NOVA

Northern Virginia Community College

Alexandria, Annandale,
Loudoun & Woodbridge Campuses

Municipal Separate Storm Sewer System Program Plan

For

General Permit No. VAR040095

During

Permit Year 2022 - 2023

From November 1, 2018 until October 31, 2023, in accordance with the VAR04 General Permit Northern Virginia Community College is authorized to discharge stormwater and authorized non-stormwater discharges described in 9VAC25-890-20 D from the small municipal separate storm sewer system into surface waters within the boundaries of the Commonwealth of Virginia consistent with 9VAC25-890-30.

June 30, 2022

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APPENDICES

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ACRONYMS

BMP	Best Management Practice
DCR	Virginia Department of Conservation and Recreation
DEQ	Virginia Department of Environmental Quality
ESC	Erosion and Sediment Control
HUC	Hydrologic Unit Code
MEP	Maximum Extent Practicable
MCM	Minimum Control Measure
MS4	Municipal Separate Storm Sewer System
NMP	Nutrient Management Plan
POC	Pollutants of Concern
SWM	Stormwater Management
SWPPP	Stormwater Pollution Prevention Plan
TMDL	Total Maximum Daily Load
VCCS	Virginia Community College System
VCCS AS&S	Virginia Community College System Annual Standards and Specifications
VPDES	VAR04 General Virginia Pollutant Discharge Elimination System Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems
VCACS	Virginia Department of Agriculture and Consumer Services
VESCP	Virginia Erosion and Sediment Control Program
VSMA	Virginia Stormwater Management Act
VSMP	Virginia Stormwater Management Program
WLA	Waste Load Allocation

DEFINITIONS

"Best management practice" means schedules of activities, prohibitions of practices, including both structural and nonstructural practices, maintenance procedures, and other management practices to prevent or reduce the pollution of surface waters and groundwater systems from the impacts of land-disturbing activities.

"Chesapeake Bay Preservation Act land-disturbing activity" means a land-disturbing activity including clearing, grading, or excavation that results in a land disturbance equal to or greater than 2,500 square feet and less than one acre in all areas of jurisdictions designated as subject to the Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830) adopted pursuant to the Chesapeake Bay Preservation Act.

"Chesapeake Bay Watershed" means all land areas draining to the following Virginia river basins: Potomac River Basin, James River Basin, Rappahannock River Basin, Chesapeake Bay and its small coastal basins, and York River Basin.

"Construction activity" means any clearing, grading or excavation associated with large construction activity or associated with small construction activity.

"Date brought online" means the date when NOVA determines that a new stormwater management facility is properly functioning.

"Discharge," when used without qualification, means the discharge of a pollutant.

"Drainage area" means a land area, water area, or both from which runoff flows to a common point.

"High-priority facilities" means facilities owned or operated by NOVA that actively engage in one or more of the following activities: (i) composting, (ii) equipment storage and maintenance, (iii) materials storage, (iv) pesticide storage, (v) storage for public works, (vi) recycling, (vii) salt storage, (viii) solid waste handling and transfer, and (ix) vehicle storage and maintenance.

"Hydrologic Unit Code" means a watershed unit established in the most recent version of Virginia's 6th Order National Watershed Boundary Dataset.

"Illicit discharge" means any discharge to a municipal separate storm sewer that is not composed entirely of stormwater, except discharges resulting from firefighting activities (Discharges or flows from fire-fighting activities need only be addressed where they are identified as significant sources of pollutants to surface waters.), water line flushing, landscape irrigation, diverted stream flows, rising groundwaters, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, street wash water, noncommercial fundraising car washes if the washing uses only biodegradable, phosphate-free, water-based cleaners; or other activities generating discharges identified by the department as not requiring VPDES authorization.

"Impervious cover" means a surface composed of material that significantly impedes or prevents natural infiltration of water into soil.

"Land disturbance" or "land-disturbing activity" means a manmade change to the land surface that potentially changes its runoff characteristics including clearing, grading, or excavation, except that the term shall not include the following potential activities:

- Land-disturbing activities that disturb less than 2,500 square feet in all areas of the jurisdictions designated as subject to the Chesapeake Bay Preservation Act or activities that are part of a larger common plan of development or sale that is one acre or greater of disturbance;
- Routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original construction of the project. The paving of an existing road with a compacted or impervious surface and reestablishment of existing associated ditches and shoulders shall be deemed routine maintenance;
- Land-disturbing activities in response to a public emergency where the related work requires immediate authorization to avoid imminent endangerment to human health or the environment. In such situations, DEQ shall be advised of the disturbance within seven days of commencing the land-disturbing activity, and compliance with the administrative requirements within 30 days of commencing the land-disturbing activity.

"Municipal separate storm sewer system" means a conveyance or system of conveyances including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains.

“MS4 Program Plan” means the completed registration statement and all approved additions, changes and modifications detailing the comprehensive program implemented by the operator under this state permit to reduce the pollutants in the stormwater discharged from its municipal separate storm sewer system (MS4) that has been submitted and accepted by DEQ.

"MS4 regulated service area" or "service area" means for Phase II permittees, the drainage area served by NOVA's MS4 that is located within an urbanized area as determined by the 2010 decennial census performed by the Bureau of the Census. MS4 regulated service area may also be referred to as "served by the MS4" as it pertains to the tables in Part II A of this permit.

"Outfall" means, when used in reference to municipal separate storm sewers, a point source at the point where a MS4 discharges to surface waters and does not include open conveyances connecting two municipal separate storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other surface waters and are used to convey surface waters.

"Physically interconnected" means that one MS4 is connected to a second MS4 in such a manner that it allows for direct discharges to the second system.

"Pollutants of concern" means pollutants specifically identified in a U.S. Environmental Protection Agency approved total maximum daily load report as causing a water quality impairment.

“Public” means, for the purpose of this Program Plan, the students, faculty, and staff population attending or employed by Northern Virginia Community College.

"Point of discharge" means a location at which concentrated stormwater runoff is released.

"State waters" means all water, on the surface and under the ground, wholly or partially within or bordering the Commonwealth or within its jurisdiction, including wetlands.

"Stormwater" means precipitation that is discharged across the land surface or through conveyances to one or more waterways and that may include stormwater runoff, snow melt runoff, and surface runoff and drainage.

"Stormwater management plan" means a document(s) containing material for describing methods for complying with the requirements of the Virginia Stormwater Management Program.

"Total maximum daily load" means the sum of the individual wasteload allocations for point sources, load allocations for nonpoint sources, natural background loading and a margin of safety. TMDLs can be expressed in terms of either mass per time, toxicity, or other appropriate measure. The TMDL process provides for point versus nonpoint source trade-offs.

"Wasteload allocation" or "wasteload" means the portion of receiving surface water's loading or assimilative capacity allocated to one of its existing or future point sources of pollution. WLAs are a type of water quality-based effluent limitation.

"Watershed" means a defined land area drained by a river or stream, karst system, or system of connecting rivers or streams such that all surface water within the area flows through a single outlet.

1.0 MS4 PROGRAM PLAN

The Program Plan when implemented constitutes compliance with the standard of reducing pollutants to the maximum extent practicable (MEP) of the VAR04 General Virginia Pollutant Discharge Elimination System (VPDES) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4s), referred to in the remainder of this Plan as the General Permit.

1.1 Minimum Control Measures

The General Permit requires the Program Plan to include Best Management Practices (BMP) to address the requirements of six minimum control measures (MCMs) described in Part I E of the General Permit. The MCMs are summarized as:

- MCM 1: Public Education and Outreach on Stormwater Impacts
- MCM 2: Public Involvement and Participation
- MCM 3: Illicit Discharge Detection and Elimination
- MCM 4: Construction Site Stormwater Runoff Control
- MCM 5: Post-construction Stormwater Management
- MCM 6: Pollution Prevention/Good Housekeeping for Operations

Section 3.1 of this Program Plan includes BMPs developed to explicitly address the General Permit requirements for each MCM. The title of each BMP is followed with a reference to the corresponding permit section. Each BMP included in the Program Plan is intended to specifically address permit requirements and includes the following information described in Part I C of the General Permit:

- The roles and responsibilities of each of NOVA's divisions and departments in the implementation of the requirements of the permit tasked with ensuring that the permit requirements are met;
- If NOVA utilizes another entity to implement portions of the MS4 Program, a copy of the written agreement. The description of each party's roles and responsibilities, including any written agreements with third parties, shall be updated as necessary;
- For each MCM in Part I E, the following information shall be included:
    - Each specific requirement as listed in Part I E for each MCM;
    - A description of the BMPs or strategies that NOVA anticipates will be implemented to demonstrate compliance with the permit conditions in Part I E;
    - All standard operating procedures or policies necessary to implement the BMPs;
    - The measurable goal by which each BMP or strategy will be evaluated; and
    - The persons, positions, or departments responsible for implementing each BMP or strategy; and
- A list of documents incorporated by reference including the version and date of the document being incorporated.

1.2 Special Conditions for TMDLs

NOVA is subject to the Special Conditions for the Chesapeake Bay TMDL that requires the development and submission to DEQ, for its review and acceptance, an approvable second phase TMDL Action Plan by November 1, 2019. A BMP is provided in Section 3.2 for development of the Action Plan, and a second BMP is developed for implementation of the Action Plan. BMPs are also provided to ensure NOVA annually determines if a wasteload allocation (WLA) has been assigned during the reporting year and to provide public opportunity for participation in development of new TMDLs.

NOVA is subject to the Special Conditions of the Neabsco Creek Bacteria TMDL that require an update to the previously approved local TMDL Action Plan by May 1, 2020.

NOVA is subject to the Special Conditions of the Accotink Creek Sediment TMDL and Upper Accotink Creek Chloride TMDL that requires development of an Action Plan by May 1, 2021 and initiate implementation of the action plan to meet the conditions applicable for which wasteloads have been allocated to NOVA. NOVA submited to DEQ by November 1, 2022 an anticipated end date by which NOVA will meet the WLA for sediment.

1.3 Roles and Responsibilities (Part I C 1 a & b)

Each BMP lists the individual(s) responsible for implementation. At NOVA, the Environmental Services Manager implements the MS4 Program Plan and reports to the Chief Facilities Officer who is the signatory authority in accordance with Part III K. The Chief Facilities Officer reports to the Vice President for Finance and Administrative Services. The Vice President reports to the President of the College who reports to the Chancellor of the Virginia Community College System. NOVA utilizes the Virginia Community College System (VCCS) to implement portions of the MS4 Program Plan, specifically MCM 4 concerning land disturbing activities. In accordance with Part I C 1 b., a written letter is provided in Appendix D. VCCS is NOVA's ESC and VSMP plan approving authority. VCCS implements Annual Standards and Specifications approved by DEQ and incorporated by reference.

1.4 Program Modifications (Part I C 4)

Revisions to the MS4 Program plan are expected throughout the life of the General Permit as part of the iterative process to reduce pollutant loading and protect water quality to the MEP. As such, revisions made in accordance with the General Permit because of the iterative process do not require modification of this permit. NOVA shall summarize revisions to the MS4 Program plan as part of the annual report as described in Part I D 2 of the General Permit.

1.5 List of Reference Materials (Part I C 1 d)

The list of documentation below is incorporated into the Program Plan via reference along with any associated maps and forms, where applicable. All necessary documents for implementation not listed here, not provided in the MS4 Program Plan, and may or may not be provided in the annual reports are retained on file for a minimum of 3 years and are available upon request.

- *Illicit Discharge Detection and Elimination Manual*, June 2022
- *Good Housekeeping and Pollution Prevention Manual*, June 2019
- *Post-Construction Stormwater Management Inspection & Maintenance Manual,* June 2019
- *Chesapeake Bay TMDL Action Plan (2018 - 2023 General Permit)*, June 30, 2022
- *Neabsco Creek Bacteria TMDL Action Plan (2018 – 2023 MS4 General Permit),* April 2020
- *Nutrient Management Plan,* July 15, 2021
- *VCCS Annual Standards and Specifications,* March, 2021
- *Accotink Creek Sediment TMDL Action Plan (2018 – 2023 MS4 General Permit),* June 2022
- *Accotink Creek ChlorideTMDL Action Plan (2018 – 2023 MS4 General Permit),* April 2021

1.6 Annual Reporting (Part I D)

This Program Plan includes requirements to satisfy annual reporting of the General Permit:

- NOVA shall submit an annual report to the department no later than October 1 of each year in a format as specified by the department. The report shall cover the previous year from July 1 to June 30.
- The annual report shall include the following general information:
    - NOVA, system name, and permit number;
    - The reporting period for which the annual report is being submitted;
    - A signed certification as per Part III K;
    - Each annual reporting item as specified in an MCM in Part I E; and
    - 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.
- NOVA shall include a status report on the implementation of the Chesapeake Bay TMDL action plan in accordance with Part II A of this permit including any revisions to the plan.
- When applicable, NOVA 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.
- For the purposes of the General Permit, the MS4 Program plan and annual report shall be maintained separately and submitted to the department as required by this permit as two separate documents.

2.0 SCHEDULE

Some of the BMPs require Program documents or actions to address permit requirements. Table 1 lists some of these documents and actions with dates critical for assuring compliance with the General Permit. Table 1 is intended to assist with Program Plan implementation.

Table 1: Summary of Critical Items and Deadlines for Program Implementation.

BMP/Regulation	Necessary Action	Due date*
9VAC-23-890-30	Submit Registration Statement, Draft Chesapeake Bay TMDL Action Plan/Public Comment Period	June 1, 2018/15 days
9VAC-23-890-40D	Submit Annual Report	**Annually (October 1)**
2.1	Develop and maintain a stormwater webpage	January 1, 2019
2.1	Post updated version of MS4 Program Plan on Permittee's Website	May 1, 2019
2.1	Post Annual Report on Website	**Annually (Within 30 days)**
2.2	Implement Public Participation Activities	**4x annually**
3.1, 3.5	Update MS4 Map and Information Table	**Annually (June 30)**
3.1	Submit GIS Shapefile of MS4 Map	July 1, 2019
5.2	Update Post Construction electronic database	**30 days after new facility online**
6.1	Review High Priority Facilities	**Annually (June 30)**
3.4, 6.1, 6.3	Conduct GHPP/IDDE Training	**Once every 24 months**
CB-SC.1	Submit Final Chesapeake Bay TMDL Action Plan	November 1, 2019
Part III B 1 a	Update Neabsco Creek Bacteria TMDL Action Plan/Public Comment Period	May 1, 2020/15 days
Part III B 1 b	Develop Accotink Creek Sediment and Upper Accotink Creek Chloride TMDL Action Plan/Public Comment Period	May 1, 2021/15 days

*Not bolded text indicates schedule item is complete or not applicable. **Bolded** text indicates the schedule item is not complete or is completed continuously throughout the permit cycle.

3.0 PROGRAM PLAN BEST MANAGEMENT PRACTICES

This Section includes the BMPs that NOVA will implement to meet the requirements for each MCM and the applicable Special Conditions described in the General Permit.

BMP 1.1 Public Education and Outreach Program (Part I E 1)

Description: NOVA shall implement a public education and outreach program designed to:

- Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns;
- Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications; and
- Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.

NOVA shall identify no less than three high-priority stormwater issues to meet the goal of educating the public in accordance with Part I E 1 a. High-priority issues may include the following examples: Chesapeake Bay nutrients, pet wastes, local receiving water impairments, TMDLs, high-quality receiving waters, and illicit discharges from commercial sites. The high-priority public education and outreach program, as a whole, shall:

- Clearly identify the high-priority stormwater issues;
- Explain the importance of the high-priority stormwater issues;
- Include measures or actions the public can take to minimize the impact of the high-priority stormwater issues; and
- Provide a contact and telephone number, website, or location where the public can find out more information.

NOVA shall use two or more of the strategies listed in Table 2 below per year to communicate to the public the high-priority stormwater issues identified in accordance with Part I E 1 b including how to reduce stormwater pollution.

Table 2: Strategies for Public Education and Outreach	
Strategies	**Examples** (not meant to be all inclusive or limiting)
Traditional written materials	Informational brochures, newsletters, fact sheets, utility bill inserts, or recreational guides for targeted groups of citizens
Alternative materials	Bumper stickers, refrigerator magnets, t-shirts, or drink koozies
Signage	Temporary or permanent signage in public places or facilities, vehicle signage, billboards, or storm drain stenciling
Media materials	Information disseminated through electronic media, radio, televisions, movie theater, or newspaper
Speaking engagements	Presentations to school, church, industry, trade, special interest, or community groups
Curriculum materials	Materials developed for school-aged children, students at local colleges or universities, or extension classes offered to local citizens
Training materials	Materials developed to disseminate during workshops offered to local citizens, trade organization, or industrial officials

A summary of the NOVA's anticipated Public Education and Outreach Activities for the permit year are below in Table 3.

Table 3: Anticipated Public Education & Outreach Activities for 2022 – 2023 Permit Year			
#	**Water quality Issue**	**Strategy**	**Communication**
1	Public education on stormwater runoff	Speaking Engagement	Class Presentation
2	TMDLs and Local Impaired Waters	Traditional written materials	The Daily Flyer Newsletter Article sent via email
3	Good Housekeeping and Pollution Prevention	Signage	Storm drain marking Loudoun Campus

Water Quality Issue No. 1: Public education on stormwater runoff

Rationale: This issue was selected based on the results of the public survey that indicate a strong need for increased knowledge on the steps to reduce stormwater pollution.

Public Audience: NOVA's public audience is approximately 73,000 students and 4,200 faculty and staff. A portion of those students, faculty and staff visit campuses regularly.

Strategy to Communicate High Priority Stormwater Message: A classroom presentation to an environmental focused course.

Relevant Message: To address goals of the Program and concerns stemming from the survey results, the relevant message will include:

- Information regarding NOVA's stormwater program
- Steps that can be taken to reduce stormwater pollution
- Knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications
- Information for reporting a potential illicit discharge

Time Period: The classroom presentation will be conducted once during the permit year.

Measurable Goal: The classroom presentation to an environmentally focused class i.e. approximately 30-40 students and 1 faculty person during the permit year.

Water Quality Issue No. 2: TMDLs and Local Impaired Waters

Rationale: Survey results indicate that 73% percent of the public audience does not know that storm inlets on the campus drain straight to local waterways. The fact that stormwater flows from properties into a storm drain and via the storm sewer system to an outfall into a waterway is fundamental knowledge needed to understand how local waterways can become impaired and require a TMDL.

Public Audience: NOVA's public audience is approximately 73,000 students and 4,200 faculty and staff.

Strategy to Communicate High Priority Stormwater Message: NOVA's faculty and staff receive a daily newsletter via email with informative articles.

Relevant Message: An article will be written and included in the publication featuring NOVA's MS4 Program and in particular highlighting NOVA's new Accotink Creek chloride and sediment TMDL Action Plans. The article will point its readers to NOVA's stormwater website where the Action Plans are located as well as other MS4 Program documents and public outreach efforts.

Time Period: An article will be included in a newsletter within the permit year.

Measurable Goal: The dissemination of the newsletter containing the article once via email to the public audience i.e. approximately 73,000 students and 4,200 faculty and staff during the permit year.

Water Quality Issue No. 3: Good Housekeeping and Pollution Prevention

Rationale: Survey results indicate that 73% percent of the public audience does not know that storm inlets on the campus drain straight to local waterways. The fact that stormwater flows from properties into a storm drain and via the storm sewer system to an outfall into a waterway is fundamental knowledge needed to understand how local waterways can become impaired and require a TMDL.

Public Audience: NOVA's public audience is approximately 73,000 students and 4,200 faculty and staff. A portion of those students, faculty and staff visit the Loudoun Campus.

Strategy to Communicate High Priority Stormwater Message: The message will be conveyed by storm drain marker installation on the Loudoun Campus.

Relevant Message: No dumping. Drains to the Potomac River.

Time Period: The storm drain marker installation will be completed within the permit year.

Measurable Goal: Approximately 100 storm drain markers will be installed and visible to NOVA's public that visits the Loudoun Campus, i.e., approximately 12,000 people within the permit year.

Necessary documentation for implementation: (1) Survey results; (2) Email of distributed brochure and the brochure; (3) Email of distributed newsletter and newsletter containing the article; and (4) Photos of storm drain markers and record of how many were installed.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: Outreach will be conducted as described above for each water quality issue identified.

Measurable goal: Effectiveness of the BMP will be determined by the completion and necessary documentation of the selected strategies to convey the three water quality issues.

BMP 2.1 Webpage Dedicated to MS4 Program & Stormwater Pollution Prevention (Part 1 E 2 a/b)

Description: NOVA shall develop and implement procedures for the following:

- The public to report potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns;
- The public to provide input on NOVA's MS4 Program plan;
- Receiving public input or complaints;
- Responding to public input received on the MS4 Program plan or complaints; and
- Maintaining documentation of public input received on the MS4 Program and associated MS4 Program plan and NOVA's response.

When public input or complaints are received concerning the MS4 Program plan via either email or telephone, to either an individual campus Facility or directly with the Environmental Services Manager (ESM), the ESM will respond to the input or complaint from the public within a reasonable amount of time. The public input or complaint and the ESM's response will be maintained electronically along with other MS4 related documentation to be reported in the annual report.

No later than February 1, 2019, NOVA shall develop and maintain a webpage dedicated to the MS4 Program and stormwater pollution prevention. The following will be maintained on the NOVA's Stormwater webpage:

- The effective MS4 permit and coverage letter;
- The most current MS4 Program plan or location where the MS4 Program plan can be obtained;
- The annual report for each year of the term covered by this permit no later than 30 days after submittal to the department;
- A mechanism for the public to report potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns in accordance with Part I E 2 a (1);
- Methods for how the public can provide input on NOVA's MS4 Program plan in accordance with Part I E 2 a (2); and
- A copy of the latest VCCS Annual Standards and Specifications.

Webpage address: https://www.nvcc.edu/stormwater/

Necessary documentation for implementation: (1) Public input received on the MS4 Program and associated NOVA responses; (2) Effective MS4 Permit and coverage letter; (3) Latest MS4 Program Plan; (4) All MS4 Annual Reports within permit cycle; and (5) Latest VCCS Annual Standards and Specifications.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: NOVA shall continue to provide mechanisms on the webpage for public input and reporting illicit discharges or complaints. The current Program Plan will be posted on the webpage. Annual reports will be posted on the webpage within 30 days of submittal to DEQ, or by November 1st of each year.

Measurable goal: Effectiveness will be determined by the webpage including: (1) effective MS4 permit and coverage letter;(2) latest MS4 Program Plan; (3) all annual reports developed within the permit cycle no later than 30 days after submittal to the department; (4) a mechanism for the public to report potential illicit discharges, improper disposal, or spills, complaints regarding land disturbing activities, or other potential pollution concerns; (5) methods for public input on the NOVA's MS4 Program Plan and other documents that require a public comment period; (6) responding to public input; (7) maintaining public input received and NOVA responses; and (8) Latest VCCS Annual Standards and Specifications.

BMP 2.2 Public Involvement and Participation (Part 1 E 2 c)

Description: NOVA will implement no less than four activities per year for two or more of the categories listed in Table 3 below to provide an opportunity for public involvement to improve water quality and support local restoration and clean-up projects. NOVA may coordinate the public involvement opportunities listed in Table 4 with other MS4 permittees; however, each permittee shall be individually responsible for meeting all of the permit requirements.

Table 4 below provides the anticipated activities for the permit reporting year including:

- A description of the public involvement activities to be implemented by NOVA,
- The anticipated time period the activities will occur, and
- A metric for each activity to determine if the activity is beneficial to water quality. An example of metrics may include the weight of trash collected from a stream cleanup, the number of participants in a hazardous waste collection event, etc.

Table 4: Public Involvement Opportunities

Public Involvement Opportunity Categories	**Examples** (provided as example & are not meant to be all inclusive or limiting)
Monitoring	Establish or support citizen monitoring group
Restoration	Stream or watershed clean-up day, adopt-a-water way program,
Educational events	Booth at community fair, demonstration of stormwater control projects, presentation of stormwater materials to schools to meet applicable education Standards of Learning or curriculum requirements, watershed walks, participation on environmental advisory committees
Disposal or collection events	Household hazardous chemicals collection, vehicle fluids collection
Pollution prevention	Adopt-a-storm drain program, implement a storm drain marking program, promote use of residential stormwater BMPs, implement pet waste stations in public areas, adopt-a-street program.

Table 5: Anticipated Public Involvement Activities for 2022 – 2023 Permit Reporting Year

Category	**Activity Description**	**Time Period Activity to Occur**	**Metric to Determine Benefit**
Educational	Booth at Green Festival	Spring 2023	Number of people reached
Educational	Booth at Earth Day Event	Spring 2023	Number of people reached
Restoration	Stream Clean-Up Event	Fall 2022	Number of people reached
Pollution Prevention	Storm Drain Marking by students	Fall 2022	Number of storm drains marked

Necessary documentation for implementation: (1) A description of public involvement activities to be implemented; (2) Anticipated time period the activities will occur; and (3) Metric for each activity to determine if the activity is beneficial to water quality.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: Public participation will be conducted a minimum of four times a year at the anticipated times indicated in Table 5.

Measurable goal: Effectiveness will be determined by the selected metric for each activity.

BMP 3.1 Storm Sewer Map and Outfall Information Table (Part 1 E 3 a)

Description: NOVA shall develop and maintain an accurate MS4 map and information table as follows:

- A map of the storm sewer system owned or operated by NOVA within the census urbanized area identified by the 2010 decennial census that includes, at a minimum:
    - MS4 outfalls discharging to surface waters, except as follows:
        - In cases where the outfall is located outside of the MS4 permittee's legal responsibility, NOVA may elect to map the known point of discharge location closest to the actual outfall; and
        - In cases where the MS4 outfall discharges to receiving water channelized underground, NOVA may elect to map the point downstream at which the receiving water emerges above ground as an outfall discharge location. If there are multiple outfalls discharging to an underground channelized receiving water, the map shall identify that an outfall discharge location represents more than one outfall. This is an option a permittee may choose to use and recognizes the difficulties in accessing outfalls to underground channelized stream conveyances for purposes of mapping, screening, or monitoring.
    - A unique identifier for each mapped item required in Part I E 3;
    - The name and location of receiving waters to which the MS4 outfall or point of discharge discharges;
    - MS4 regulated service area; and
    - Stormwater management facilities owned or operated by NOVA.
- NOVA shall maintain an information table associated with the storm sewer system map that includes the following information for each outfall or point of discharge for those cases in which NOVA elects to map the known point of discharge in accordance with Part I E 3 a (1) (a):
    - A unique identifier as specified on the storm sewer system map;
    - The latitude and longitude of the outfall or point of discharge;
    - The estimated regulated acreage draining to the outfall or point of discharge;
    - The name of the receiving water;
    - The 6th Order Hydrologic Unit Code of the receiving water;
    - An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report;
    - The predominant land use for each outfall discharging to an impaired water; and
    - The name of any EPA approved TMDLs for which NOVA is assigned a wasteload allocation.
- No later than July 1, 2019, NOVA shall submit to DEQ a GIS-compatible shapefile of NOVA's MS4 map as described in Part I E 3 a. If NOVA does not have an MS4 map in a GIS format, NOVA shall provide the map as a PDF document.
- No later than October 1 of each year, NOVA shall update the storm sewer system map and outfall information table to include any new outfalls constructed or TMDLs approved or both during the immediate preceding reporting period.
- NOVA shall provide written notification to any downstream adjacent MS4 of any known physical interconnection established or discovered after the effective date of this permit.

Table 6: List of Interconnected MS4 Regulated Area(s)	
Fairfax County	City of Alexandria
Loudoun County	Prince William County
Virginia Department of Transportation	

Necessary documentation for implementation: (1) Storm sewer system map; (2) Outfall Information Table in Appendix B; and (3) GIS compatible shapefile of MS4 map; and (4) If applicable, written notification of physical interconnections to the downstream MS4 in Appendix C;

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The map and information table will be updated annually at the end of each reporting year. Any new MS4 interconnections will be notified upon discovery.

Measurable goals: Effectiveness will be determined by maintaining an up-to-date map of the storm sewer map and outfall information table and by submitting the GIS-compatible shapefile of the storm sewer map; and notifying any discovered interconnected MS4s.

BMP 3.2 Prohibit Non-Stormwater Discharges (Part 1 E 3 b)

Description: NOVA shall prohibit, through ordinance, policy, standard operating procedures, or other legal mechanism, to the extent allowable under federal, state, or local law, regulations, or ordinances, unauthorized non-stormwater discharges into the storm sewer system. Non-stormwater discharges or flows identified in 9VAC25-890-20 D 3 shall only be addressed if they are identified by NOVA as a significant contributor of pollutants discharging to the MS4. Flows that have been identified by the department as de minimis discharges are not significant sources of pollutants to surface water.

NOVA will prohibit non-stormwater discharges into the storm sewer system through language provided within the Standards of Conduct for Employees and the Student Handbook for Students, each of which provide methods and procedures for reporting and corrective and disciplinary action.

For effective prohibition of non-stormwater discharges from contractors operating on campus, refer to BMP 6.4.

Necessary documentation for implementation: (1) Standards of Conduct for Employees; and (2) Student Handbook.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: Implementation of the Standards of Conduct for employees and the Student Handbook for students will continue.

Measurable goal: Effectiveness will be determined based upon all students, faculty and staff having access to the Standards of Conduct for employees and the Student Handbook for Students.

BMP 3.3 Implement Illicit Discharge Detection and Elimination Procedures (Part 1 E 3 c**)**

Description: NOVA shall maintain, implement, and enforce illicit discharge detection and elimination (IDDE) written procedures designed to detect, identify, and address unauthorized non-stormwater discharges, including illegal dumping, to the small MS4 to effectively eliminate the unauthorized discharge. Written procedures shall include:

- A description of the legal authorities, policies, standard operating procedures or other legal mechanisms available to NOVA to eliminate identified sources of ongoing illicit discharges including procedures for using legal enforcement authorities.
- Dry weather field screening protocols to detect, identify, and eliminate illicit discharges to the MS4. The protocol shall include:
    - A prioritized schedule of field screening activities and rationale for prioritization determined by NOVA based on such criteria as age of the infrastructure, land use, historical illegal discharges, dumping or cross connections;
    - If the total number of MS4 outfalls is equal to or less than 50, a schedule to screen all outfalls annually;
    - If the total number of MS4 outfalls is greater than 50, a schedule to screen a minimum of 50 outfalls annually such that no more than 50% are screened in the previous 12-month period. The 50% criteria is not applicable if all outfalls have been screened in the previous three years; and
    - A mechanism to track the following information:
        - The unique outfall identifier;
        - Time since the last precipitation event;
        - The estimated quantity of the last precipitation event;
        - Site descriptions (e.g., conveyance type and dominant watershed land uses);
        - Whether or not a discharge was observed; and
        - If a discharge was observed, the estimated discharge rate (e.g., width and depth of discharge flow rate) and visual characteristics of the discharge (e.g., odor, color, clarity, floatables, deposits or stains, vegetation condition, structural condition, and biology).
- A timeframe upon which to conduct an investigation to identify and locate the source of any observed unauthorized non-stormwater discharge. Priority of investigations shall be given to discharges of sanitary sewage and those believed to be a risk to human health and public safety. Discharges authorized under a separate VPDES or state permit require no further action under this permit.
- Methodologies to determine the source of all illicit discharges. If NOVA is unable to identify the source of an illicit discharge within six months of beginning the investigation then NOVA shall document that the source remains unidentified. If the observed discharge is intermittent, NOVA shall document that attempts to observe the discharge flowing were unsuccessful.
- Methodologies for conducting a follow-up investigation for illicit discharges that are continuous or that permittees expect to occur more frequently than a one-time discharge to verify that the discharge has been eliminated except as provided for in Part I E 3 c (4);

- A mechanism to track all illicit discharge investigations to document the following:
    - The dates that the illicit discharge was initially observed, reported, or both;
    - The results of the investigation, including the source, if identified;
    - Any follow-up to the investigation;
    - Resolution of the investigation; and
    - The date that the investigation was closed.

The IDDE procedures described in Part I E 3 c., the storm sewer map and outfall information table are incorporated into the MS4 Program plan by reference. The map shall be made available to the department within 14 days upon request.

Necessary documentation for implementation: (1) Illicit Discharge Detection and Elimination (IDDE) Manual; (2) Outfall information table; (3) Storm sewer map; (4) Outfall screening field forms; and (5) Findings and Follow Up Form.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: Annual outfall screening, as described in NOVA's IDDE Program Manual that includes the schedules, mechanisms, and procedures described in this BMP and the General Permit.

Measurable goals: Effectiveness will be determined by maintaining, implementing, and enforcing illicit discharge detection and elimination (IDDE) written procedures.

BMP 4.1 ESC Compliance for Land Disturbing Activities (Part 1 E 4)

Description: NOVA shall utilize its legal authority, such as ordinances, permits, orders, specific contract language, and interjurisdictional agreements, to address discharges entering the MS4 from regulated construction site stormwater runoff. NOVA shall control construction site stormwater runoff as follows:

- VCCS has developed standards and specifications in accordance with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840), NOVA shall implement the most recent department approved standards and specifications
    - The most recently approved standards and specifications or if incorporated by reference, the location where the standards and specifications can be viewed; and
    - A copy of the most recent standards and specifications approval letter from the department.

NOVA shall require implementation of appropriate controls to prevent non-stormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils, and other illicit discharges identified during land disturbing activity inspections of the MS4. The discharge of non-stormwater discharges other than those identified in 9VAC25-890-20 D through the MS4 is not authorized by this state permit.

Regulated land disturbing activity on the NOVA campus is managed by the latest edition of DEQ approved Virginia Community College System's (VCCS) "Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management." Regulated land disturbing activities are those that disturb greater than 2,500 square feet except for the exceptions listed in the definition for "land disturbing activity" provided in the Definitions section of this document. The VCCS Annual Standards and Specifications provide for the following:

- Erosion and Sediment (ESC) plan approval by VCCS through recommendation of a VCCS contracted consultant. An approved plan is required prior to commencement of a regulated land disturbing activity and shall be compliant with the minimum standards listed in 9VAC25-840-40 of the Erosion and Sediment Control Regulations and the approved Annual Standards and Specifications.
- ESC inspection of land disturbing activities for compliance to the ESC Plan during or immediately following initial installation of ESC measures, at least once every two weeks, within 48 hours of a runoff-producing event; and at project completion. Inspections shall be conducted by an individual with a current ESC Inspector's Certification from DEQ.
- Documentation for plan review and inspection procedures, by reference to laws, regulations, and the Virginia Erosion and Sediment Control Handbook (VESCH).
- A description of circumstances that allow the VCCS Annual Standards and Specifications Project Manager to make changes to an approved plan when found inadequate to address ESC.
- A description of the legal authorities utilized to ensure compliance with Part I E 4 a to control construction site stormwater runoff control such as ordinances, permits, orders, specific contract language, policies, and interjurisdictional agreements;
- Written inspection procedures to ensure the erosion and sediment controls are properly implemented and all associated documents utilized during inspection including the inspection schedule;
- Written procedures for requiring compliance through corrective action or enforcement action to the extent allowable under federal, state, or local law, regulation, ordinance, or other legal mechanisms; and
- The roles and responsibilities of each of NOVA's departments, divisions, or subdivisions in implementing the construction site stormwater runoff control requirements in Part I E 4.

Where applicable, the VCCS Annual Standards and Specifications requires implementation of appropriate controls to prevent non-stormwater discharges to NOVA, such as wastewater, concrete washout, fuels and oils and other illicit discharges identified during land disturbing activity inspections at NOVA.

A copy of the latest VCCS Annual Standards and Specifications can be found on the NOVA dedicated stormwater website (See BMP 2.1).

Necessary documentation for implementation: (1) VCCS AS&S for Erosion and Sediment Control; (2) VCCS AS&S approval letter in Appendix D; (3) ESC Plan(s) approved by VCCS; (4) Documentation of ESC Inspector Certification; (5) Completed ESC Inspection Forms for each regulated project; and (6) Notice to Comply and/or Stop Work Orders documentation and documentation of follow-up actions.

Roles and responsible individual for implementation: VCCS Program Manager: ESC Program Administrator, ESC signatory authority, and ESC plan review approval; VCCS Project Managers: ESC plan review and inspection coordinator; and NOVA Environmental Services Manager: Coordination with VCCS.

Implementation schedule: The implementation of this BMP will be ongoing with all regulated land disturbing activities on campus.

Measurable goals: Effectiveness will be determined by the implementation of the most current VCCS Annual Standards and Specifications.

BMP 5.1 Compliance to Post-Construction Stormwater Management Regulation (Part 1 E 5)

Description: NOVA shall address post-construction stormwater runoff that enters the MS4 from the following land disturbing activities by implementing a post-construction stormwater runoff management program as follows:

- NOVA shall implement the most recent department approved standards and specifications and develop an inspection and maintenance program in accordance with Part I E 5 b.

NOVA shall implement an inspection and maintenance program for those stormwater management facilities owned or operated by NOVA that discharges to the MS4 as follows:

- NOVA shall develop and maintain written inspection and maintenance procedures in order to ensure adequate long-term operation and maintenance of its stormwater management facilities;
- NOVA shall inspect stormwater management facilities owned or operated by NOVA no less than once per year. NOVA may choose to implement an alternative schedule to inspect these stormwater management facilities based on facility type and expected maintenance needs provided that the alternative schedule and rationale is included in the MS4 Program plan. The alternative inspection frequency shall be no less than once per five years; and
- If during the inspection of the stormwater management facility conducted in accordance with Part I E 5 b (2), it is determined that maintenance is required, NOVA shall conduct the maintenance in accordance with the written procedures developed under Part I E 5 b (1).

NOVA shall include in the MS4 Program Plan the following:

- The most recently approved standards and specifications or if incorporated by reference, the location where the standards and specifications can be viewed; and
- A copy of the most recent standards and specifications approval letter from DEQ.
- A description of the legal authorities utilized to ensure compliance with Part I E 5 a for post-construction stormwater runoff control such as ordinances (provide citation as appropriate), permits, orders, specific contract language, and interjurisdictional agreements;
- Written inspection procedures and all associated documents utilized during inspection of stormwater management facilities owned or operated by NOVA;
- The roles and responsibilities of each of NOVA's departments, divisions, or subdivisions in implementing the post-construction stormwater runoff control program; and
- The stormwater management facility spreadsheet or database incorporated by reference and the location or webpage address where the spreadsheet or database can be reviewed.

NOVA will ensure post-construction stormwater management (SWM) for all regulated land disturbing activities over 2,500 square feet through VCCS plan approval in accordance with the VCCS Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management (VCCS AS&S). Approval from VCCS will ensure the SWM plan has been prepared per the VSMP Regulations that, in part, require that stormwater runoff controls:

- are designed and installed in accordance with the appropriate water quality and water quantity design criteria as required in Part II (9VAC25-870-40 et seq.) of 9VAC25-870; and
- have an inspection and maintenance plan.

Implementation of this BMP will be accomplished through the verification of a VCCS approved stormwater management plan by a VCCS designated ESC and SWM signature authority prior to providing written approval that allows the start of the land disturbance.

NOVA will extract and retain a copy of SWM facility inspection and maintenance plans from the approved stormwater management plan for proposed stormwater management facilities to be used with the implementation of BMP 5.3.

NOVA will perform long-term operations and maintenance of all stormwater facilities on campus utilizing the inspection and maintenance plans obtained from implementation of BMP 5.1. Where inspection and maintenance plans are not available from approved SWM plans, NOVA will utilize BMP-specific inspection and maintenance instruction from the Virginia Stormwater Management Handbook or the NOVA Post-Construction Stormwater Manual. Inspections will be performed either:

- As dictated on the schedule provided on the inspection and maintenance plans; or
- A minimum of once annually, whichever are the more frequent criteria.

Inspections will be performed using the best management practice (BMP) inspection and maintenance checklist, corresponding with the type of BMP, as provided in either the NOVA Post-Construction Stormwater Manual or the latest edition of the Virginia Stormwater Management Handbook. The checklists provide lists of potential issues and methods to address the issue. Necessary maintenance identified during inspections will be conducted in a timely manner or depending on the complexity of the maintenance which may result in an alternative schedule indicated on the SWM Facility Tracking Database.

Necessary documentation for implementation: (1) Most recent VCCS AS&S; (2) VCCS AS&S Approval Letter; (3) Post-Construction Stormwater Management Inspection & Maintenance Manual; (4) VCCS approved SWM Plans and Calculations; (5) SWM Facility Inspection and Maintenance Plans; (6) Inspection Forms; and (7) SWM Facility Tracking Database in Appendix E.

Responsible individual for implementation: VCCS AS&S Project Manager: verification of approved plan prior to approval to start land disturbance; NOVA Environmental Services Manager: tracking required information for reporting and obtaining inspection and maintenance plans for stormwater facilities.

Implementation schedule: The implementation of this BMP will be ongoing with all regulated land disturbing activities.

Measurable goal: Effectiveness will be measured by the implementation of the inspection and maintenance program on post-construction stormwater management facilities.

BMP 5.2 Stormwater Management Facility Tracking and Reporting (Part I E 5 d)

Description: NOVA shall maintain an electronic database or spreadsheet of all known NOVA-owned stormwater management facilities that discharge into the MS4. The database shall also include all BMPs implemented by NOVA to meet the Chesapeake Bay TMDL load reduction as required in Part II A. A database shall include the following information as applicable:

- The stormwater management facility or BMP type;
- The stormwater management facility or BMPs location as latitude and longitude;
- The acres treated by the stormwater management facility or BMP, including total acres, pervious acres, and impervious acres;
- The date the facility was brought online (MM/YYYY). If the date brought online is not known, NOVA shall use June 30, 2005;
- The 6th Order Hydrologic Unit Code in which the stormwater management facility is located;
- Whether the stormwater management facility or BMP is owned or operated by NOVA;
- Whether or not the stormwater management facility or BMP is part of NOVA's Chesapeake Bay TMDL action plan required in Part II A or local TMDL action plan required in Part II B, or both; and
- The date of NOVA's most recent inspection of the stormwater management facility or BMP.

The electronic database or spreadsheet shall be updated no later than 30 days after a new stormwater management facility is brought online, a new BMP is implemented to meet a TMDL load reduction as required in Part II or discovered if it is an existing stormwater management facility.

NOVA shall use the DEQ Construction Stormwater Database or other application as specified by the department to report each stormwater management facility installed after July 1, 2014, to address the control of post-construction runoff from land disturbing activities for which NOVA is required to obtain a General VPDES Permit for Discharges of Stormwater from Construction Activities.

No later than October 1 of each year, NOVA shall electronically report the stormwater management facilities and BMPs implemented between July 1 and June 30 of each year using the DEQ BMP Warehouse and associated reporting template for any practices not reported in accordance with Part I E 5 f including stormwater management facilities installed to control post-development stormwater runoff from land disturbing activities less than one acre in accordance with the Chesapeake Bay Preservation Act regulations (9VAC25-830) and for which a General VPDES Permit for Discharges of Stormwater from Construction Activities was not required.

Necessary documentation for implementation: (1) SWM Facility Tracking Database in Appendix E

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The implementation of this BMP will be ongoing as inspections are performed as specified for each BMP in the SWM Facility Tracking Database.

Measurable goal: Effectiveness will be measured by the completeness of the annually reported database by October 1 each year.

BMP 6.1 Pollution Prevention Procedures for Operations & Maintenance Activities (Part 1 E 6)

Description: NOVA shall maintain and implement written procedures for those activities at facilities owned or operated by NOVA, such as road, street, and parking lot maintenance; equipment maintenance; and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers designed to:

- Prevent illicit discharges;
- Ensure the proper disposal of waste materials, including landscape wastes;
- Prevent the discharge of wastewater or permittee vehicle wash water or both into the MS4 without authorization under a separate VPDES permit;
- Require implementation of best management practices when discharging water pumped from utility construction and maintenance activities;
- Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices;
- Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and
- Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.

Necessary documentation for implementation: (1) NOVA Good Housekeeping/Pollution Prevention Program Manual; (2) Campus-specific SWPPP; (3) Training documentation; (4) Completed Comprehensive Campus Evaluation form. All documentation is incorporated into the NOVA Good Housekeeping/Pollution Prevention Program Manual; and (4) Nutrient Management Plans.

Responsible individual for implementation: NOVA Environmental Services Manager

Objectives and expected results in meeting measurable goals: The objective is to minimize or prevent pollutant discharges from campus operations and maintenance activities. The expected result is campus staff adherence to the NOVA Good Housekeeping/Pollution Prevention Manual during daily activities.

Implementation schedule: Training will be provided once every 24 months, and campus evaluations will be performed with the schedule described in BMP 6.2. No later than June 30 of each year, NOVA will annually review any high-priority facility owned or operated by NOVA for which a SWPPP has not been developed to determine if the facility has a high potential to discharge potential pollutants. If the facility is determined to be a high priority facility with a high potential to discharge pollutants, NOVA will develop a SWPPP no later than December 31 of that same year.

Measurable goals: Effectiveness will be measured by the implementation of a campus-specific Stormwater Pollution Prevention Plan (SWPPP) as described in BMP 6.2, evaluated with a campus compliance evaluation as described for the measure of effectiveness for BMP 3.4, and the Pollution Prevention training described in BMP 6.3.

BMP 6.2 Campus Stormwater Pollution Prevention Plan (Part 1 E 6 c)

Description: NOVA shall identify which of the high-priority facilities have a high potential of discharging pollutants. NOVA shall maintain and implement a site-specific stormwater pollution prevention plan (SWPPP) for each facility identified. High priority facilities that have a high potential for discharging pollutants are those facilities that are not covered under a separate VPDES permit and which any of the following materials or activities occur and are expected to have exposure to stormwater resulting from rain, snow, snowmelt or runoff:

- Areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater;
- Materials or residuals on the ground or in stormwater inlets from spills or leaks;
- Material handling equipment;
- Materials or products that would be expected to be mobilized in stormwater runoff during loading or unloading or transporting activities (e.g., rock, salt, fill dirt);
- Materials or products stored outdoors (except final products intended for outside use where exposure to stormwater does not result in the discharge of pollutants);
- Materials or products that would be expected to be mobilized in stormwater runoff contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers;
- Waste material except waste in covered, nonleaking containers (e.g., dumpsters);
- Application or disposal of process wastewater (unless otherwise permitted); or
- Particulate matter or visible deposits of residuals from roof stacks, vents or both not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater runoff.

Each SWPPP as required in Part I E 6 c shall include the following:

- A site description that includes a site map identifying all outfalls, direction of stormwater flows, existing source controls, and receiving water bodies;
- A description and checklist of the potential pollutants and pollutant sources;
- A description of all potential non-stormwater discharges;
- Written procedures designed to reduce and prevent pollutant discharge;
- A description of the applicable training as required in Part I E 6 m;
- Procedures to conduct an annual comprehensive site compliance evaluation;
- An inspection frequency of no less than once per year and maintenance requirements for site specific source controls. The date of each inspection and associated findings and follow-up shall be logged in each SWPPP; and
- A log of each unauthorized discharge, release, or spill incident reported in accordance with Part III G including the following information:
    - Date of incident;
    - Material discharged, released, or spilled; and
    - Estimated quantity discharged, released or spilled.

No later than June 30 of each year, NOVA shall annually review any high-priority facility owned or operated by the NOVA for which a SWPPP has not been developed to determine if the facility has a high potential to discharge pollutants as described in Part I E 6 c. If the facility is determined to be a high-priority facility with a high potential to discharge pollutants, NOVA shall develop a SWPPP meeting the requirements of Part I E 6 d no later than December 31 of that same year.

NOVA shall review the contents of any site-specific SWPPP no later than 30 days after any unauthorized discharge, release, or spill reported in accordance with Part III G to determine if additional measures are necessary to prevent future unauthorized discharges, releases, or spills. If necessary, the SWPPP shall be updated no later than 90 days after the unauthorized discharge.

The SWPPP shall be kept at the high-priority facility with a high potential to discharge and utilized as part of staff training required in Part I E 6 m. The SWPPP and associated documents may be maintained as a hard copy or electronically as long as the documents are available to employees at the applicable site.

If activities change at a facility such that the facility no longer meets the criteria of a high-priority facility with a high potential to discharge pollutants as described in Part I E 6 c, NOVA may remove the facility from the list of high-priority facilities with a high potential to discharge pollutants.

NOVA will not apply any deicing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks, or other paved surfaces in accordance with Part I E 6 k. The ingredients of deicers used on campus will be maintained.

The SWPPP will provide instruction for updates, as necessary, to reflect changes on campus, modifications to operations and maintenance procedures, or shortcomings resulting in a reportable spill. Inspection forms will be completed in accordance with the prescribed schedule within the SWPPP and maintained on file with the Environmental Services Manager.

NOVA shall provide a list of all high-priority facilities owned or operated by NOVA required in accordance with Part I E 6 c, and whether or not the facility has a high potential to discharge.

Table 7: List of High Priority Facilities

High Priority Facility	Address
Loudoun Campus	21200 Campus Drive, Sterling, VA 20164
Annandale Campus	8333 Little River Turnpike, Annandale, VA 22003
Alexandria Campus	5000 Dawes Avenue, Alexandria, VA 22311
Woodbridge Campus	2645 College Drive, Woodbridge, VA 22191

Necessary documentation for implementation: (1) Good Housekeeping & Pollution Prevention Manual; (2) Campus-specific SWPPP; (3) SWPPP inspection forms; and (4) Ingredients of deicers used on campus.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: By June 30th every year NOVA will review its properties to determine if the facilities meet the criteria of a high priority facility and develop a SWPPP by December 31 of the same permit year. NOVA will also review its properties to determine if the properties no longer meet the criteria of a high priority facility. NOVA will review the campus SWPPP no later than 30 days after an unauthorized discharge, release or spill reported in accordance with Part III G to determine if additional measures are necessary to prevent future unauthorized discharges, releases or spills. The SWPPP shall be updated no later than 90 days after the unauthorized discharge. The SWPPP inspection will be completed once per year.

Measurable goals: Effectiveness will be measured by the completed SWPPP inspection once per year; a review of the SWPPP within 30 days after an unauthorized discharge, release or spill reported; and an update to the SWPPP within 90 days after an unauthorized discharge. In addition, effectiveness will be measured by the review of NOVA's properties to determine if the properties meet the criteria of a high priority facility and a SWPPP is developed, or no longer meet the criteria of a high priority facility.

BMP 6.3 Turf and Landscape Management (Part I E 6 j)

Description: NOVA applies nutrients to lands regulated under § 10.1-104.4 of the Code of Virginia; and therefore, shall continue to implement turf and landscape nutrient management plans in accordance with this statutory requirement.

NOVA shall implement a Department of Conservation and Recreation (DCR) approved and campus-specific Nutrient Management Plan (NMP) prepared by a Certified Nutrient Management Planner. Fertilizer application records will be maintained with each application using the application record provided in the NMP.

NOVA shall provide a list of lands for which turf and landscape nutrient management plans are required in accordance with Part I E 6 i and j, including the following information:

- The total acreage on which nutrients are applied;
- The date of the most recently approved nutrient management plan for the property; and
- The location in which the individual turf and landscape nutrient management plan is located.

Table 8: List of Lands where Nutrient Management Plans are Required

Property Name	Application Area (ac.)	NMP Date	Location of NMP Area
Loudoun Campus	50.81	7/15/2021	All lawn areas, except BMPs
Annandale Campus	13.74	7/15/2021	All lawn areas, except BMPs
Alexandria Campus	9.27	7/15/2021	All lawn areas, except BMPs
Woodbridge Campus	11.57	7/15/2021	All lawn areas, except BMPs
Manassas Campus*	16.34	7/15/2021	All lawn areas, except BMPs
Medical Education Center*	1.50	7/15/2021	All lawn areas, except BMPs

*Not an MS4 property.

Necessary documentation for implementation: (1) NOVA Nutrient Management Plan; and (2) Completed Fertilizer Application Record.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The NMP will continue to be updated and modified as needed. Fertilizer application records will be maintained with each application.

Measurable goals: Effectiveness will be measured by the implementation of the NMP through completion of the application record and periodic updates to the NMP to make necessary adjustments based on soil conditions.

BMP 6.4 Contractor Safeguards, Measures and Procedures (Part I E 6 l)

Description: NOVA shall require through the use of contract language, training, standard operating procedures, or other measures within the NOVA's legal authority that contractors employed by NOVA and engaging in activities with the potential to discharge pollutants use appropriate control measures to minimize the discharge of pollutants to the MS4.

NOVA will use contract language that references the NOVA Good Housekeeping and Pollution Prevention Manual to require campus contractors to use appropriate control measures and procedures for stormwater discharges, when applicable. Oversight will be provided by NOVA through periodic inspections. Contract language will require contractors to address items identified during inspections within a time period appropriate to prevent the potential of non-stormwater discharges. The contract language will also allow the college to stop-work, address the problem, and recoup cost for the remedy from the contractor.

Contractors implementing the stormwater program shall obtain the appropriate certifications as required under the Virginia Stormwater Management Act (VSMA) and its attendant regulations.

A summary of mechanisms NOVA uses to ensure contractors working on behalf of NOVAs implement the necessary good housekeeping and pollution prevention procedures, and stormwater pollution plans as appropriate:

- NOVA incorporates contract language that includes a reference to the Good Housekeeping and Pollution Prevention Manual located on NOVA's website.

Contract language described in this BMP is not intended for regulated land disturbing activity addressed with BMPs 4.1, 4.2, and 4.3.

Necessary documentation for implementation: (1) Good Housekeeping and Pollution Prevention Manual; and (2) Contract language.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: NOVA will continue to incorporate language into contracts to ensure contractors engaging in activities with the potential to discharge pollutants use appropriate control measures to minimize the discharge of pollutants to the MS4.

Measurable goals: Effectiveness will be measured by all signed contracts executed with contract good housekeeping and pollution prevention language.

BMP 6.5 Contractor Certification for Pesticide Application (Part I E 6 m 4)

Description: Contractors hired by NOVA who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VDACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement.

Necessary documentation for implementation: (1) Contract language; and (2) Proof of certifications

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: NOVA will continue to obtain proof of certifications from contractors applying pesticide and herbicide.

Measurable goal: Effectiveness will be measured by all signed contracts executed for pesticide and herbicide application maintain proof of certifications on file.

BMP 6.6 Employee Good Housekeeping/Pollution Prevention Training Plan (Part 1 E 6 m)

Description: NOVA shall develop a training plan in writing for applicable staff that ensures the following:

- Field personnel receive training in the recognition and reporting of illicit discharges no less than once per 24 months;
- Employees performing road, street, and parking lot maintenance receive training in pollution prevention and good housekeeping associated with those activities no less than once per 24 months;
- Employees working in and around maintenance, public works, or recreational facilities receive training in good housekeeping and pollution prevention practices associated with those facilities no less than once per 24 months;
- Employees who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VCACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement;
- Employees serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations;
- Employees and contractors implementing the stormwater program obtain the appropriate certifications as required under the Virginia Stormwater Management Act and its attendant regulations; and
- Employees whose duties include emergency response have been trained in spill response. Training of emergency responders such as firefighters and law-enforcement officers on the handling of spill releases as part of a larger emergency response training shall satisfy this training requirement and be documented in the training plan.

NOVA shall maintain documentation of each training event conducted by NOVA to fulfill the requirements of Part I E 6 m for a minimum of three years after the training event. The documentation shall include the following information:

- The date of the training event;
- The number of employees attending the training event; and
- The objective of the training event.

NOVA may fulfill the training requirements in Part I E 6 m, in total or in part, through regional training programs involving two or more MS4 permittees; however, NOVA shall remain responsible for ensuring compliance with the training requirements.

NOVA will incorporate a written training plan into its Good Housekeeping/Pollution Prevention and IDDE Program Manuals, including a schedule of training events. The Program Manuals will serve as the training material and include Appendices to document training and list relevant staff for the following specific training:

- Training once every 24 months to relevant field personnel in the recognition and reporting of illicit discharges. Training will utilize the IDDE Manual described in BMP 3.3.
- Training once every 24 months to relevant employees in good housekeeping and pollution prevention practices that are to be employed during road and parking lot maintenance and around maintenance and operations facilities. Training will utilize the NOVA Good Housekeeping/Pollution Prevention Manual described in BMP 6.1.

The plan will also require the following:

- Training or certification in spill response for emergency response employees.
- Training or certification for applying pesticides and herbicides in accordance with the Virginia Pesticide Control Act (§ 3.1-249.27 et seq. of the Code of Virginia) for employees performing applications.

Training required by the General Permit that is not applicable to NOVA includes the following:

- Training to employees in and around recreational facilities.
- Certifications as required under the Virginia Erosion & Sediment Control Law (See BMPs 4.1 and 4.3).
- Certifications as required under the Virginia Stormwater Management Act and its attendant regulations.

Necessary documentation for implementation: (1) Training documentation or appropriate certifications for employees; (2) NOVA IDDE Manual; and (3) NOVA Good Housekeeping/Pollution Prevention Program Manual.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: Training for illicit discharge and good housekeeping will occur no less than every 24 months. Certifications will be maintained, and proof of certification updated as appropriate.

Measurable goals: Effectiveness will be determined by the training occurring no less than every 24 months, and proof of certifications updated as appropriate.

3.1 SPECIAL CONDITIONS FOR THE CHESAPEAKE BAY TMDL

BMP CB-SC.1 Chesapeake Bay TMDL Action Plan (Part II A)

Description: NOVA will develop a second phase 2018 – 2023 Chesapeake Bay TMDL Action Plan that incorporates public comment and includes:

- Any new or modified legal authorities, such as ordinances, permits, policy, specific contract language, orders, and interjurisdictional agreements, implemented or needing to be implemented;
- The load and cumulative reduction calculations for each river basin;
- The total reductions achieved as of July 1, 2018, for each pollutant of concern in each river basin;
- A list of BMPs implemented prior to July 1, 2018, to achieve reductions associated with the Chesapeake Bay TMDL including the date of implementation and the reductions achieved;
- The BMPs to be implemented by NOVA prior to the expiration of this permit to meet the cumulative reductions, including as applicable:
    - Type of BMP;
    - Project name;
    - Location;
    - Percent removal efficiency for each pollutant of concern; and
    - Calculation of the reduction expected to be achieved by the BMP calculated and reported in accordance with the methodologies established for each pollutant of concern.
- A summary of any comments received as a result of public participation, NOVA's response, and any revisions made to the 2018 – 2023 Chesapeake Bay TMDL action plan as a result of public participation.

The Action Plan development considered DEQ's Chesapeake Bay Action Plan Guidance Memo No. 15-2005 and was revised in accordance with Guidance Memo No. 20-2003.

Prior to submittal of the action plan required in Part II A 11, NOVA shall provide an opportunity for public comment on the additional BMPs proposed to meet the reductions not previously approved by the department in the first phase Chesapeake Bay TMDL action plan for no less than 15 days.

Necessary documentation for implementation: (1) 2018 – 2023 Chesapeake Bay TMDL Action Plan; (2) Summary of public comments and NOVA's responses; and (3) NOVA Program Plan Updates, as necessary.

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The 2018 - 2023 Chesapeake Bay Action Plan will be developed by November 1, 2019. The schedule developed in the Action Plan will be implemented thereafter.

Measurable goal: Effectiveness will be determined by the consideration of public comments; and the selection of cost effective BMPs supported by model quantification to achieve the required pollutant reductions.

BMP CB-SC.2 Chesapeake Bay TMDL Action Plan Implementation (Part II A)

Description: NOVA will implement the second phase 2018 – 2023 Chesapeake Bay TMDL Action Plan per a schedule developed in the 2018 – 2023 Chesapeake Bay TMDL Action Plan.

Necessary documentation for implementation: 2018 – 2023 Chesapeake Bay TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: Table 9 includes the implementation schedule in the 2018 – 2023 Chesapeake Bay TMDL Action Plan.

Table 9: 2018 – 2023 Chesapeake Bay TMDL Action Plan Implementation Schedule

Step	General Description	Measurable Goal	Completion Date
1	5% reduction requirement complete. Evaluate lbs. swept.	Completed tracking documentation.	July 2019
2	5% reduction requirement complete. Make adjustments to frequency based on 2019 information obtained.	Completed tracking documentation with increase sweeping frequency.	July 2020
3	5% reduction requirement complete. Determine if 40% can be achieved w/ street sweeping alone. If not, evaluate alternate means to achieve 40% reduction. Secure funding for future implementation of new BMPs. Revise Action Plan accordingly.	Completed tracking documentation. If required, revise Action Plan.	July 2021
4	5% reduction requirement complete. Ensure means and methods are in place to meet 40% reduction including additional BMPs if necessary.	Completed tracking documentation and support documentation from any new BMPs employed to meet 40% reduction.	July 2022
5	Complete 40% reduction requirement with selected means and methods.	Completed tracking documentation and support documentation from any new BMPs employed to meet 40% reduction.	July 2023
6	Report on Chesapeake Bay TMDL 40% reduction achievement.	Record results in Annual Report.	October 2023

Measurable goal: Effectiveness will be determined by the implementation of the actions in the schedule.

3.2 SPECIAL CONDITIONS FOR EXISTING LOCAL TMDLS

BMP SC1.1 Neabsco Creek Bacteria TMDL Action Plan (Part II B)

Description: NOVA shall update and implement a local TMDL action plan designed to reduce loadings for pollutants of concern if NOVA discharges the pollutants of concern to an impaired water for which a TMDL has been approved by the U.S. Environmental Protection Agency (EPA) as described below:

- For TMDLs approved by the EPA prior to July 1, 2013, and in which an individual or aggregate wasteload has been allocated to NOVA, NOVA shall update the previously approved local TMDL action plans to meet the conditions of Part II B 3, B 4, B 5, B 6, and B 7 as applicable, no later than 18 months after the permit effective date and continue implementation of the action plan.

NOVA shall complete implementation of the TMDL action plans as soon as practicable. TMDL action plans may be implemented in multiple phases over more than one permit cycle using the adaptive iterative approach provided adequate progress is achieved in the implementation of BMPs designed to reduce pollutant discharges in a manner that is consistent with the assumptions and requirements of the applicable TMDL.

Each local TMDL action plan developed by NOVA shall include the following:

- The TMDL project name;
- The EPA approval date of the TMDL;
- The wasteload allocated to NOVA (individually or in aggregate), and the corresponding percent reduction, if applicable;
- Identification of the significant sources of the pollutants of concern discharging to the MS4 and that are not covered under a separate VPDES permit. For the purposes of this requirement, a significant source of pollutants means a discharge where the expected pollutant loading is greater than the average pollutant loading for the land use identified in the TMDL;
- The BMPs designed to reduce the pollutants of concern in accordance with Parts II B 4, B 5, and B 6;
- Any calculations required in accordance with Part II B 4, B 5, or B 6;
- For action plans developed in accordance with Part II B 4 and B 5, an outreach strategy to enhance the public's education (including employees) on methods to eliminate and reduce discharges of the pollutants; and
- A schedule of anticipated actions planned for implementation during this permit term.

NOVA is not an approved VSMP authority; therefore, NOVA shall select at least one strategy listed in Table 10 below designed to reduce the load of bacteria to the MS4 relevant to sources of bacteria applicable within the MS4 regulated service area. Selection of the strategies shall correspond to sources identified in Part II B 3 d.

Table 10: Strategies for Bacteria Reduction Stormwater Control/Management Strategy	
Source	**Strategies** (provided as an example and not meant to be all inclusive or limiting)
Domestic pets (dogs and cats)	Provide signage to pick up dog waste, providing pet waste bags and disposal containers. Adopt and enforce pet waste ordinances or policies, or leash laws or policies. Place dog parks away from environmentally sensitive areas. Maintain dog parks by removing disposed of pet waste bags and cleaning up other sources of bacteria. Protect riparian buffers and provide unmanicured vegetative buffers along streams to dissuade stream access.
Urban wildlife	Educate the public on how to reduce food sources accessible to urban wildlife (e.g., manage restaurant dumpsters and grease traps, residential garbage, feed pets indoors). Install storm drain inlet or outlet controls. Clean out storm drains to remove waste from wildlife. Implement and enforce urban trash management practices. Implement rooftop disconnection programs or site designs that minimize connections to reduce bacteria from rooftops Implement a program for removing animal carcasses from roadways and properly disposing of the same (either through proper storage or through transport to a licensed facility).
Illicit connections or illicit discharges to the MS4	Implement an enhanced dry weather screening and illicit discharge, detection, and elimination program beyond the requirements of Part I E 3 to identify and remove illicit connections and identify leaking sanitary sewer lines infiltrating to the MS4 and implement repairs. Implement a program to identify potentially failing septic systems. Educate the public on how to determine whether their septic system is failing. Implement septic tank inspection and maintenance program. Implement an educational program beyond any requirements in Part I E 1 though E 6 to explain to citizens why they should not dump materials into the MS4.

Table 10: Strategies for Bacteria Reduction Stormwater Control/Management Strategy Continued	
Source	**Strategies** (provided as an example and not meant to be all inclusive or limiting)
Dry weather urban flows (irrigations, car washing, powerwashing, etc.)	Implement public education programs to reduce dry weather flows from storm sewers related to lawn and park irrigation practices, car washing, powerwashing and other nonstormwater flows. Provide irrigation controller rebates. Implement and enforce ordinances or policies related to outdoor water waste. Inspect commercial trash areas, grease traps, washdown practices, and enforce corresponding ordinances or policies.
Birds (Canadian geese, gulls, pigeons, etc.)	Identify areas with high bird populations and evaluate deterrents, population controls, habitat modifications and other measures that may reduce bird-associated bacteria loading. Prohibit feeding of birds.
Other sources	Enhance maintenance of stormwater management facilities owned or operated by the permittee. Enhance requirements for third parties to maintain stormwater management facilities. Develop BMPs for locating, transporting, and maintaining portable toilets used on permittee-owned sites. Educate third parties that use portable toilets on BMPs for use. Provide public education on appropriate recreational vehicle dumping practices.

Necessary documentation for implementation: Neabsco Creek Bacteria TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The Neabsco Creek Bacteria TMDL Action Plan was finalized on June 9, 2020.

Measurable goal: Effectiveness will be determined by the consideration of public comments; and the selection of cost effective BMPs and outreach strategies to enhance the public's education.

BMP SC1.2 Neabsco Creek Bacteria TMDL Action Plan Implementation (Part II B)

Description: NOVA will implement a strategy annually per the schedule in the Neabsco Creek Bacteria TMDL Action Plan.

Necessary documentation for implementation: Neabsco Creek Bacteria TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The implementation of the Neabsco Creek Bacteria TMDL Action Plan will be according to schedule in Table 11.

Table 11: Neabsco Creek Bacteria TMDL Action Plan Implementation

Year	Strategies	Method
2021-2022	Identify areas with high bird populations and evaluate deterrents, population controls, habitat modifications and other measures that may reduce bird-associated bacteria loading.	Geese Management via trained dog harassment on campus 2 – 3 times daily, 7 days a week.

Measurable goal: Effectiveness will be determined by the implementation of the actions in the schedule.

3.3 SPECIAL CONDITIONS FOR NEW LOCAL TMDLS

BMP SC2.1 Accotink Creek Sediment TMDL Action Plan (Part II B)

Description: NOVA shall develop a local TMDL action plan designed to reduce loadings for pollutants of concern if NOVA discharges the pollutants of concern to an impaired water for which a TMDL has been approved by the U.S. Environmental Protection Agency (EPA) as described below:

- For TMDLs approved by EPA on or after July 1, 2013, and prior to June 30, 2018, and in which an individual or aggregate wasteload has been allocated to NOVA, NOVA shall develop and initiate implementation of action plans to meet the conditions of Part II B 3, B 4, B 5, B 6, and B 7 as applicable for each pollutant for which wasteloads have been allocated to NOVA's MS4 no later than 30 months after the permit effective date.

NOVA shall complete implementation of the TMDL action plans as soon as practicable. TMDL action plans may be implemented in multiple phases over more than one permit cycle using the adaptive iterative approach provided adequate progress is achieved in the implementation of BMPs designed to reduce pollutant discharges in a manner that is consistent with the assumptions and requirements of the applicable TMDL.

Each local TMDL action plan developed by NOVA shall include the following:

- The TMDL project name;
- The EPA approval date of the TMDL;
- The wasteload allocated to NOVA (individually or in aggregate), and the corresponding percent reduction, if applicable;
- Identification of the significant sources of the pollutants of concern discharging to the MS4 and that are not covered under a separate VPDES permit. For the purposes of this requirement, a significant source of pollutants means a discharge where the expected pollutant loading is greater than the average pollutant loading for the land use identified in the TMDL;
- The BMPs designed to reduce the pollutants of concern in accordance with Parts II B 4, B 5, and B 6;
- Any calculations required in accordance with Part II B 4, B 5, or B 6;
- For action plans developed in accordance with Part II B 4 and B 5, an outreach strategy to enhance the public's education (including employees) on methods to eliminate and reduce discharges of the pollutants; and
- A schedule of anticipated actions planned for implementation during this permit term.

For local sediment TMDLs:

- NOVA shall reduce the loads associated with sediment through implementation of one or more of the following:
    - One or more of the BMPs from the Virginia Stormwater BMP Clearinghouse listed in 9VAC25-870-65 or other approved BMPs found on the Virginia Stormwater BMP Clearinghouse website;
    - One or more BMPs approved by the Chesapeake Bay Program; or
    - Land disturbance thresholds lower than Virginia's regulatory requirements for erosion and sediment control and post development stormwater management.
- NOVA may meet the local TMDL requirements for sediment through BMPs implemented to meet the requirements of the Chesapeake Bay TMDL in Part II A as long as the BMPs are implemented in the watershed for which local water quality is impaired.

- NOVA shall calculate the anticipated load reduction achieved from each BMP and include the calculations in the action plan required in Part II B 3 f.
- No later than 36 months after the effective date of this permit, NOVA shall submit to the department the anticipated end dates by which NOVA will meet each WLA for sediment. The proposed end date may be developed in accordance with Part II B 2.

Necessary documentation for implementation: Accotink Creek Sediment TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The Accotink Creek Sediment TMDL Action Plan was developed by May 1, 2021.

Measurable goal: Effectiveness will be determined by the consideration of public comments; and the selection of cost effective BMPs supported by model quantification to achieve the required pollutant reductions and outreach strategies to enhance the public's education.

BMP SC2.2 Accotink Creek Sediment TMDL Action Plan Implementation (Part II B)

Description: NOVA will implement a step annually per the schedule in the Accotink Creek Sediment TMDL Action Plan.

Necessary documentation for implementation: Accotink Creek Sediment TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The Accotink Creek Sediment TMDL Action Plan will be implemented according to the schedule in Table 12.

Table 12: Accotink Creek Sediment TMDL Action Plan Implementation

Step	General Description	Measurable Goal	Completion Date
1	Develop Action Plan	Action Plan submitted to DEQ with public comment period.	May 1, 2021
2	Evaluate the potential for addressing the WLA by modifying the current Street Sweeping Program	• Determine the potential number of lane miles that can be swept. • Incorporate guidance from DEQ GM20-2003 & develop tracking document. • Consider Chesapeake Bay TMDL Action Plan WLA in conjunction with this Action Plan.	June 30, 2022
3	Evaluate the potential for addressing the WLA by modifying the current Street Sweeping Program	• Evaluate current equipment & staff availability. • Evaluate budget to determine how much street sweeping can be accomplished.	June 30, 2023
4	Evaluate the potential for addressing the WLA by modifying the current Street Sweeping Program	• If required, plan to purchase dedicated sweeper. • If required, hire additional staff to adequately address staffing needs to address the WLA.	June 30, 2024
5	Implement modified Street Sweeping Program and evaluate progress in meeting WLA.	• Begin staff training & modified street sweeping program. • Explore options for additional BMPs as necessary.	June 30,2025
6	Implement modified Street Sweeping Program and evaluate progress in meeting WLA.	• Continued staff training & modify street sweeping program as necessary. • If required, evaluate options for additional BMPs as necessary.	June 30, 2026

7	Implement modified Street Sweeping Program and evaluate progress in meeting WLA.	• Continued staff training & modify street sweeping program as necessary. • If required, implement options for additional BMPs as necessary and feasible.	June 30, 2027
8	TMDL End date	WLA met	June 30,2028
9	Ongoing evaluation of sediment reductions	Re-evaluate BMPs used to achieve sediment reductions and explore any necessary modifications to the program (new BMPs, modifying existing BMPs, etc.)	Ongoing

Measurable goal: Effectiveness will be determined by the implementation of the actions in the schedule.

BMP SC3.1 Accotink Creek Chloride TMDL Action Plan (Part II B)

Description: NOVA shall develop a local TMDL action plan designed to reduce loadings for pollutants of concern if NOVA discharges the pollutants of concern to an impaired water for which a TMDL has been approved by the U.S. Environmental Protection Agency (EPA) as described below:

- For TMDLs approved by EPA on or after July 1, 2013, and prior to June 30, 2018, and in which an individual or aggregate wasteload has been allocated to NOVA, NOVA shall develop and initiate implementation of action plans to meet the conditions of Part II B 3, B 4, B 5, B 6, and B 7 as applicable for each pollutant for which wasteloads have been allocated to NOVA's MS4 no later than 30 months after the permit effective date.

NOVA shall complete implementation of the TMDL action plans as soon as practicable. TMDL action plans may be implemented in multiple phases over more than one permit cycle using the adaptive iterative approach provided adequate progress is achieved in the implementation of BMPs designed to reduce pollutant discharges in a manner that is consistent with the assumptions and requirements of the applicable TMDL.

Each local TMDL action plan developed by NOVA shall include the following:

- The TMDL project name;
- The EPA approval date of the TMDL;
- The wasteload allocated to NOVA (individually or in aggregate), and the corresponding percent reduction, if applicable;
- Identification of the significant sources of the pollutants of concern discharging to the MS4 and that are not covered under a separate VPDES permit. For the purposes of this requirement, a significant source of pollutants means a discharge where the expected pollutant loading is greater than the average pollutant loading for the land use identified in the TMDL;
- The BMPs designed to reduce the pollutants of concern in accordance with Parts II B 4, B 5, and B 6;
- Any calculations required in accordance with Part II B 4, B 5, or B 6;
- For action plans developed in accordance with Part II B 4 and B 5, an outreach strategy to enhance the public's education (including employees) on methods to eliminate and reduce discharges of the pollutants; and
- A schedule of anticipated actions planned for implementation during this permit term.

Necessary documentation for implementation: Accotink Creek Chloride TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The Accotink Creek Chloride TMDL Action Plan was developed by May 1, 2021.

Measurable goal: Effectiveness will be determined by the consideration of public comments; and the selection of cost effective BMPs supported by model quantification to achieve the required pollutant reductions and outreach strategies to enhance the public's education.

BMP SC3.2 Accotink Creek Chloride TMDL Action Plan Implementation (Part II B)

Description: NOVA will implement a step annually per the schedule in the Accotink Creek Chloride TMDL Action Plan.

Necessary documentation for implementation: Accotink Creek Chloride TMDL Action Plan

Responsible individual for implementation: NOVA Environmental Services Manager

Implementation schedule: The Accotink Creek Chloride TMDL Action Plan will be implemented according to the schedule in Table 13.

Table 13: Accotink Creek Chloride TMDL Action Plan Implementation

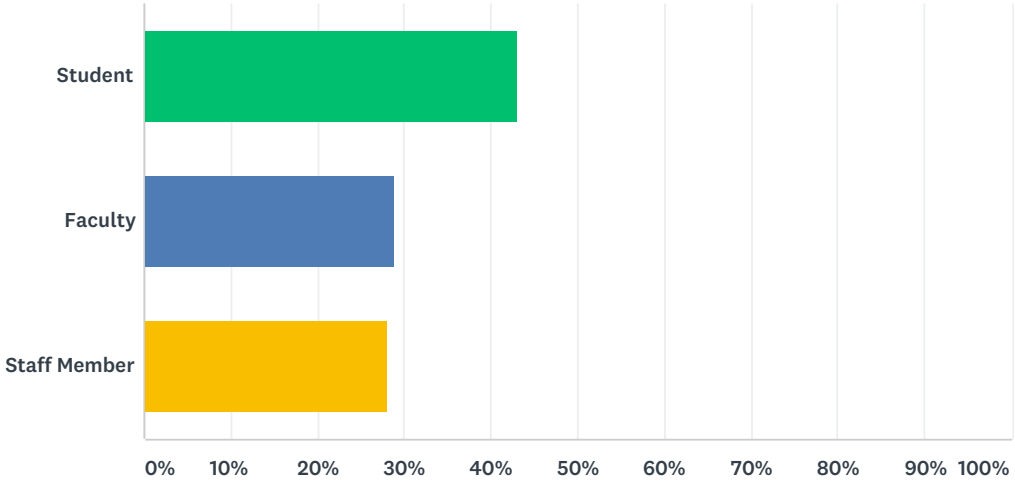
Action Item	Completion Date
Complete TMDL Action Plan	May 1, 2021
Establish Salt Management Working Group and Schedule of Meetings	October 1, 2021
Salt Management Working Group Reviews of SaMS and Development Salt Management Program (SMP)	June 30, 2022
• Salt Management Program Progress provided on the MS4 Annual Report (See 5.1.3) • Action Plan Updated as Necessary • Snow Operations Staff Training	October 1, 2022
• Salt Management Program Progress provided on the MS4 Annual Report (See 5.1.3) • Action Plan Updated as Necessary • Snow Operations Staff Training	October 1, 2023
• Salt Management Program Progress provided on the MS4 Annual Report (See 5.1.3) • Action Plan Updated as Necessary • Snow Operations Staff Training	October 1, 2024
Develop Snow Operations Standard Operating Procedure Manual	June 30, 2025
• Salt Management Program Progress provided on the MS4 Annual Report (See 5.1.3) • Action Plan Updated as Necessary • Snow Operations Staff Training	October 1, 2025
Implement SOPs	Winter 2025

Measurable goal: Effectiveness will be determined by the implementation of the actions in the schedule.

Appendix A - BMP 1.1 Public Education and Outreach Survey

Q1 Are you a Student, Faculty, or Staff Member?

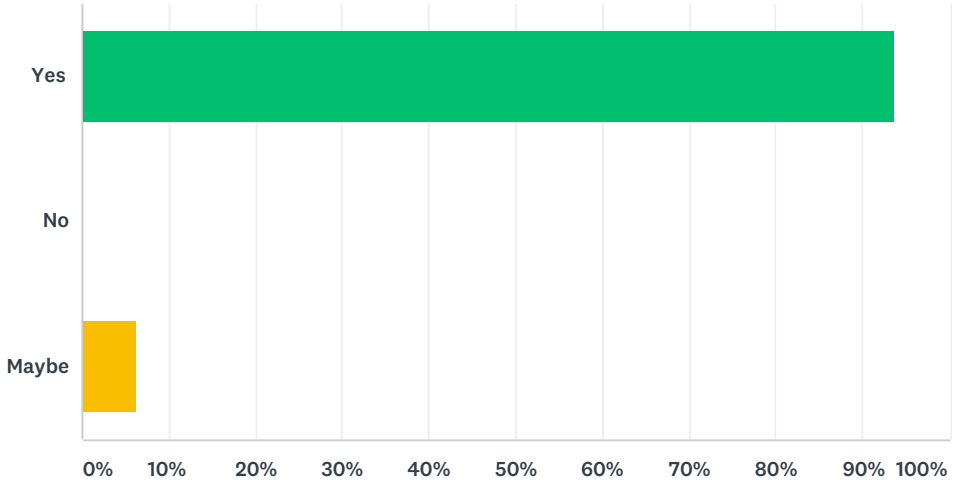
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Student	43.06%	149
Faculty	28.90%	100
Staff Member	28.03%	97
TOTAL		346

Q2 Do you think it is important to improve water quality of Virginia's surface waters (wetlands, creeks, streams, rivers, lakes, bays, etc.)?

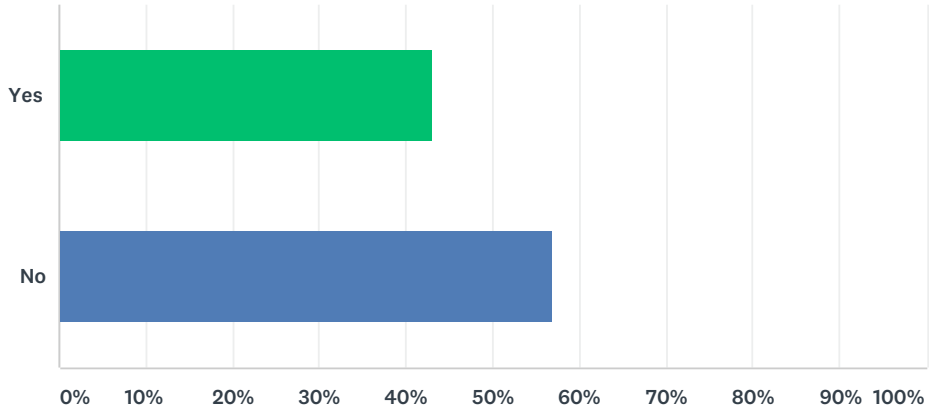
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	93.64%	324
No	0.00%	0
Maybe	6.36%	22
TOTAL		346

Q3 Are you aware that NVCC has a stormwater program in place to protect surface waters and posts the stormwater Program Plan and Annual Reports online regarding the progress and accomplishments?

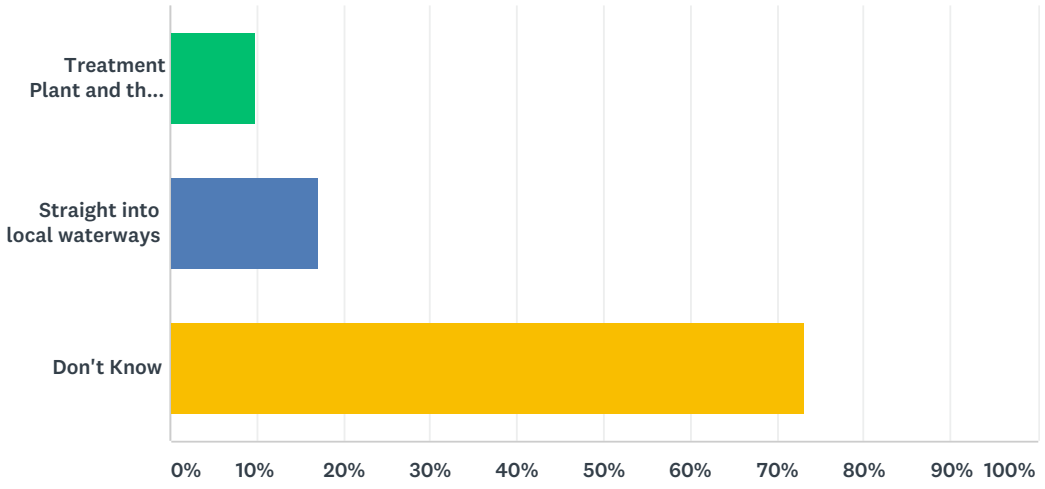
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	43.06%	149
No	56.94%	197
TOTAL		346

Q4 Do you know where stormwater inlets on the NVCC campus drain?

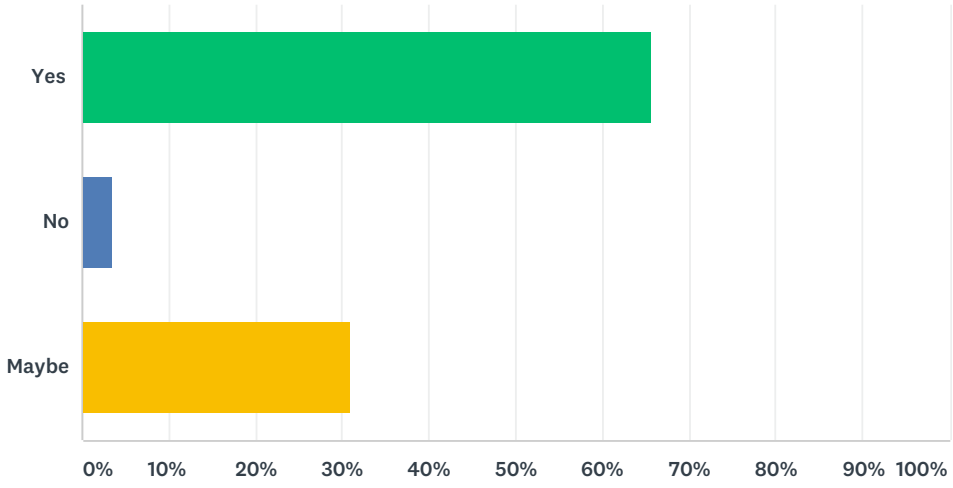
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Treatment Plant and then into the waterway	9.83%	34
Straight into local waterways	17.05%	59
Don't Know	73.12%	253
TOTAL		346

Q5 Are there any legal/disciplinary implications for either directly or indirectly contributing pollutants to surface waters (wetlands, creeks, streams, rivers, lakes, bays, etc.)?

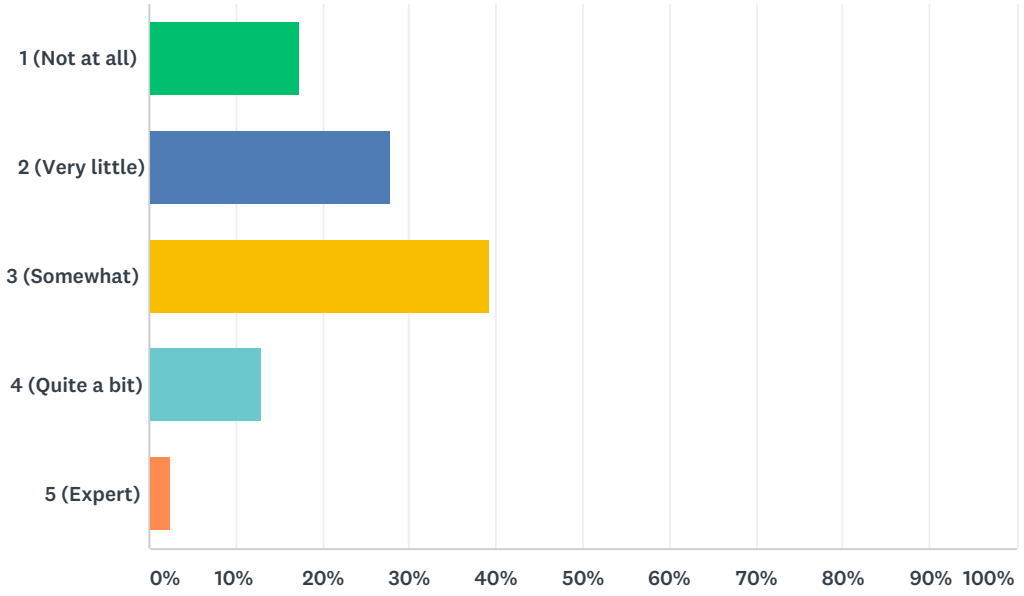
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes	65.61%	227
No	3.47%	12
Maybe	30.92%	107
TOTAL		346

Q6 How much do you feel you know about the steps you can take to reduce stormwater pollution (1 being the least and 5 being the most)?

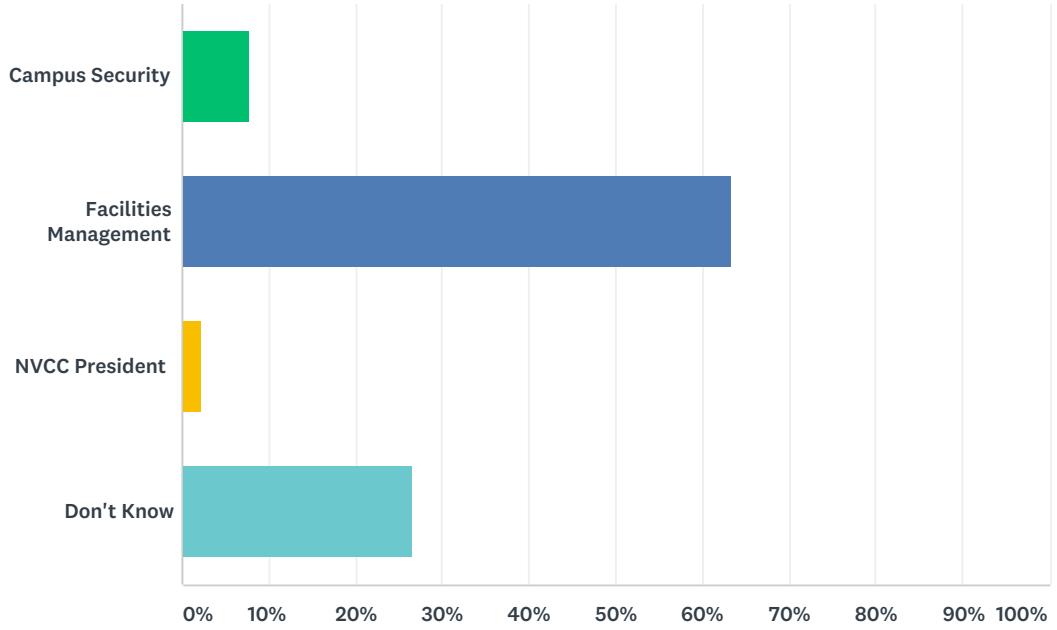
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
1 (Not at all)	17.34%	60
2 (Very little)	27.75%	96
3 (Somewhat)	39.31%	136
4 (Quite a bit)	13.01%	45
5 (Expert)	2.60%	9
TOTAL		346

Q7 If you observed an issue that is negatively impacting environmental water quality on campus who would you contact?

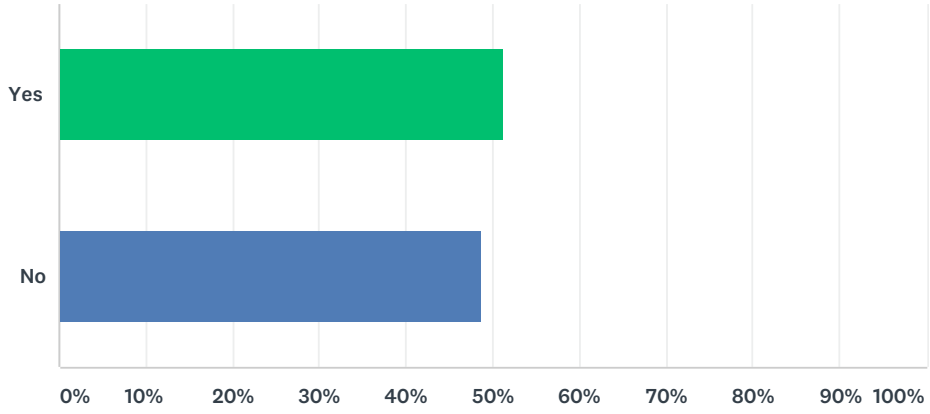
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Campus Security	7.80%	27
Facilities Management	63.29%	219
NVCC President	2.31%	8
Don't Know	26.59%	92
TOTAL		346

Q8 Have you seen the storm drain marker below or something similar at your NVCC campus on the storm drains?

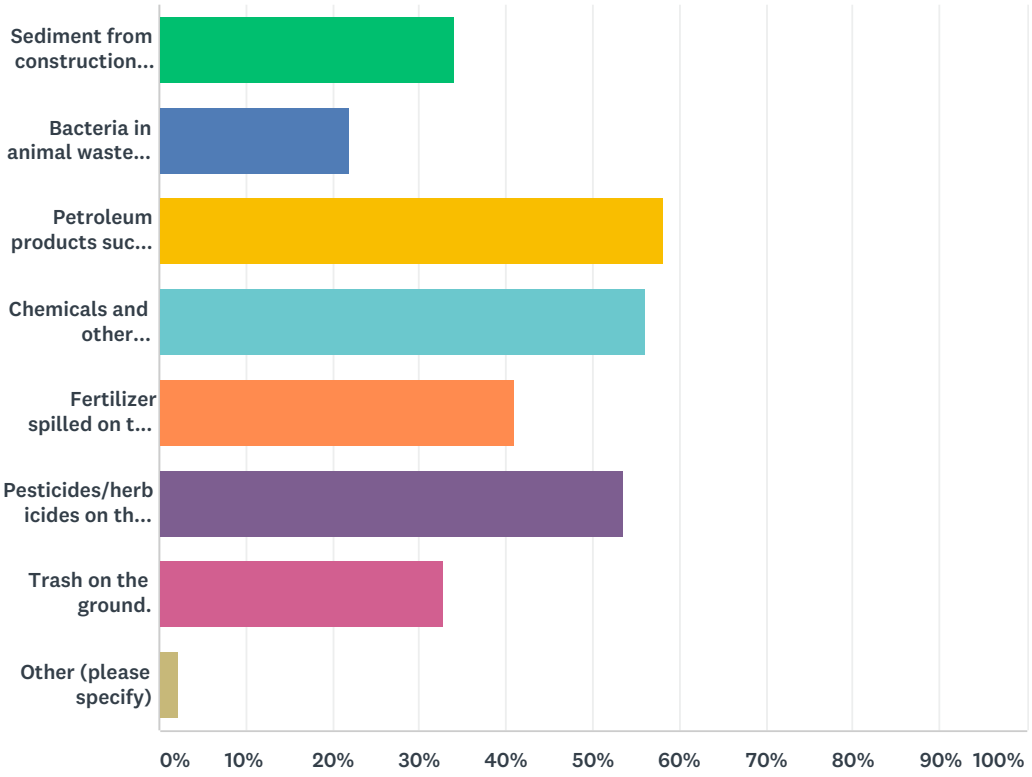
Answered: 334 Skipped: 12



ANSWER CHOICES	RESPONSES	
Yes	51.20%	171
No	48.80%	163
TOTAL		334

Q9 As a NVCC student, faculty or staff member, please select the top three stormwater pollution concerns that could negatively impact a local waterway near campus. (Please select only 3 to complete survey.)

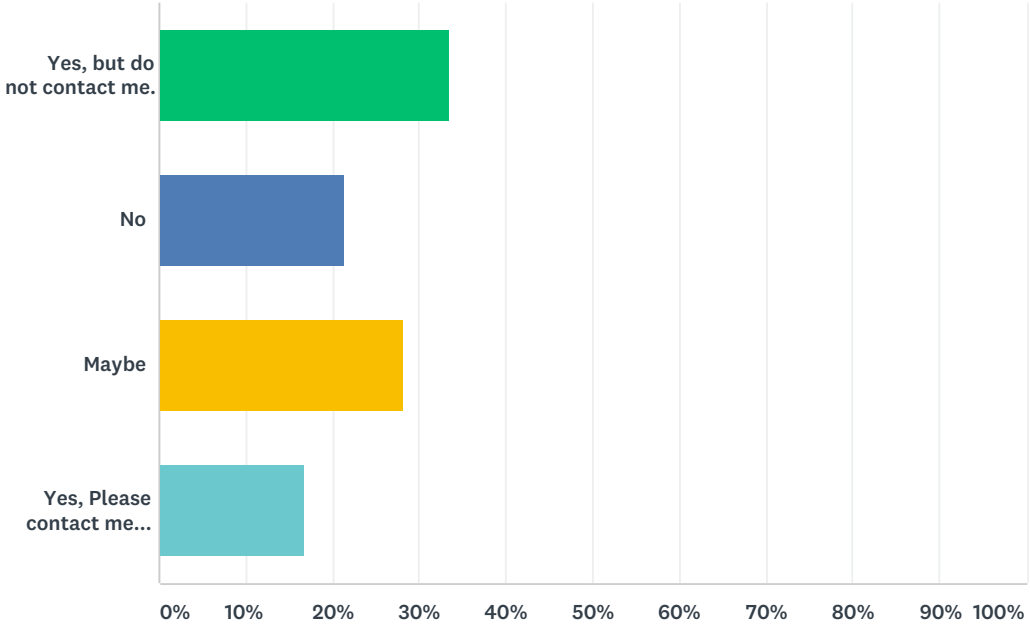
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Sediment from construction sites.	34.10%	118
Bacteria in animal waste from pets, service animals and wildlife.	21.97%	76
Petroleum products such as motor oil or coolants such as antifreeze leaking from vehicles.	58.09%	201
Chemicals and other substances such as paints, detergents, adhesives, solvents, cooking grease/oil, etc. spilled on the ground, left outdoors exposed to stormwater or improperly disposed of.	56.07%	194
Fertilizer spilled on the ground, left outdoors exposed to stormwater or improperly applied (too much, too frequent, onto a hard surface, too close to a waterbody or right before a rain event).	41.04%	142
Pesticides/herbicides on the ground, left outdoors exposed to stormwater or improperly applied (too much, too frequent, onto a hard surface, or right before a rain event).	53.47%	185
Trash on the ground.	32.95%	114
Other (please specify)	2.31%	8
Total Respondents: 346		

Q10 Would you be interested in learning more about ways that you can contribute to improving water quality at NVCC by attending an educational event or volunteering with local projects?

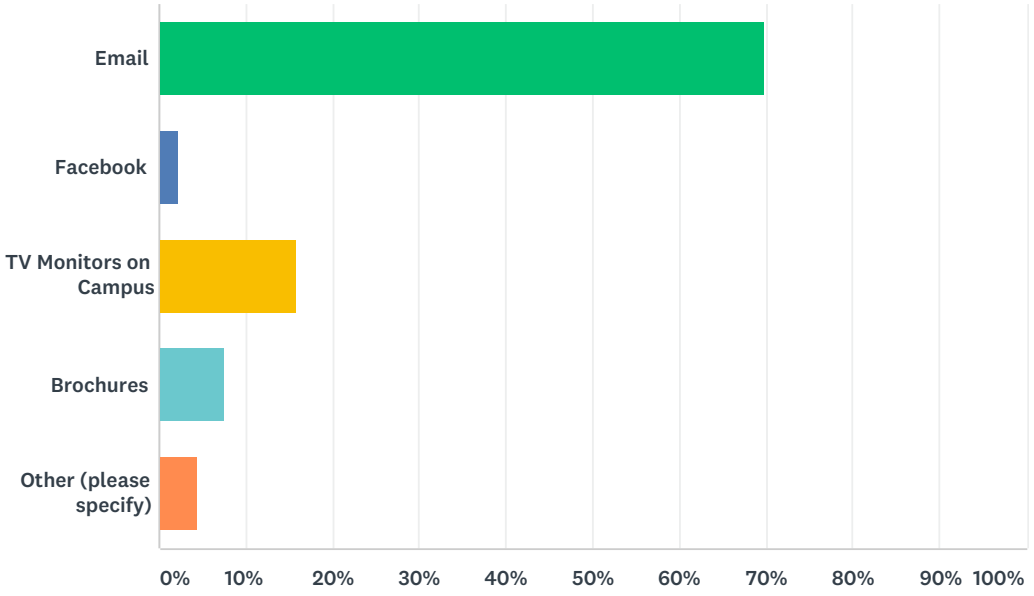
Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Yes, but do not contact me.	33.53%	116
No	21.39%	74
Maybe	28.32%	98
Yes, Please contact me about opportunities (Please provide contact information below).	16.76%	58
TOTAL		346

Q11 Which of the following would be the most effective method to reach you regarding water quality education?

Answered: 346 Skipped: 0



ANSWER CHOICES	RESPONSES	
Email	69.94%	242
Facebook	2.31%	8
TV Monitors on Campus	15.90%	55
Brochures	7.51%	26
Other (please specify)	4.34%	15
TOTAL		346

Q12 Please use the below space to write any other comments or concerns you have about NVCC's stormwater program. Otherwise, please click on the button labeled "Done" below to submit your answers.

Answered: 24 Skipped: 322

Q12 Please use the below space to write any other comments or concerns you have about NVCC's stormwater program. Otherwise, please click on the button labeled "Done" below to submit your answers.

Answered: 24 Skipped: 322

#	RESPONSES	DATE
1	It would be cool if a representative gave a presentation with graphics at our university. We have a small/medium auditorium at my campus, Alexandria NOVA, and it would be neat to see how the whole system works via PowerPoint presentation and talk.	4/7/2019 7:18 PM
2	I appreciate receiving this type of survey.	4/7/2019 11:59 AM
3	Would participating/contributing to this party apply to community service? Would there be any certification opportunities provided through this program?	4/7/2019 8:56 AM
4	na	4/6/2019 12:12 PM
5	good job	4/5/2019 11:56 PM
6	No comments.	4/5/2019 10:59 PM
7	I believe keeping are water supply clean is very important for animals in their environment and for us especially.	4/5/2019 12:53 PM
8	I'm already involved in the stormwater management program.	4/5/2019 7:05 AM
9	Clean environment is one of the most important concern for the future. What present time causes can have disastrous effect for the future.	4/4/2019 5:06 PM
10	Let's please protect and preserve the small Spring Peeper Bog just south of our parking garage next to the pine woods. It's a small miracle that this precious wetland and miracle of life has survived here on NOVA property for 13 years. J.White, MEC-Radiography Program	4/4/2019 4:32 PM
11	nothing	4/4/2019 3:23 PM
12	I'm glad you have a water program. I just have more pressing obligation in my life to be concern with this project, but I think it is a worthwhile effort. I'm thinking about water conservation by making my showers 5 instead of 10 minutes	4/4/2019 3:08 PM
13	N/A	4/4/2019 2:48 PM
14	N/A	4/4/2019 1:03 PM
15	I would like to see an increase in non-turf planting surrounding stormwater ponds and a wider buffer for mowing next to ponds and inlet/outflow streams.	4/4/2019 12:46 PM
16	Offer information programs on campus	4/4/2019 12:46 PM
17	I think that it is necessary to increase the communication about NVCC's stormwater program because there are many people me that they do not have an idea that program exists.	4/4/2019 12:43 PM
18	None.	4/4/2019 11:46 AM
19	Interesting survey. Would like to hear the results.	4/4/2019 11:21 AM
20	I was part of the Beautification Committee focus group to reduce the number of cigarette butts left on the campus pavement, prior to getting special receptacles for them.	4/4/2019 9:31 AM
21	keep up the good fight Nova	4/4/2019 8:53 AM
22	Thanks for doing this, as it is making me more interested.	4/3/2019 3:54 PM
23	Cigarette butts are the worst. They don't seem to be cleaned up outside buildings so are washing into the storm drains.	4/3/2019 3:54 PM
24	I think NVCC has done a great job in working to protect the environment on all the campuses.	4/3/2019 3:53 PM

Appendix B - BMP 3.1 Outfall Information Table

Northern Virginia Community College Outfall Inventory 2021-2022

Alexandria Campus

Outfall ID	Latitude	Longitude	Area Draining to Outfall (Acres)	Receiving Water	Receiving Water Impaired (2016 303(d)/305(b))	12-Digit HUC	Applicable TMDL(s)	TMDL Pollutants	Predominant Land Use to Impaired Water	Date of Last Screening	Summary of Screening Results
NVCC-AL-1	38° 50' 21.951" N	77° 6' 39.664" W	1.41	Unnamed Tributary of Lucky Run	Not Assessed	20700100301	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-AL-2	38° 50' 22.304" N	77° 6' 39.264" W	0.72 (Includes offsite drainage)	Unnamed Tributary of Lucky Run	Not Assessed	20700100301	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE

Annandale Campus

Outfall ID	Latitude	Longitude	Area Draining to Outfall (Acres)	Receiving Water	Receiving Water Impaired (2016 303(d)/305(b))	12-Digit HUC	Applicable TMDL(s)	TMDL Pollutants	Predominant Land Use to Impaired Water	Date of Last Screening	Summary of Screening Results
NVCC-AN-1	38° 50' 6.652" N	77° 14' 1.052" W	0.32	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk, Forest	6/7/2022	No IDDE
NVCC-AN-2	38° 50' 6.276" N	77° 14' 1.650" W	0.05	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Sidewalk, Lawn	6/7/2022	No IDDE
NVCC-AN-3	38° 50' 6.250" N	77° 14' 1.861" W	5.71 (Includes offsite drainage)	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Pond, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-AN-4	38° 50' 6.229" N	77° 14' 4.401" W	4.83 (Includes offsite drainage)	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-AN-5	38° 50' 6.005" N	77° 14' 4.655" W	0.88	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-AN-6	38° 50' 7.433" N	77° 14' 6.305" W	0.52 (Includes offsite drainage)	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-AN-7	38° 50' 5.900" N	77° 14' 7.619" W	2.12	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-AN-8	38° 50' 6.659" N	77° 14' 11.973" W	1.59	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-AN-9	38° 50' 6.917" N	77° 14' 12.593" W	3.44	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-AN-10	38° 50' 6.994" N	77° 14' 12.649" W	3.73	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-AN-11	38° 50' 7.285" N	77° 14' 12.645" W	0.24	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-AN-12	38° 50' 9.330" N	77° 14' 11.053" W	1.75 (Includes offsite drainage)	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Lawn	6/7/2022	No IDDE
NVCC-AN-13*	38° 50' 9.477" N	77° 14' 10.428" W	(Offsite Drainage)	Unnamed Tributary of Accotink Creek	Not Assessed	20700100402	Chesapeake Bay, Accotink Creek Sediment, Upper Accotink Creek Chloride	Nitrogen, Phosphorus, Total Suspended Solids, Chloride	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE

Loudoun Campus

Outfall ID	Latitude	Longitude	Area Draining to Outfall (Acres)	Receiving Water	Receiving Water Impaired (2016 303(d)/305(b))	12-Digit HUC	Applicable TMDL(s)	TMDL Pollutants	Predominant Land Use to Impaired Water	Date of Last Screening	Summary of Screening Results
NVCC-LO-1*	39° 1' 33.333" N	77° 23' 30.012" W	.10 (Offsite drainage not included)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn	6/2/2022	No IDDE
NVCC-LO-2*	39° 1' 33.277" N	77° 23' 29.547" W	(Offsite drainage)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn	6/2/2022	No IDDE
NVCC-LO-3	39° 1' 35.931" N	77° 23' 29.918" W	1.09 (Includes offsite drainage)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Lawn	6/2/2022	No IDDE
NVCC-LO-4	39° 1' 36.144" N	77° 23' 30.165" W	0.27	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Sidewalk	6/2/2022	No IDDE
NVCC-LO-5	39° 1' 36.416" N	77° 23' 30.373" W	0.1	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk	6/2/2022	No IDDE
NVCC-LO-6	39° 1' 36.857" N	77° 23' 30.532" W	0.03	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk	6/2/2022	No IDDE
NVCC-LO-7	39° 1' 37.193" N	77° 23' 30.679" W	.47 (Includes offsite drainage)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-8	39° 1' 40.685" N	77° 23' 30.037" W	2.47 (Includes offsite drainage)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-9	39° 1' 40.916" N	77° 23' 30.401" W	0.13	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-10	39° 1' 39.378" N	77° 23' 33.404" W	0.18	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-11	39° 1' 38.410" N	77° 23' 32.206" W	0.09	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-12	39° 1' 43.069" N	77° 23' 34.669" W	0.89	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Lawn, Buildings	6/2/2022	No IDDE
NVCC-LO-13	39° 1' 43.139" N	77° 23' 34.821" W	1.14	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE

Outfall ID	Latitude	Longitude	Area Draining to Outfall (Acres)	Receiving Water	Receiving Water Impaired (2016 303(d)/305(b))	12-Digit HUC	Applicable TMDL(s)	TMDL Pollutants	Predominant Land Use to Impaired Water	Date of Last Screening	Summary of Screening Results
NVCC-LO-14	39° 1' 43.641" N	77° 23' 35.936" W	4.85	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-15	39° 1' 43.300" N	77° 23' 36.995" W	1.68	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn	6/2/2022	No IDDE
NVCC-LO-16	39° 1' 44.872" N	77° 23' 39.198" W	1.36	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-17	39° 1' 45.240" N	77° 23' 40.170" W	0.32	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Buildings	6/2/2022	No IDDE
NVCC-LO-18	39° 1' 45.637" N	77° 23' 41.132" W	4.55	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn	6/2/2022	No IDDE
NVCC-LO-19	39° 1' 48.557" N	77° 23' 39.289" W	1.9	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-20	39° 1' 47.996" N	77° 23' 39.855" W	0.09	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Lawn, Sidewalk, Buildings	6/2/2022	No IDDE
NVCC-LO-21	39° 1' 53.662" N	77° 23' 26.836" W	4.62	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn, Sidewalk	6/2/2022	No IDDE
NVCC-LO-22	39° 1' 55.047" N	77° 23' 22.022" W	7.65	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Lawn	6/2/2022	No IDDE
NVCC-LO-23	39° 1' 53.714" N	77° 23' 19.971" W	0.68 (Includes offsite drainage)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn	6/2/2022	No IDDE
NVCC-LO-24	39° 1' 53.872" N	77° 23' 19.889" W	0.28 (Includes offsite drainage)	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Asphalt, Lawn	6/2/2022	No IDDE
NVCC-LO-25	39° 1' 58.459" N	77° 23' 25.443" W	8.04	Unnamed Tributary of Potomac River	Not Assessed	20700080904	Chesapeake Bay	Nitrogen, Phosphorus, Total Suspended Solids	Lawn	6/2/2022	No IDDE

Woodbridge Campus

Outfall ID	Latitude	Longitude	Area Draining to Outfall (Acres)	Receiving Water	Receiving Water Impaired (2016 303(d)/305(b))	12-Digit HUC	Applicable TMDL(s)	TMDL Pollutants	Predominant Land Use to Impaired Water	Date of Last Screening	Summary of Screening Results
NVCC-WO-1	38° 36' 54.770" N	77° 17' 40.757" W	1.79	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Sidewalk	6/7/2022	No IDDE
NVCC-WO-2	38° 36' 56.365" N	77° 17' 36.158" W	6.3	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-3*	38° 36' 57.205" N	77° 17' 30.543" W	4.05	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Forest	6/7/2022	No IDDE
NVCC-WO-4*	38° 36' 59.424" N	77° 17' 28.686" W	9.56	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Forest	6/7/2022	No IDDE
NVCC-WO-5	38° 37' 5.438" N	77° 17' 31.257" W	11.31	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-WO-6	38° 37' 5.421" N	77° 17' 38.760" W	0.13	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-WO-7	38° 37' 5.643" N	77° 17' 38.729" W	0.02	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-WO-8	38° 37' 5.903" N	77° 17' 38.693" W	0.35	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-WO-9	38° 37' 6.998" N	77° 17' 38.450" W	0.26	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-WO-10	38° 37' 7.614" N	77° 17' 38.310" W	0.19	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn, Sidewalk, Buildings	6/7/2022	No IDDE
NVCC-WO-11	38° 37' 7.924" N	77° 17' 38.268" W	0.6	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-12	38° 37' 9.094" N	77° 17' 39.181" W	0.22	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Lawn	6/7/2022	No IDDE

Outfall ID	Latitude	Longitude	Area Draining to Outfall (Acres)	Receiving Water	Receiving Water Impaired (2016 303(d)/305(b))	12-Digit HUC	Applicable TMDL(s)	TMDL Pollutants	Predominant Land Use to Impaired Water	Date of Last Screening	Summary of Screening Results
NVCC-WO-13	38° 37' 9.990" N	77° 17' 39.342" W	2.42	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-14	38° 37' 11.226" N	77° 17' 39.394" W	0.57	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-15	38° 37' 13.858" N	77° 17' 38.360" W	0.61	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-16	38° 37' 15.659" N	77° 17' 37.009" W	2.12	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-17	38° 37' 17.786" N	77° 17' 36.417" W	0.04	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-18	38° 37' 18.982" N	77° 17' 35.807" W	2.29	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk	6/7/2022	No IDDE
NVCC-WO-19	38° 37' 21.419" N	77° 17' 35.359" W	2.55 (Offsite drainage not included)	Unnamed Tributary of Neabsco Creek	Not Assessed	20700100804	Chesapeake Bay, Neabsco Creek Watershed (4/28/2009)	Nitrogen, Phosphorus, Total Suspended Solids, E. coli	Asphalt, Lawn, Sidewalk, Buildings	6/7/2022	No IDDE

Note: *VDOT owned.

Appendix C - BMP 4.1 & BMP 4.3 VCCS Annual Standards and Specifications DEQ Approval Letter

Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

1111 E. Main Street, Suite 1400, Richmond, Virginia 23219
P.O. Box 1105, Richmond, Virginia 23218
(800) 592-5482 FAX (804) 698-4178
www.deq.virginia.gov

Matthew J. Strickler
Secretary of Natural and Historic Resources

David K. Paylor
Director
(804) 698-4000

August 20, 2021

Mr. Robert Jones, RA, CBO, VCCO
Associate Vice Chancellor for Facilities Management Services
Arboretum III -300 Arboretum Place, 2nd Floor, Suite 200
Richmond, Virginia 23236

Transmitted electronically: bjones@vccs.edu

Subject: Virginia Community College System – Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management (AS&S for ESC and SWM)

Dear Mr. Jones:

The Virginia Department of Environmental Quality ("DEQ") hereby approves the Annual Standards and Specifications for Erosion & Sediment Control and Stormwater Management for Virginia Community College System (VCCS) dated 3/12/2021. This coverage is effective from August 20, 2021 through August 19, 2022.

To ensure compliance with approved specifications, the Virginia Erosion and Sediment Control Law and the Virginia Stormwater Management Act, DEQ staff will conduct random site inspections, respond to complaints, and provide on-site technical assistance with specific erosion and sediment control and stormwater management measures and plan implementation.

Please note that your approved Annual Standards and Specifications include the following requirements:

1. Variance, exception, and deviation requests must be submitted separately from this Annual Standards and Specifications submission to DEQ. DEQ may require project-specific plans associated with requests to be submitted for review and approval.

2. The following information must be submitted to DEQ for each project at least two weeks in advance of the commencement of regulated land-disturbing activities. Notifications shall be sent by email to: StandardsandSpecs@deq.virginia.gov
   - i: Project name or project number;
   - ii: Project location (including nearest intersection, latitude and longitude, access point);
   - iii: On-site project manager name and contact info;

iv: Responsible Land Disturber (RLD) name and contact info;
v: Project description;
vi: Acreage of disturbance for project;
vii: Project start and finish date; and
viii: Any variances/exceptions/waivers associated with this project.

3. Project tracking of all regulated land disturbing activities (LDA) must be submitted to the DEQ on a bi-annual basis. Project tracking records shall contain the same information as required in the two week e-notifications for each regulated LDA.

4. Erosion & Sediment Control and Stormwater Management plans must be reviewed by DEQ-Certified Plan Reviewers. VCCS as the AS&S holder, retains the authority to approve plans and must do so in writing. Should an AS&S holder contract out to a third party to fulfill the Plan Reviewer certification, this certified Plan Reviewer may recommend approval of the plan but final approval must come from the AS&S holder.

To ensure an efficient information exchange and response to inquiries, the DEQ Central Office is your primary point of contact. Central Office staff will coordinate with our Regional Office staff as appropriate.

Please contact Nathan Crowther at 804-698-4585 or nathaniel.crowther@deq.virginia.gov if you have any questions about this letter.

Thank you very much for your submission and continued efforts to conserve and protect Virginia's precious natural resources.

Sincerely,

Erin Ervin Belt

Erin Ervin Belt, Manager
Office of Stormwater Management

Case Decision Information:
As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Appendix D - BMP 5.2 SWM Facility Tracking Database

Northern Virginia Community College Stormwater Facility Inventory 2021 - 2022

Alexandria Campus

Facility #	Latitude	Longitude	Type of Facility	Total Acres Treated	Pervious Area	Impervious Area	Date Facility Brought Online	Used for Chesapeake Bay TMDL Reductions	12-Digit HUC	Receiving Water	Direct Discharge to an Impaired Receiving Water (2016 303(d)/305(b))	Publicly or Privately Owned?	Does a Maintenance Agreement Exist?	Date of last Inspection
NVCC-SWM-AL-1	38°50'24.2"N	77°06'52.3"W	Bioretention	0.66	0.17	0.49	2010	Yes	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-2	38°50'23.9"N	77°06'52.9"W	Manufactured Detention Structure	0.66	0.17	0.49	2008	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-3	38°50'22.9"N	77°06'51.7"W	Bioretention	1.17	0.2983	0.8717	2017	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-4	38°50'24.5"N	77°06'49.3"W	Bioretention	0.4028	0.1292	0.2736	2017	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-5	38°50'21.8"N	77°06'50.7"W	Infiltration	0.0277	0.0069	0.0208	2017	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-6	38°50'21.5"N	77°06'50.0"W	Infiltration	0.0427	0.0137	0.0290	2017	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-7	38°50'21.6"N	77°06'48.5"W	Infiltration	0.0467	0.0149	0.0318	2017	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-8	38°50'22.1"N	77°06'47.8"W	Infiltration	0.0344	0.0	0.0344	2017	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-9	38°50'22.1"N	77°06'39.0"W	Dry Detention	3.3	2.3	1.0	2001	No	20700100301	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-AL-10	38°50'27.81"N	77°06'50.28"W	Bioretention	0.99	0.72	0.27	2019	No	20700100302	Unnamed Tributary of Lucky Run	Not Assessed	Public	N/A	6/1/2022

Annandale Campus

Facility #	Latitude	Longitude	Type of Facility	Total Acres Treated	Pervious Area	Impervious Area	Date Facility Brought Online	Used for Chesapeake Bay TMDL Reductions	12-Digit HUC	Receiving Water	Direct Discharge to an Impaired Receiving Water (2016 303(d)/305(b))	Publicly or Privately Owned	Does a Maintenance Agreement Exist?	Date of last Inspection
NVCC-SWM-AN-1	38°50'07.0"N	77°14'01.9"W	Dry Detention	22.8	15.9	6.9	1984	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-2	38°50'07.7"N	77°14'09.5"W	Retention	19.5	13.9	5.6	1971	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-3	38°50'10.2"N	77°14'15.2"W	Manufactured Fiter "Stormfilter"	1.4	0.15	1.25	2015	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-4	38°50'10.6"N	77°14'15.7"W	Bioretention	0.11	0.03	0.08	2015	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-5	38°50'11.0"N	77°14'18.3"W	Bioretention	0.04	0.02	0.02	2015	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-6	38°50'10.4"N	77°14'19.1"W	Manufactured Filter "Filterra"	0.08	0	0.08	2015	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-7	38°50'10.2"N	77°14'19.2"W	Manufactured Filter "Filterra"	0.08	0	0.08	2015	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-8	38°50'11.0"N	77°14'18.3"W	Bioretention	0.54	0.07	0.47	2015	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-9	38°49'58.5"N	77°14'18.1"W	Retention	1.6	0.4	1.2	2005	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-10	38°49'57.5"N	77°14'13.0"W	Dry Detention	6.5	3.2	3.3	1990	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-11	38°49'57.0"N	77°14'09.5"W	Dry Detention	1.1	0.7	0.4	1997	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-12	38°49'57.1"N	77°14'06.1"W	Bioretention	0.49	0.04	0.45	2011	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022
NVCC-SWM-AN-13	38°49'58.8"N	77°14'05.4"W	Infiltration	0.3	0	0.3	2011	No	20700100402	Unnamed Tributary of Accotink Creek	Not Assessed	Public	N/A	6/7/2022

Loudoun Campus

Facility #	Latitude	Longitude	Type of Facility	Total Acres Treated	Pervious Area	Impervious Area	Date Facility Brought Online	Used for Chesapeake Bay TMDL Reductions	12-Digit HUC	Receiving Water	Direct Discharge to an Impaired Receiving Water (2016 303(d)/305(b))	Publicly or Privately Owned	Does a Maintenance Agreement Exist?	Date of last Inspection
NVCC-SWM-LO-1	39°01'39.8"N	77°23'31.7"W	Retention	13.82	8.69	5.13	2011	Yes	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-2	39°01'44.3"N	77°23'37.5"W	Retention	27.10	18.46	8.64	Pre-1975	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-3	39°01'38.1"N	77°23'32.6"W	Bioretention	0.176	0.071	0.105	2015	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-4	39°01'38.5"N	77°23'34.1"W	Vegetated Roof	0.24	0.12	0.12	2015	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-5	39°01'48.5"N	77°23'23.7"W	Manufactured Filter "Filterra"	0.37	0.03	0.34	2011	Yes	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-6	39°01'49.4"N	77°23'25.5"W	Bioretention	1.3	0.2	1.1	2011	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-7	39°01'49.8"N	77°23'27.3"W	Bioretention	1.12	0.23	0.89	2011	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-8	39°01'49.9"N	77°23'29.1"W	Detention	5.43	2.07	3.36	2011	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-9	39°01'47.6"N	77°23'36.8"W	Bioretention	1.93	0.97	0.96	2006	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-10	39°01'49.6"N	77°23'38.4"W	Bioretention	0.49	0.35	0.14	2009	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-11	39°01'47.9"N	77°23'40.3"W	Detention	4.72	2.852	1.868	2006	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022
NVCC-SWM-LO-12	39°01'47.17"N	77°23'39.26"W	Permeable Pavement	0.01	0.010	0	2012	No	20700080904	Unnamed Tributary of Potomac River	Not Assessed	Public	N/A	6/2/2022

Woodbridge Campus

Facility #	Latitude	Longitude	Type of Facility	Total Acres Treated	Pervious Area	Impervious Area	Date Facility Brought Online	Used for Chesapeake Bay TMDL Reductions	12-Digit HUC	Receiving Water	Direct Discharge to an Impaired Receiving Water (2016 303(d)/305(b))	Publicly or Privately Owned	Does a Maintenance Agreement Exist?	Date of last Inspection
NVCC-SWM-WO-1	38°36'55.3"N	77°17'45.2"W	Detention	3.67	0.89	2.78	2015	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-2	38°36'57.4"N	77°17'36.5"W	Manufactured Detention "StormChamber"	3.3	1.40	1.9	2013	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-3*	38°36'58.0"N	77°17'33.6"W	Bioretention	0.1	0.01	0.09	2012	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-4*	38°37'02.5"N	77°17'30.7"W	Manufactured Detention "StormChamber"	2.2	1.40	0.8	2013	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-5	38°37'06.3"N	77°17'41.4"W	Retention	34.7	23.80	10.9	Pre-1988	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-6	38°37'04.5"N	77°17'38.1"W	Permeable Pavement	0.3	0.00	0.3	2012	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-7	38°37'05.6"N	77°17'37.7"W	Rainwater Harvesting	1.0	0.0	1.0	2012	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-8	38°37'04.3"N	77°17'37.5"W	Vegetated Roof (Rear)	0.3	0.00	0.3	2012	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-9	38°37'04.6"N	77°17'34.8"W	Vegetated Roof (Front)	0.4	0.00	0.4	2012	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-10	38°37'08.0"N	77°17'32.3"W	Manufactured Filter "Stormfilter"	0.23	0.00	0.23	2008	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-11	38°37'17.5"N	77°17'31.3"W	Manufactured Hydrodynamic "Continuous Deflective Separator"	0.91	0.00	0.91	2016	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-12	38°37'17.4"N	77°17'31.6"W	Rainwater Harvesting	0.79	0.00	0.79	2016	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022
NVCC-SWM-WO-13	38°37'19.2"N	77°17'32.1"W	Permeable Pavement	1.67	0.02	1.65	2016	No	20700100804	Unnamed Tributary of Neabsco Creek	Not Assessed	Public	N/A	6/1/2022