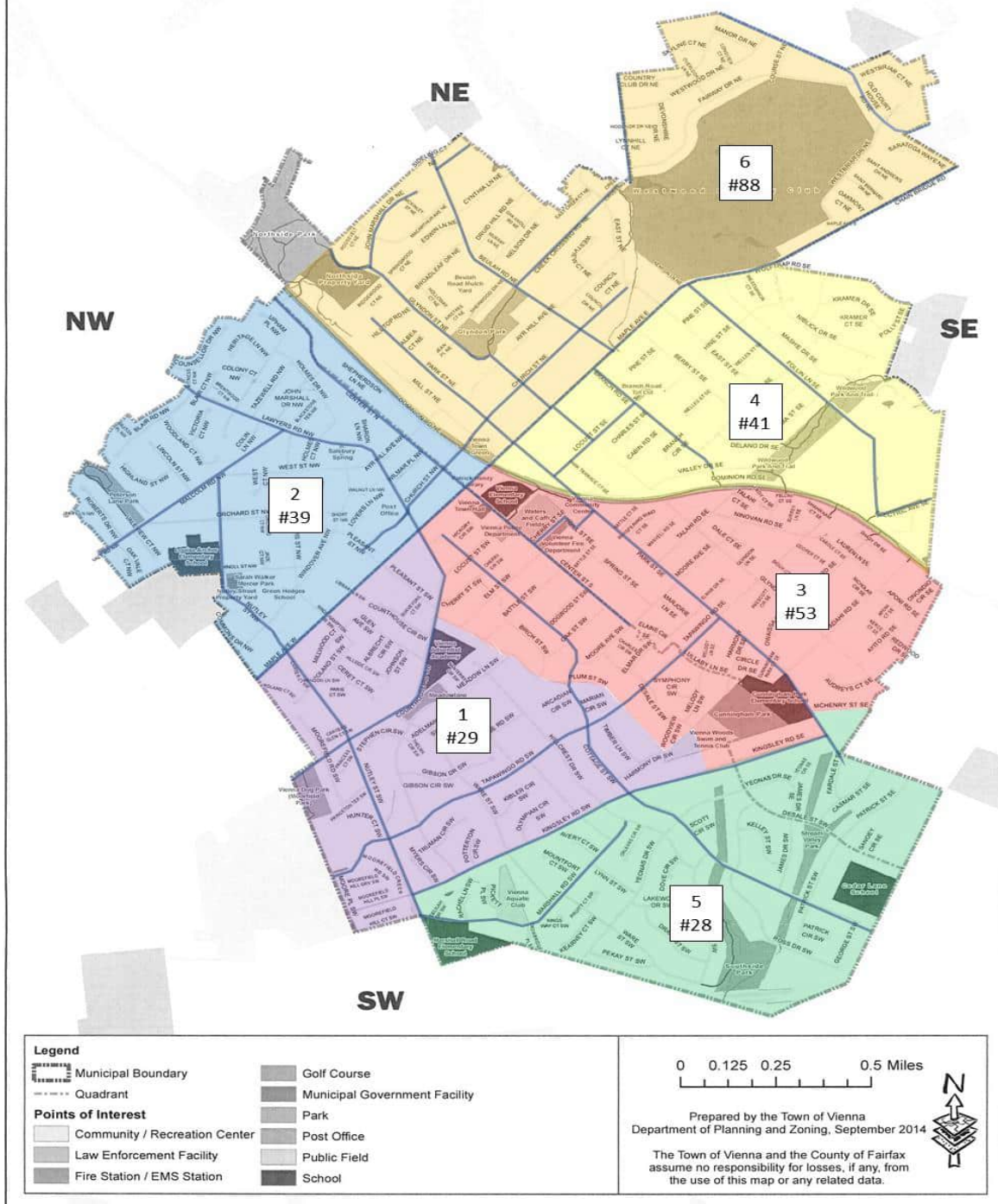
Church St	Pleasant St.	to	East St.
Beulah Rd.	Maple Ave.	to	Town Line N
Creek Crossing Rd.	Beulah Rd.	to	Town Line E
Old Court House Rd.	Town Line E	to	Town Line W
Branch Rd.	Maple Ave.	to	Valley Dr.

#85 & 65

**Maple Ave.**

Nutley St.	Malcom Rd.	to	Marshall Rd.
Park St.	Dead End N	to	Cedar Lane
Locust St. SE	Park St.	to	Branch Rd.
Glyndon St.	Northside PY	to	Valley Dr.
Follin Lane	Maple Ave.	to	Town Line S

# Secondary Plow and Sand Routes





## **Building Sidewalks, Parking Lots, and Right-of-Way Sidewalks to be cleared.**

### **Building Sidewalks**

- Northside Property Yard
- Vienna Police Department
- Town Hall
- 301 Center St. (Church)
- Bowman House
- Community Center
- Freeman Store & Museum (low priority)
- Town Green (low priority)

### **Parking Lots**

- Northside Property Yard
- Police Department
- Town Hall
- Bowman House
- 301 Center St. (Church)
- Community Center
- Nutley Property Yard
- Glyndon Park parking lot (low priority)
- Southside Park parking lot (low priority)
- NOVA Parks parking lot across from train station (low priority)
- Dog Park on Courthouse Rd. (low priority)

### **ROW Sidewalks**

- Nutley Street S – Maple Avenue to Marshall Road (both sides)
- Maple Avenue – Nutley to Follin Lane (both sides)
- Church Street – Park St. Street to Lawyers Road (both sides)
- Lawyers Road – Church Street to Maple Avenue (both sides)
- Center Street S – Church to Cherry Street (both sides)

- Locust Street SW – Courthouse Road to Center Street (one side)
- Courthouse Road – Locust Street to Nutley Street (south side – “Church” side)
- Marshall Road – Kings Way Court to Ware Street (south side)
- Malcolm Road – Nutley Street to Lawyers (north side along fencing)
- Nutley Street S – Maple to Marshall Road (both sides)
- Sidewalk around Meadow Lane Park – Ware to Meadow Lane to Fredrick St. SW (park side)
- Cherry Street SE – Park Street to Center St. (community center & ballfield side only)
- Park Street SE– Cherry Street to Locust St (both sides) including x-walks
- Park Street SE– Casmar to McHenry Street (school side)
- Mill Street – Maple to Church Street (both sides)

### **Low Priority Sidewalks**

- 124 Courthouse Rd. SW (Robinson Property)
- 440 Beulah Rd. - Front of House to Glyndon Park
- Beulah Rd. -East side Ayrhill to Maple Ave.



# Town of Vienna, Virginia

## Stormwater Pollution Prevention Standard Operating Procedure (SOP)

Snow and Deicing/Anti-icing Operations	
Date:	July 16, 2015; Revised April 8, 2019; May 1, 2021
Purpose of SOP:	To minimize or prevent pollutant discharge from operations associated with snow removal and deicing/anti-icing.
MS4 Permit Reference	Part I E 6 a; Part II B “Local TMDL Special Condition”
Responsible Parties	Michael Gallagher, PE, Director of Public Works Christine Horner, PE, Water Quality Engineer James Kirby, Director, Streets Maintenance Division, DPW Leslie Herman, Director of Parks and Recreation

This SOP is designed to minimize, to the extent practical, the impacts of snow removal and deicing/anti-icing operations on local water quality while still ensuring public safety. This includes the storage and application of sand, salt, and other deicing/anti-icing chemicals.

### 1. Responsible Parties

- a) Department of Public Works. The Street Maintenance Division of the Department of Public Works is responsible for snow removal and deicing/anti-icing operations in the Town’s road right-of-way.
- b) Department of Parks and Recreation. The Department of Parks and Recreation is responsible for deicing/anti-icing activities at public buildings, parks and recreational facilities, and adjoining sidewalks/access points.
- c) Other Town Staff. Other Town staff members may engage in minor treatment of sidewalks and building entrances using bagged or boxed deicing/anti-icing materials.
- d) Contractors. This SOP must be adopted by reference or otherwise incorporated into all contracting agreements dealing with snow removal or deicing/anti-icing operations within the Town’s road right-of-way or on Town property.

## **2. Use of Deicing/Anti-icing Agents Containing Urea or Other Nutrients**

The Town, including contractors, will not apply any deicing/anti-icing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, sidewalks, or other paved surfaces.

## **3. Small Applications**

This SOP applies to smaller small applications of deicing/anti-icing materials, such as to sidewalks or building entrances, as appropriate. Smaller areas may be pre-treated with brine or hand spreaders. The area being treated should be the minimum necessary for safety purposes. The use of materials containing magnesium is encouraged to reduce impacts on water quality and surrounding vegetation. To the extent practical, excess materials should be swept up and disposed of properly when weather conditions allow.

## **4. Salt and Deicer/Anti-icer Storage**

- a) Proper Containment. Salt and other chemical deicers/anti-icers will be stored in a covered, corrosion-resistant structure or container at all times, unless active loading or spreading is occurring. The structure will have an impervious bottom such as a concrete slab. For the Town of Vienna, these are the salt dome and brine storage containers at the Northside Property Yard.
- b) Temporary Storage. Temporary storage of salt and other chemical deicers/anti-icers is not recommended; however, if materials must be stored outside of a permanent structure, the storage must be on a temporary basis only. Temporary storage piles must be on an impervious surface (the use of a tarp as an impervious bottom is not adequate) and covered with a tarp that is adequately secured at all times when not being actively worked.
- c) Management of Run-on and Run-off. Storage structures must provide adequate barriers to prevent run-on into the storage pile, and minimize erosion from the pile. All run-off from salt and other chemical deicer/anti-icer piles must be eliminated at all times. Any run-off containing salt material must be captured and either returned to the storage pile, managed as salt brine, or discharged to a sanitary sewer system in accordance with Fairfax County guidelines.

## **5. Sand and Deicer/Anti-icer Use**

- a) Deicing Material. Prior to each winter season, the Town will assess deicing materials, and to the extent practical, will select the materials and mix that has the least impact on water quality while still effectively meeting the Town's public safety needs.
- b) Anti-icing.
  - Liquid anti-icing materials (typically brine) may be applied prior to storm events to prevent the bond between winter precipitation and the road surface. This can effectively reduce the amount of deicing material necessary for a storm event.



- Prior to each winter season, the Town will assess anti-icing materials, and to the extent practical, will select the materials and mix that has the least impact on water quality while still effectively meeting the Town's public safety needs.
  - Anti-icing should only occur if no rain is forecast prior to the event.
  - Applications should be conducted per manufacturer's recommendations.
- c) Application Rate. The Town will use the lowest application rate that will effectively treat surfaces to meet safety needs based on the forecast and current weather events.
- d) Equipment Calibration.
- All equipment will be calibrated in accordance with the manufacturer's instructions and the specified applications rates for the material being applied. The manufacturer's instructions will be kept at the Northside Property Yard and referenced prior to each winter storm event.
  - Calibration will include plowing speed, gate height, auger speed, and other applicable spreader settings.
  - The appropriate gate height and auger speed will be determined prior to each shift and checked by the supervisor between shifts.
- e) Loading. When loading salt, sand, or other deicers, care will be taken to not overfill the truck or tank.

## **6. Sand and Deicer/Anti-icer Clean Up**

- a) Clean-Up.
- Loading areas will be swept frequently to prevent salt or sand build-up and run-off. At a minimum, loading areas should be inspected and swept following each storm event or other period when handling occurs.
  - To the extent practical, excess materials on Town right-of-way and property will be cleaned up after each winter weather event.
- b) Street Sweeping. The Town conducts routine street sweeping beginning in spring to clean up debris and other materials that collect during winter months, including salt, sand, and other deicers.
- c) Vehicle Washing. Spreading and other equipment used during deicing operations will only be washed inside the bay designed for that purpose at the Northside Property Yard. Wash water from that facility enters the sanitary sewer system.

## **7. Training**

This SOP will be incorporated into annual training for applicable employees in accordance with the Town's MS4 Program Plan that involve snow and deicing/anti-icing operations. Documentation of the training, including sign-in sheets and materials used, will be included in the Town's MS4 annual reports.

# Winter Weather Event Training

## Snow and Storm Water SOP's

[illegible]

# Winter Weather Event Training

## Snow and Storm Water SOP's

[illegible]



# Winter Weather Event Training

## Snow and Storm Water SOP's

[illegible]



# Winter Weather Event Training

## Snow and Storm Water SOP's

[illegible]

# Winter Weather Event Training

## Snow and Storm Water SOP's

[illegible]

# Winter Weather Event Training

## Snow and Storm Water SOP's

[illegible]



## Salt Tracking and Reporting Data: Sheet #2 - Storms Tracking

Organization Name:	Town of Vienna					2/16 - 2/17/2024			
Sub-Organization Name:									
Geographic Area(s) of Operations:	Area 1	Area 2	Area 3	Area 4	Area 5	Other (insert text)			
Winter Season: 0	# Storm Operations (Seasonal Total):								
<b>Storm Descriptions</b>									
	Seasonal Total	Storm 1		Storm 2		Storm 3		Storm 4	
Beginning Date, Time of Each Storm Operations Deployment		2/16/24 10pm		Date	Time	Date	Time	Date	Time
End Date, Time of Operations:		2/17/24 9AM		Date	Time	Date	Time	Date	Time
Beginning Date, Time of Storm Precipitation		2/17/24 1AM		Date	Time	Date	Time	Date	Time
End Date, Time of Precipitation:		2/17/24 4AM		Date	Time	Date	Time	Date	Time
Full or Partial Deployment?		F, P		F, P		F, P		F, P	
Storm Type (Heavy Snow > 6", Medium 2-6", Light < 2")		H, M, L		H, M, L		H, M, L		H, M, L	
Inches of Snowfall:	0	1		0		0		0	
Ice or Freezing Rain?		Y, N		Y, N		Y, N		Y, N	
Road Temperature During Storm (Warm, >32, Mid, 25-32, Cold, <25 degrees F)		W, M, C		W, M, C		W, M, C		W, M, C	
Early Storm Conditions: Starts as Snow, SS; Starts as Rain, SR		SS, SR		SS, SR		SS, SR		SS, SR	
Winds During Storm (Light, < 15 mph, Strong, > 15 mph)		L, S		L, S		L, S		L, S	
Winds After Storm (Light, < 15 mph, Strong, > 15 mph)		L, S		L, S		L, S		L, S	
Forecasted Post Storm Temps (Same, Rising, Falling)		S, R, F		S, R, F		S, R, F		S, R, F	
Sources Used for Storm Information (NWS, Own Observation, other?)		NWS, OWN LOCAL NEWS							
Other Notes Describing Storm Conditions (narrative)									



## Salt Tracking and Reporting Data: Sheet #3 - Product Use

Organization Name:	Town of Vienna      2/16 - 2/17/2024								
Sub-Organization Name:									
Geographic Area(s) of Operations:	Area 1	Area 2	Area 3	Area 4	Area 5	Other (insert text)			
Winter Season:	0								
<b>Product Use Data</b>									
Treatment Products	Seasonal Total	Units of Measure	Amount used in Storm 1	Amount used in Storm 2	Amount used in Storm 3	Amount used in Storm 4	Amount used in Storm 10	Was this product effective? (narrative as applicable):	Is product planned for continuation? (Yes or No)
Sodium Chloride (NaCl)	0	dry lbs, tons	72						Y, N
Magnesium Chloride (MgCl)	0	dry lbs, tons	/						Y, N
Calcium Chloride (CaCl)	0	dry lbs, tons	/						Y, N
Sodium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N		Y, N
Magnesium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N		Y, N
Calcium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N		Y, N
Abrasives Applied	0	sq. yds, tons	N						Y, N
Other Products Used?	0	Units							Y, N
Name: _____	0	Units							Y, N
Other Products Used?	0	Units							Y, N
Name: _____	0	Units							Y, N
Other Products Used?	0	Units							Y, N
Name: _____	0	Units							Y, N
Notes on Treatment Products Used									

## Salt Tracking and Reporting Data: Sheet #2 - Storms Tracking

Organization Name:	TOWN of Vienna						1/14/24 - 1/16/2024			
Sub-Organization Name:										
Geographic Area(s) of Operations:	Area 1	Area 2	Area 3	Area 4	Area 5	Other (insert text)				
Winter Season:	0	# Storm Operations (Seasonal Total):								
<b>Storm Descriptions</b>										
	Seasonal Total	Anti ICING Storm		Snow Storm		Storm 3		Storm 4		
Beginning Date, Time of Each Storm Operations Deployment		1/14	10AM	1/15	6AM	Date	Time	Date	Time	
End Date, Time of Operations:		1/14	4PM	1/16	8PM	Date	Time	Date	Time	
Beginning Date, Time of Storm Precipitation		N/A	Time	1/15	4AM	Date	Time	Date	Time	
End Date, Time of Precipitation:		N/A	Time	1/16	11AM	Date	Time	Date	Time	
Full or Partial Deployment?		F, P		F		F, P		F, P		
Storm Type (Heavy Snow > 6", Medium 2-6", Light < 2")		H, M, L		H, M, L		H, M, L		H, M, L		
Inches of Snowfall:	0	0		0 3		0		0		
Ice or Freezing Rain?		Y, N		Y, N		Y, N		Y, N		
Road Temperature During Storm (Warm, >32, Mid, 25-32, Cold, <25 degrees F)		W, M, C		W, M, C		W, M, C		W, M, C		
Early Storm Conditions: Starts as Snow, SS; Starts as Rain, SR		SS, SR		SS, SR		SS, SR		SS, SR		
Winds During Storm (Light, < 15 mph, Strong, > 15 mph)		L, S		L, S		L, S		L, S		
Winds After Storm (Light, < 15 mph, Strong, > 15 mph)		L, S		L, S		L, S		L, S		
Forecasted Post Storm Temps (Same, Rising, Falling)		S, R, F		S, R, F		S, R, F		S, R, F		
Sources Used for Storm Information (NWS, Own Observation, other?)		NWS / Local News / Own		SAME						
Other Notes Describing Storm Conditions (narrative)		Before storm work		SAME						



## Salt Tracking and Reporting Data: Sheet #3 - Product Use

Organization Name:	TBU							1/14/24 - 1/16/2024		
Sub-Organization Name:										
Geographic Area(s) of Operations:	Area 1	Area 2	Area 3	Area 4	Area 5	Other (insert text)				
Winter Season:	0									
<b>Product Use Data</b>										
Treatment Products	Seasonal Total	Units of Measure	1/14/24 Amount used in Storm	1/15-1/16 Amount used in Storm	Amount used in Storm	Amount used in Storm	Amount used in Storm	Amount used in Storm	Was this product effective? (narrative as applicable):	Is product planned for continuation? (Yes or No)
Sodium Chloride (NaCl)	0	dry lbs, tons		212						Y, N
Magnesium Chloride (MgCl)	0	dry lbs, tons								Y, N
Calcium Chloride (CaCl)	0	dry lbs, tons								Y, N
Sodium Chloride Brine % Brine Mixture: 23	0	gallons	1800 (Y, N)	(Y, N)	Y, N	Y, N	Y, N			Y, N
Magnesium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N			Y, N
Calcium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N			Y, N
Abrasives Applied	0	sq. yds, tons		NO						Y, N
Other Products Used? Name: _____	0	Units								Y, N
Other Products Used? Name: _____	0	Units								Y, N
Other Products Used? Name: _____	0	Units								Y, N
Notes on Treatment Products Used			Anti icing salt Brine Applied before forecasted 1-3" of snow on 1/15 into 1/16/2024. 212 tons of salt for precip lasting 17+ hrs.							

## Salt Tracking and Reporting Data: Sheet #2 - Storms Tracking

Organization Name:	TOWN of VIENNA					1/19/2024 - 1/20/2024	
Sub-Organization Name:							
Geographic Area(s) of Operations:	Area 1	Area 2	Area 3	Area 4	Area 5	Other (insert text)	
Winter Season:	0	# Storm Operations (Seasonal Total):					

Storm Descriptions									
	Seasonal Total	Storm 1		Storm 2		Storm 3		Storm 4	
Beginning Date, Time of Each Storm Operations Deployment		1/19/24	12 AM	Date	Time	Date	Time	Date	Time
End Date, Time of Operations:		1/20/24	12 PM	Date	Time	Date	Time	Date	Time
Beginning Date, Time of Storm Precipitation		1/19/24	3:30 AM	Date	Time	Date	Time	Date	Time
End Date, Time of Precipitation:		1/19/24	6 PM	Date	Time	Date	Time	Date	Time
Full or Partial Deployment?		F, P		F, P		F, P		F, P	
Storm Type (Heavy Snow > 6", Medium 2-6", Light < 2")		H, M, L		H, M, L		H, M, L		H, M, L	
Inches of Snowfall:	0	0 4.5		0		0		0	
Ice or Freezing Rain?		Y, N		Y, N		Y, N		Y, N	
Road Temperature During Storm (Warm, >32, Mid, 25-32, Cold, <25 degrees F)		W, M, C		W, M, C		W, M, C		W, M, C	
Early Storm Conditions: Starts as Snow, SS; Starts as Rain, SR		SS, SR		SS, SR		SS, SR		SS, SR	
Winds During Storm (Light, < 15 mph, Strong, > 15 mph)		L, S		L, S		L, S		L, S	
Winds After Storm (Light, < 15 mph, Strong, > 15 mph)		L, S		L, S		L, S		L, S	
Forecasted Post Storm Temps (Same, Rising, Falling)		S, R, F		S, R, F		S, R, F		S, R, F	
Sources Used for Storm Information (NWS, Own Observation, other?)		NWS / Local NEWS TOWN							
Other Notes Describing Storm Conditions (narrative)									



## Salt Tracking and Reporting Data: Sheet #3 - Product Use

Organization Name:	TJ0 1/19/2024 - 1/20/2024					
Sub-Organization Name:						
Geographic Area(s) of Operations:	Area 1	Area 2	Area 3	Area 4	Area 5	Other (insert text)
Winter Season:	0					

Product Use Data									
Treatment Products	Seasonal Total	Units of Measure	Amount used in Storm 1	Amount used in Storm 2	Amount used in Storm 3	Amount used in Storm 4	Amount used in Storm 10	Was this product effective? (narrative as applicable):	Is product planned for continuation? (Yes or No)
Sodium Chloride (NaCl)	0	dry lbs, <u>tons</u>	70						Y, N
Magnesium Chloride (MgCl)	0	dry lbs, tons	/						Y, N
Calcium Chloride (CaCl)	0	dry lbs, tons	/						Y, N
Sodium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N		Y, N
Magnesium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N		Y, N
Calcium Chloride Brine % Brine Mixture: _____	0	gallons	Y, N	Y, N	Y, N	Y, N	Y, N		Y, N
Abrasives Applied <u>SAND</u>	0	sq. yds, <u>tons</u>	20						Y, N
Other Products Used? Name: _____	0	Units							Y, N
Other Products Used? Name: _____	0	Units							Y, N
Other Products Used? Name: _____	0	Units							Y, N
Notes on Treatment Products Used									

