Central Virginia Community College

*Where your future begins*

Lynchburg, Virginia

# Municipal Separate Storm Sewer System Annual Report

For

General Permit No. VAR040118

Permit Year

July 1, 2020 through June 30, 2021

This annual report is submitted in accordance with 9VAC25-890-40 as part of the requirement for permit coverage to discharge stormwater to surface waters of the Commonwealth of Virginia consistent with the VAR04 General Permit effective per letter dated November 1, 2018.

Submitted: September 30, 2021

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## APPENDICES

# TABLES



# ACRONYMS

| | |
|---|---|
| BMP | Best Management Practices |
| DEQ | Virginia Department of Environmental Quality |
| MCM | Minimum Control Measure |
| MS4 | Municipal Separate Storm Sewer System |
| POC | Pollutants of Concern |
| SWPPP | Stormwater Pollution Prevention Plan |
| TMDL | Total Maximum Daily Load |
| VCCS | Virginia Community College System |
| VPDES | Virginia Pollution Discharge Elimination System |
| WLA | Wasteload Allocation |

# 1.0 GENERAL ANNUAL REPORTING REQUIREMENTS

## 1.1. General Information (Part I.D.2.a)

Permitee Name: Central Virginia Community College

System Name: Virginia Community College System

Permit Number: VAR040118

## 1.2. Reporting Period (Part I.D.2.b)

The reporting period for which the annual report is being submitted:

July 1, 2020 through June 30, 2021

## 1.3. Signed Certification (Part I.D.2.c)

A signed certification as per Part III K:

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

Printed Name: Lewis Bryant

Title: Vice President of Financial and Administrative Services

Signature: Lew A Bryant Date: 9-23-21

## 1.4. Reporting for MCMs #1 - #6 (Part I.D.2.d)

Include information for each annual reporting item specified in Part I.E:

Reporting information for each Minimum Control Measure is provided in Section 2.0.

## 1.5. Evaluation of the MS4 Program Implementation (Part I.D.2.e)

An evaluation of the MS4 program implementation, including a review of each MCM to determine the MS4 program's effectiveness and whether changes to the MS4 Program Plan are necessary:

An evaluation for each Minimum Control Measure is provided in Section 2.0. Changes that are necessary to be made to the MS4 Program Plan are summarized in Table 1.

| Table 1: Summary of MS4 Program Plan Changes |
| --- |
| None |

# 2.0 MINIMUM CONTROL MEASURES

## 2.1. MCM #1: Public Education and Outreach

### 2.1.1. High Priority Stormwater Issues (Part I.E.1.g(1))

A list of high-priority stormwater issues addressed in the public education and outreach program:

A list of high-priority stormwater issues addressed in public education and outreach program is provided in Table 2.

### 2.1.2. High Priority Stormwater Issue Communication Strategies (Part I.E. 1.g(2))

A list of strategies used to communicate each high-priority stormwater issue:

A list of strategies used to communicate each high-priority stormwater issue is provided in Table 2. Appendix A includes documentation of the communication efforts in Table 2.

Table 2: High Priority Stormwater Issues

| # | Stormwater Issue | Strategy | Communication | Metric | Beneficial |
|---|---|---|---|---|---|
| 1 | Public Education on Stormwater Runoff | Traditional written materials | Brochure distributed via email | Approx. 4,450 faculty, students and staff | ☒ Yes ☐ No |
| 2 | Public Education on TMDLs and Local Impaired Waters | Media materials | Graphic media placed on TV monitors in public frequented areas | Approx. 850 faculty, students and staff | ☒ Yes ☐ No |
| 3 | Public Education on Pollution Prevention from Public Activities | Traditional written materials | Posters placed on bulletin boards in public frequented areas | 24 Posters hung | ☒ Yes ☐ No |

### 2.1.3. MCM #1 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #1 measurable goals completed in accordance with the MS4 Program Plan?
☒ Yes ☐ No ( )

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

## 2.2. MCM #2: Public Involvement and Participation

### 2.2.1. Public Input Summary (Part I.E.2.f(1))

A summary of any public input on the MS4 program received (including stormwater complaints) and responses:

Were any MS4 Program inputs or stormwater complaints received from the public?
☐ Yes ☒ No

If yes, were responses provided? ☐ Yes ☐ No

### 2.2.2. MS4 Program Webpage (Part I.E.2.f(2))

A webpage address to the MS4 program and stormwater website:

The webpage address is https://www.centralvirginia.edu/facilities-management

### 2.2.3. Public Involvement Activities Implemented (Part I.E.2.f(3))

A description of the public involvement activities implemented:

A description of the implemented public involvement activities is provided in Table 4.

### 2.2.4. Public Involvement Activity Metric and Evaluation (Part I.E.2.f(4))

A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality:

A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality is provided in Table 3. Appendix B includes documentation of the public involvement activities.

Table 3: Public Involvement Activities Implemented

| # | Activity Description/Date | Category | Metric | Collaboration | Beneficial |
|---|---|---|---|---|---|
| 1 | Art Contest for TMDL Signage - 5/12/2021 | Pollution Prevention | 0 Participants | No | ☒ Yes* ☐ No |
| 2 | MS4 Zoom Presentation w/ Q&A - 5/6/2021 | Educational | 23 Participants | No | ☒ Yes ☐ No |
| 3 | Videos on website 4/29/2021 | Educational | 70 Views | No | ☒ Yes ☐ No |
| 4 | MS4 Presentation to Janitorial Company & Poster Installation in Cleaning Closets - 6/19/2021 | Educational | 16 Posters, 10 Participants | No | ☒ Yes ☐ No |

* Although no one participated in the spring semester groundhog art contest, CVCC believes the contest is worth additional attempts in future semesters.

### 2.2.5. MS4 Collaboration (Part I.E.2.f(5))

The name of other MS4 permittees collaborated with in the public involvement opportunities:

If applicable, the name of other MS4 permittees collaborated with for any of the public involvement opportunities are provided in Table 3.

### 2.2.6. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 4.

Table 4: MS4 Program Plan BMP Measurable Goals for MCM #2

| BMP | Measurable Goal | Completeness Status |
|---|---|---|
| 2.1 | Was documentation of the public input or complaints on the MS4 program and MS4 Program Plan maintained? | ☐ Yes<br>☐ No<br>☒ Not Applicable (No comments received) |
| 2.1 | Is the effective MS4 permit and coverage letter on the webpage? | ☒ Yes<br>☐ No |
| 2.1 | Is the most current MS4 Program Plan on the webpage? | ☒ Yes<br>☐ No |
| 2.1 | Is the annual report for each year of the term covered by this permit no later than 30 days after submittal to the department on the webpage? | ☒ Yes<br>☐ No<br>☐ Not Applicable (First permit year) |
| 2.1 | Is there 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 on the webpage? | ☒ Yes<br>☐ No |
| 2.1 | Is there a method for how the public can provide input of the MS4 Program Plan on the webpage? | ☒ Yes<br>☐ No |
| 2.1 | Is the latest Virginia Community College System Annual Standards and Specifications on the webpage? | ☒ Yes<br>☐ No |

### 2.2.7. MCM #2 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #2 measurable goals completed in accordance with the MS4 Program Plan?
☒ Yes ☐ No ( )

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

## 2.3. MCM #3: Illicit Discharge Detection and Elimination

### 2.3.1. MS4 Map and Information Table (Part I.E.3.e(1))

A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year:

Were the MS4 storm sewer map and outfall information table updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year?

☒ Yes ☐ No ( ) ☐ Not Applicable (No changes required)

### 2.3.2. Dry Weather Screening (Part I.E.3.e(2))

The total number of outfalls screened during the reporting period as part of the dry weather screening program:

Were outfalls screened during the reporting period? ☒ Yes ☐ No ( )

The number of outfalls screened during the reporting yard as part of the dry weather screening program is 16. This represents 100% of the total outfalls.

### 2.3.3. Illicit Discharges (Part I.E.3.e(3))

A list of illicit discharges to the MS4 including spills reaching the MS4:

Were there any illicit discharges to the MS4 including spills reaching the MS4?

☐ Yes (Refer to Table 5) ☒ No

| Table 5: Illicit Discharges |
|---|
| Illicit Discharge Not Applicable |
| Part I.E.3.e(3)(a) Source: |
| Part I.E.3.e(3)(b) Date Observed & Date Reported: |
| Part I.E.3.e(3)(c) Detected during Screening, Reported by Public or Other (Describe): |
| Part I.E.3.e(3)(d) Investigation Resolution: |
| Part I.E.3.e(3)(e) Description of Follow-up Activities: |
| Part I.E.3.e(3)(f) Date Investigation Closed: |

### 2.3.4. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 6.

| Table 6: MS4 Program Plan BMP Measurable Goals for MCM #3 | | |
|---|---|---|
| **BMP** | **Measurable Goal** | **Completeness Status** |
| 3.1 | Was a GIS compatible shapefile submitted to DEQ? | Completed |
| 3.1 | Was written notification provided to any downstream adjacent MS4 of any known interconnection established or discovered during the permit reporting year? | ☐ Yes<br>☒ Not Applicable (No new or discovered)<br>☐ No |
| 3.2 | Did all students, faculty and staff have access to the Standards of Conduct for Employees and the Student Handbook for Students? | ☒ Yes<br>☐ No |
| 3.3 | Were illicit discharge detection and elimination procedures implemented, enforced and documentation maintained? | ☒ Yes<br>☐ No |

### 2.3.5. MCM #3 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #3 measurable goals completed in accordance with the MS4 Program Plan?
☒ Yes ☐ No ( )

Are the MS4 Program measurable goals effective?
☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

## 2.4. MCM #4: Construction Site Stormwater Runoff Control

### 2.4.1. Implementation of Standards and Specifications (Part I.E.4.a(3))

The MS4 implements a construction site stormwater runoff program in accordance with the most recent DEQ approved Standards and Specifications in compliance with the Virginia Erosion and Sediment Control Law and Virginia Erosion and Sediment Control Regulations.

#### 2.4.1.1. Conforming Land Disturbance Projects (Part I.E.4.d(1)(a))

A confirmation statement that land disturbing projects that occurred during the reporting period have been conducted in accordance with the current department approved standards and specifications for erosion and sediment control:

Were all land disturbing projects that occurred during the reporting period conducted in accordance with the current department approved standards and specifications for erosion and sediment control?

☒ Yes ☐ No (Refer to Table 7) ☐ Not Applicable (No land disturbing projects)

#### 2.4.1.2. Non-Conforming Land Disturbance Projects (Part I.E.4.d(1)(b))

If one or more of the land disturbing projects were not conducted with the department standards and specifications, an explanation as to why the projects did not conform to the approved standards and specifications:

An explanation as to why a project did not conform to the approved standards and specifications are provided in Table 7.

| Table 7: Project(s) Not in Conformance with Approved Standards and Specifications |
|---|
| Project Name: Not Applicable<br>Explanation: |

### 2.4.2. Site Stormwater Runoff Inspections (Part I.E.4.d(2))

Total number of inspections conducted:

The total number of site stormwater runoff inspections conducted for regulated land disturbance activities in accordance with the most recent DEQ approved Standards and Specifications are provided in Table 8.

### 2.4.3. Enforcement Actions (Part I.E.4.d(3))

The total number and type of enforcement actions implemented:

The total number of enforcement actions implemented, Notices to Comply issued, and Stop Work Orders issued by CVCC to the contractor are provided in Table 8.

Table 8: Construction Project(s)

| Project Name(s) | Total Inspections | Total Notices to Comply | Total Stop Work Orders | Total Enforcement Actions |
|---|---|---|---|---|
| Detention Basin Maintenance Project #NP292-007 | 12 | 1 | 0 | 1 |

### 2.4.4. MCM #4 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #4 measurable goals completed in accordance with the MS4 Program Plan?
☒ Yes ☐ No ( )

Are the MS4 Program measurable goals effective?
☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

## 2.5. MCM #5: Post-Construction Stormwater Management

### 2.5.1. Implementation of Standards and Specifications (Part I.E.5.a(3))

The MS4 implements the most recent DEQ approved standards and specifications and a stormwater management facility inspection and maintenance program in accordance with Part I.E.5.b.

### 2.5.2. Stormwater Management Facility Inspections (Part I.E.5.i(2))

Total number of inspections conducted on stormwater management facilities owned or operated by the permittee:

Were inspections conducted on stormwater management facilities during the reporting year? ☒ Yes ☐ No

The total number of inspections conducted on stormwater management facilities are 2.

### 2.5.3. Stormwater Management Facility Maintenance (Part I.E.5.i(3))

A description of significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee to ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection:

Were significant maintenance, repair, or retrofit activities performed on any stormwater management (SWM) facilities during the reporting year?
☒ Yes ☐ No ( )

If yes, a description of significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the MS4 to ensure it continues to perform as designed is provided in Table 9.

Table 9: Maintenance Activities Performed on Stormwater Management Facilities

| Stormwater Management Facility | Significant Maintenance Activity |
|---|---|
| SWM 1 | Trees removed from embankment. |

**2.5.4. Virginia Construction Stormwater General Permit Database (Part I.E.5.i(4))**

A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with Part I E 5 f or a statement that the Permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater form Construction Activities:

Stormwater management facility information for stormwater facilities installed after July 1, 2014 was submitted through the Virginia Construction Stormwater General Permit database for land disturbing activities requiring a General VPDES Permit for Discharges of Stormwater from Construction Activities?

☒ Not Applicable (Not a VSMP authority)

**2.5.5. DEQ BMP Warehouse (Part I.E.5.i(5))**

A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part I E 5 g and the date on which the information was submitted:

No later than October 1 of each year, stormwater management facilities and BMPs implemented to meet a TMDL load reduction between July 1 and June 30 of each year were electronically reported using the DEQ BMP Warehouse for any practices not reported in accordance with Part I.E.5.f (requirement 2.5.4) including stormwater management facilities from land disturbing activities less than one acre in accordance with the Chesapeake Bay Preservation Act regulations and for which a General VPDES Permit for Discharges of Stormwater from Construction Activities was not required?

☐ Yes, Date Submitted: ☐ No ☒ Not Applicable (No qualifying structural SWM facilities constructed.)

### 2.5.6. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 10.

Table 10: MS4 Program Plan BMP Measurable Goals for MCM #5

| BMP | Measurable Goal | Completeness Status |
|---|---|---|
| 5.1 | Was the post-construction stormwater management inspection and maintenance program implemented in accordance with approved standards and specifications? | ☒ Yes<br>☐ No |
| 5.2 | Was the stormwater management facility tracking database updated? | ☒ Yes<br>☐ No |

### 2.5.7. MCM #5 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #5 measurable goals completed in accordance with the MS4 Program Plan?
☒ Yes ☐ No ( )

Are the MS4 Program measurable goals effective?
☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

## 2.6. MCM #6: Pollution Prevention and Good Housekeeping

### 2.6.1. Operational Procedures (Part I.E.6.q(1))

A summary of any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period:

Were any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period?

☒ Yes (Refer to Table 11) ☐ No (No modifications required.)

| Table 11: Good Housekeeping Operational Procedures Developed or Modified |
|---|
| 1. Removed the name of the previous Facility Manager. |
| 2. Incorrect references were removed from BMP 6.4. |
| 3. Language was added concerning staff training. |

### 2.6.2. Newly Developed SWPPPs (Part I.E.6.q(2))

A summary of any new SWPPPs developed in accordance Part I E 6 c during the reporting period:

Were any new SWPPPs developed in accordance Part I E 6 c during the reporting period?

☐ Yes (Refer to Table 12) ☐ No ( ) ☒ Not Applicable (No new high priority facilities.)

| Table 12: New SWPPPs Developed | |
|---|---|
| **SWPPP Name** | **SWPPP Address** |
| Not Applicable | |

### 2.6.3. Modified or Delisted SWPPPs (Part I.E.6.q(3))

A summary of any SWPPPs modified in accordance with Part I E 6 f or the rationale of any high priority facilities delisted in accordance with Part I E 6 h during the reporting period:

Were any SWPPPs modified after any unauthorized discharge, release, or spill reported? ☐ Yes (Refer to Table 13) ☐ No ( ) ☒ Not Applicable (No IDDEs found warrenting modification; however, the SWPPP was otherwise modified. See Table 13.)

Were any high priority facilities delisted in accordance with Part I E 6 h during the reporting period? ☐ Yes (Refer to Table 13) ☒ No

If yes, rationale is provided for any high priority facilities delisted in accordance with Part I E 6 h during the reporting period in Table 13.

| Table 13: SWPPPs Modified or Delisted |
|---|
| **SWPPP Modification** |
| 1. New outfalls temporarily added. Field work to occur this permit year to verify new outfalls.<br>2. Stream information added to the map. |
| **Rationale for Delisting** |
| Not Applicable |

### 2.6.4. Newly Developed Nutrient Management Plans (Part I.E.6.q(4))

A summary of new turf and landscape nutrient management plans developed:

Were any new turf and landscape nutrient management plans developed? ☐ Yes (Refer to Table 14) ☐ No ( ) ☒ Not Applicable (Existing NMPs in place. No new NMP required this reporting year.)

#### 2.6.4.1. Nutrient Management Plan Acreage (Part I.E.6.q(4)(a))

The location and the total acreage of each land area:

If yes is checked above, the location and total acreage of the land area for any newly developed nutrient management plan is provided in Table 14.

#### 2.6.4.2. Nutrient Management Plan Approval Date (Part I.E.6.q(4)(b))

The date of the approved nutrient management plan:

If yes is checked above, the approval date of any newly developed nutrient management plan is provided in Table 14.

| Table 14: New Turf and Landscape Nutrient Management Plans | | |
|---|---|---|
| **Location** | **Total Acreages** | **Date Approved** |
| Not Applicable | | |

### 2.6.5. Training Events (Part I.E.6.q(5))

A list of the training events conducted in accordance with Part I.E.6.m, including the following information:

Was training conducted?

☒ Yes ☐ No ( ) ☐ Not Applicable (Not required this reporting year.)

If yes is checked above, a list of training events conducted in accordance with Part I.E.6.m is provided in Table 15.

#### 2.6.5.1. Training Dates (Part I.E.6.q(5)(a))

The date of the training event:

If yes is checked above, the date of the training event is provided in Table 15.

#### 2.6.5.2. Quantity Trained (Part I.E.6.q(5)(b))

The number of employees who attended the training event:

If yes is checked above, the number of employees who attended the training event is provided in Table 15.

#### 2.6.5.3. Training Objective (Part I.E.6.q(5)(c))

The objective of the training event:

If yes is checked above, the objective of the training event is provided in Table 15.

| Table 15: Training Events | | |
|---|---|---|
| **Date** | **# of Attendees** | **Training Objective** |
| 6/15/2021-6/24/2021 | 11 | Good Housekeeping Pollution Prevention, IDDE, TMDLs |

### 2.6.6. MS4 Program Plan BMP Measurable Goals

The MS4 Program Plan BMPs measurable goals are provided in Table 16.

Table 16: MS4 Program Plan BMP Measurable Goals for MCM #6

| BMP | Measurable Goal | Completeness Status |
|---|---|---|
| 6.1 | Was good housekeeping and pollution prevention biennial training conducted this reporting year? | ☒ Yes<br>☐ Not Applicable (Not required this reporting year.)<br>☐ No |
| 6.2 | Was the annual comprehensive compliance evaluation conducted? | ☒ Yes<br>☐ No |
| 6.2 | Was the SWPPP reviewed within 30 days after an unauthorized discharge, release or spill reported? | ☐ Yes<br>☒ Not Applicable (No discharges, releases or spills; therefore, not required.)<br>☐ No |
| 6.2 | Was the SWPPP updated within 90 days after an unauthorized discharge? | ☐ Yes<br>☒ Not Applicable (No discharges, releases or spills; therefore, not required.)<br>☐ No |
| 6.2 | Were the MS4's properties reviewed this reporting year to determine if the properties meet the criteria of a high priority facility? | ☐ Yes<br>☒ Not Applicable (MS4 campus is a high priority facility.)<br>☐ No |
| 6.3 | Was the nutrient management plan implemented through completion of application records? | ☒ Yes<br>☐ Not Applicable (No nutrients applied.)<br>☐ No |
| 6.4 | Were all signed contracts executed with contract good housekeeping and pollution prevention language? | ☒ Yes<br>☐ No |
| 6.5 | Did all signed contracts executed for pesticide and herbicide application maintain proof of certifications on file? | ☒ Yes<br>☐ Not Applicable (No contracts executed)<br>☐ No |
| 6.6 | Did training occur and were proof of certifications maintained on file for employees performing pesticide and herbicide applications? | ☐ Yes<br>☒ Not Applicable (No employees applied pesticides/herbicides.)<br>☐ No |

### 2.6.7. MCM #6 Evaluation (Part I.D.2.e)

Review the MCM to determine the MS4 Program's effectiveness and whether or not changes to the MS4 Program Plan are necessary:

Were all MCM #6 measurable goals completed in accordance with the MS4 Program Plan?

☒ Yes ☐ No (  )

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

# 3.0 TMDL SPECIAL CONDITIONS

## 3.1. Chesapeake Bay TMDL Action Plan

### 3.1.1. BMPs Implemented and Estimated POC Reductions (Part II.A.13.a)

A list of BMPs implemented during the reporting period but not reported to the DEQ BMP Warehouse in accordance with Part I E 5 g and the estimated reduction of pollutants of concern achieved by each and reported in pounds per year:

Were any BMPs implemented during the reporting period but not reported to the DEQ BMP Warehouse in accordance with Part I.E.5.g?

☒ Yes (Refer to Table 17) ☐ No ( )

The estimated reduction of pollutants of concern achieved by each BMP reported in pounds per year is provided in Table 17.

| Table 17: Chesapeake Bay TMDL Action Plan POC Reductions | | | |
|---|---|---|---|
| **BMP #1: Street Sweeping Using the Mass Loading Approach** | | | |
| Required pounds of material swept | 743 lbs. | | |
| Provided pounds of material swept | 2,080 lbs. | | |
| | TN (lbs./yr.) | TP (lbs./yr.) | TSS (lbs./yr.) |
| Required 5% Reduction (lbs.) = | 1.30 | .33 | 149.02 |
| Provided Reduction (lbs.) = | 3.64 | 1.46 | 436.80 |
| Future Required 40% Reduction (lbs.) = | 10.4 | 2.64 | 1,192.16 |
| % Achieved towards 40% (%) = | 35 | 55 | 36 |

### 3.1.2. Nutrient Credits (Part II.A.13.b)

If the permitee acquired credits during the reporting period to meet all or a portion of the required reductions in Part II A 3, A 4, or A 5, a statement that credits were acquired:

Were credits acquired during the reporting period to meet all or a portion of the required reductions in Part II A 3, A 4, or A 5? ☐ Yes ☒ No

### 3.1.3. POC Cumulative Reduction Progress (Part II.A.13.c)

The progress, using the final design efficiency of the BMPs, toward meeting the required cumulative reductions for total nitrogen, total phosphorus, and total suspended solids:

The progress, using the final design efficiency of the BMPs, toward meeting the required 40% reductions for total nitrogen, total phosphorus, and total suspended solids is provided in Table 18.

Table 18: 2019 – 2023 Chesapeake Bay TMDL Action Plan Implementation Schedule

| Step | General Description | Measurable Goal | Progress Status |
|---|---|---|---|
| 1 | 5% reduction requirement complete. Evaluate lbs. swept. | Completed tracking documentation? | ☒ Yes (July 2019)<br>☐ No |
| 2 | 5% reduction requirement complete. Make adjustments to frequency based on 2019 information obtained. | Completed tracking documentation with increase sweeping frequency? | ☒ Yes (July 2020)<br>☐ No |
| 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? | ☒ Yes (July 2021)<br>☐ No |
| 4 | Revise Action Plan based on the newly issued DEQ Guidance Memo No. GM-20-2003 (Appendix V.G). | 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. | Recorded results in Annual Report? | October 2023 |

### 3.1.4. Next Reporting Period Planned BMPs (Part II.A.13.d)

A list of BMPs that are planned to be implemented during the next reporting period:

BMPs that are planned to be implemented during the next reporting period is provided in Table 19.

| Table 19: Chesapeake Bay TMDL Action Plan BMPs Planned for the next reporting year |
|---|
| 1. Street Sweeping |

### 3.1.5. Chesapeake Bay TMDL Action Plan Measurable Goals

The Chesapeake Bay TMDL Action Plan measurable goals are provided in Table 20.

| Table 20: Chesapeake Bay TMDL Action Plan Measurable Goals | | |
|---|---|---|
| **#** | **Measurable Goal** | **Completeness Status** |
| 1 | Were public comments considered during the required 15-day comment period? | ☐ Yes<br>☒ Not Applicable (Not required this reporting year)<br>☐ No |
| 2 | Were cost effective BMPs selected to support model quantification to achieve the required pollutant reductions? | ☒ Yes<br>☐ Not Applicable (Not required this reporting year)<br>☐ No |
| 3 | Was the required pollutant reduction reached for this reporting year? | ☒ Yes<br>☐ No |

### 3.1.6. Chesapeake Bay TMDL Action Plan Implementation Evaluation (Part I.D.2.e)

Review the TMDL Special Condition to determine the Chesapeake Bay TMDL Action Plan's effectiveness and whether or not changes to the Chesapeake Bay TMDL Action Plan are necessary:

Were all measurable goals completed in accordance with the Chesapeake Bay TMDL Action Plan?

☒ Yes ☐ No (  )

Are the MS4 Program measurable goals effective?

☒ Yes (Effective) ☐ No (Ineffective, necessary changes to the MS4 Program are included in Section 1.5.)

## 3.2. Local TMDL Action Plan

### 3.2.1. James River-Lynchburg Bacteria TMDL Implementation (Part II.B.9)

A summary of actions conducted to implement each local TMDL action plan:

A summary of actions conducted to implement the James River Tidal Bacteria TMDL is provided in Table 21.

Table 21: James River Tidal E.coli TMDL Action Plan Summary of Actions

| BMP | Strategies | Method | Progress Status |
|---|---|---|---|
| 1 | Educate the public on how to reduce food sources accessible to urban wildlife and discourage the feeding of wildlife on campus. | Distribution of educational information | June 30, 2022 |
| 2 | Select at least one strategy from Table 1 and include in the MS4 Program Plan. | To be determined | June 30, 2023 |

Appendix A: Documentation of Public Education and Outreach Activities

High Priority Stormwater Issue #1

| | |
|---|---|
| **From:** | Rocha Jr., John |
| **To:** | Everyone |
| **Cc:** | Shelley Bains; Schrinel, Chris; Rilveria, Sara; Rocha Jr., John |
| **Subject:** | Central Virginia Community College MS4 Program Training Opportunity and more.. |
| **Date:** | Thursday, April 29, 2021 10:19:15 AM |
| **Attachments:** | CVCC PEOP.pdf<br>CVCC Stormwater Poster_Students-Faculty-College Staff.pdf |
| **Importance:** | High |

---

Good Morning!

To all CVCC Faculty, Students and Staff,

As summer rolls around, we want to remind everyone of CVCC'S commitment to keep our Stormwater systems clean and mention our MS4 Stormwater plan. By monitoring our stormwater drains here on campus, we can work together to cut down on the number of pollutants that enter our water streams. Unhealthy lakes, rivers, and streams hinder our abilities to enjoy, and see nature as we should. Not only does water pollution affect our recreational activities that we love such as swimming , boating, and fishing, but it also affects wildlife that depend on our water sources to survive. CVCC has implemented and is required to follow a plan for Stormwater Management here on Campus, and it can be found here at : https://centralvirginia.edu/Facilities-Management . I have attached a brochure that explains more about stormwater runoff, and how pollutants can lead to what is called an "Illicit Discharge" which can cause all kinds of problems.

There are several ways in which you can learn a little more about the MS4 program:

1. Take a moment and read the attached brochure about stormwater runoff and the effect it has on our environment.

2. You can go to our website @ http://centralvirginia.edu/Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos and watch several fun, short, Public Service Announcements that show a ***ducks view*** of how pollution affects our environment. The clips are very short, and we get credit for you watching them, so please go by and check them out!

3. ***There is a 30-minute Zoom Educational Training for Staff/Faculty and Students on May 6th, from 1-1:30pm to discuss MS4. The presentation itself will last about 20 minutes, with a 10-minute slot following for any questions that may come up. The presentation will be presented by Chris Schrinel, who is with Wetland Studies and Solutions Inc.**

**Here is the information for the Zoom Session:**

**Topic: CVCC's Stormwater Program Presentation and Discussion**
**Time: May 6, 2021 01:00 PM**

**Join Zoom Meeting**
**https://us02web.zoom.us/j/88513386128?pwd=cGxOaG1lbXI3SnlwOEhSRjF1alEyZz09**

**Meeting ID: 885 1338 6128**

**Passcode: 676694**

**One tap mobile**
**+13126266799,,88513386128#,,,,*676694#**

**Dial by your location**
**+1 312 626 6799**

There are several ways you can become more involved outside of the educational activities. Since people are now able to head out towards the lakes, rivers, and beaches, this is a perfect time to bring awareness to this cause. Help clean up our waterways. There are several volunteer opportunities where you can join others for a community cleanup day. Below you will find several websites to help you be aware of events happening near you, either now or in the future. *Please note that due to Covid-19, several events have been postponed and will be rescheduled on their website at another time.*

Here are some Volunteer Opportunity Websites for your consideration:

**Lynchburg Virginia – Love where you Live**
https://www.lynchburgva.gov/lovewhereyoulive
Annual Spring Cleanup
Each spring, the City of Lynchburg in partnership with Keep Lynchburg Beautiful hosts an annual spring cleanup. Citizens and volunteer groups are encouraged to meet at one central location in the city where they will be given cleanup supplies, a location or two to clean and refreshments.
** Due to the Covid-19 Pandemic, this event has been cancelled, watch their website for future updates**

**Chesapeake Bay Foundation**
https://www.cbf.org/events/clean-the-bay-day/
The 2021 event will last six days, Monday, May 31 to Saturday, June 5.They will be hosting the 33rd Annual Clean the Bay Day and look forward to your participation. We thank you for your interest and participation in this true Virginia tradition. To learn about ways you can improve water-quality and environmental awareness visit their website!

**James River**
https://jrac-va.org/
James River State Park – Paddlers and Walkers
751 Park Road, Gladstone, VA 24553
Volunteers will be cleaning trash from the river and shoreline between Bent Creek and the park, which is about a 6 1/2-mile stretch of the James. Canoes, life vests, paddles and a guide will be provided to volunteers. Please come planning to get wet! Volunteers will be in and out of the boats

to retrieve trash.
**This Event has been cancelled due to Covid-19,stay tuned to this website for future updates**

We take great pride in keeping our campus clean here at Central Virginia Community College. If you see something, let our Facilities Department know and we will address it. Visit our website for more information at https://centralvirginia.edu/Facilities-Management .

I do hope you will take time, watch the short clips, and join us for the short training session on May 6th. It will not take up much of your time, and we will get credit for your participation.

Thank-you ,have a Great Day,
John

John M. Rocha, Jr.
Facilities Director – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
**RochaJ@centralvirginia.edu**

## Stormwater Issues?

**Flooding**: Stormwater runoff from intense rainfall can at times exceed the carrying capacity of the stormwater pipe system, creating a backup in the system which can lead to the flooding of roads, yards and structures.

**Pollution**: When rain falls, stormwater flows across grass and impervious surfaces such as sidewalks, driveways, parking lots, rooftops and roads. It mobilizes contaminants such as animal waste, chemicals, pesticides, trash and sediment. These contaminants are then transported downstream to streams, rivers and ultimately the ocean.

**Water quality**: Stormwater runoff is a leading cause of nutrient contamination, predominately responsible for algae blooms and low oxygen levels, which can result in fish kills and elimination of native vegetation.

**Soil erosion**: Uncontrolled stormwater rapidly increases the amount of water flowing into a stream, which can wash away stream banks and over time, cut streambeds down deeper to bedrock.

## CVCC's Stormwater Program

The U.S. Environmental Protection Agency (EPA) and the Virginia Department of Environmental Quality (DEQ) regulate stormwater and require most localities to implement and maintain a comprehensive stormwater management program. CVCC has a Municipal Separate Storm Sewer System (MS4) permit, which further obligates the college to manage their stormwater runoff and achieve an allocation of pollutant reductions. CVCC is required to meet specific pollutant TMDL (total maximum daily load) reductions for nitrogen, phosphorus, sediment, and E. coli. CVCC is working to implement measures that improve water quality in its waterways. Some of these measures include:

- Street sweeping to help prevent debris and sediment from being washed into the storm system and waterways
- Storm drain inspections to screen for illicit discharges
- Employee and public education on pollutants in stormwater runoff to help determine pollutant sources and increase public awareness.

Central Virginia Community College
FACILITIES MANAGEMENT

Please visit CVCC's "Facilities Management" web page to find more detailed information or contact the Director of Facilities at 434.825.7736 or facilities@centralvirginia.edu.

**CentralVirginia.edu/Facilities-Management**



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# Stormwater Runoff Impacts

Please visit CVCC's "Facilities Management" web page to find more detailed information or contact the Director of Facilities at 434.825.7736 or facilities@centralvirginia.edu.

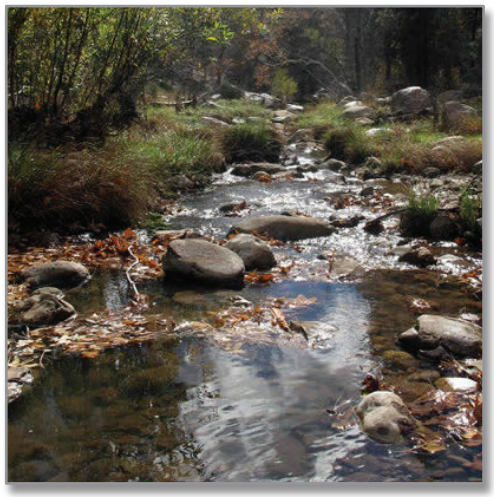
**CentralVirginia.edu/Facilities-Management**

## What Is Stormwater Runoff?

Stormwater runoff is precipitation such as rain or snow that does not soak into the ground. Impervious surfaces such as driveways, parking lots, roofs, sidewalks and roads prevent stormwater runoff from naturally soaking into the ground. Stormwater runoff flows over vegetated areas and impervious surfaces into the storm sewer system and ultimately a natural waterway.

## Why is Stormwater Important?

As stormwater runoff flows over vegetated areas and impervious surfaces, it picks up pollutants such as pesticides, pet waste, oil and debris along the way. These pollutants are then carried through the storm sewer system and discharged to natural waterways. Urban stormwater runoff is the number one source of surface water pollution in the United States, causing public safety hazards, health risks and environmental threats.



## What is an Illicit Discharge?

Any substance other than stormwater that enters the storm sewer system or receiving waters is considered an illicit discharge. Many illicit discharge sources originate from maintenance facilities or construction sites, such as vehicle maintenance areas or equipment washout bays. Daily activities at these sites, specific spill incidents, or illegal dumping can result in illicit discharges. Examples of source pollutants include automotive fluids, paints, solvents, pesticides and herbicides, sediment, and trash.

Exceptions are made for non-stormwater discharges that do no significantly contribute pollutants to the storm sewer system, including fire-fighting activities, water line flushing, and landscape or lawn irrigation. These discharges may flow into the storm sewer or waterway without consequence.

Illicit discharges are significant due to the threat stormwater pollution poses to public safety, public health, and the environment. Due to the importance of reducing and preventing stormwater pollution, illicit discharges, potential sources for illicit discharges, and illegal dumping should be reported to the locality immediately so that appropriate corrective actions can be taken. Corrective and/or legal actions are taken as necessary.

## How Can I Report an Illicit Discharge?

If you see an illicit discharge, a potential source for an illicit discharge, or witness illegal dumping, you should contact the Director of Facilities.

## How Can I Help Reduce Stormwater Pollution?

- Pick up and properly dispose of pet waste
- Appropriately clean up vehicle fluid leaks and spills
- Properly dispose of hazardous substances such as automotive oil, cooking oil, paint, cleaners, etc.
- Exercise caution when using pesticides, herbicides, and fertilizers
- Report illicit discharges, potential illicit discharge sources, and any illegal dumping

High Priority Stormwater Issue #2

## Rocha Jr., John

**From:** Rocha Jr., John
**Sent:** Wednesday, February 17, 2021 9:04 AM
**To:** McDaniel, Deanne
**Cc:** Rocha Jr., John; Perez, William
**Subject:** FW: MS4 Slide Presentations
**Attachments:** CVCC_Stormwater Slides_CCTV.pptx

**Importance:** High

Good Morning Deanne,

It's time to start planning on changing the slides on the tv monitors for the upcoming Spring season. I have attached the slides and the chart that shows which ones are supposed to go up to replace the previous ones.

Group 2: Slides: Summer 2020, Spring 2021, Fall 2022

- 4: Stormwater Regulations
- 5: TMDL definition
- 6: Ches Bay TMDL
- 7: Local Impaired Waterways

Please let me know if you can do them or will turn to Will for assistance, and when this is complete.

Thank-you,
John

John M. Rocha, Jr.
Facilities Manager – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
**RochaJ@centralvirginia.edu**

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**From:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Sent:** Monday, September 21, 2020 12:45 PM
**To:** McDaniel, Deanne <McDanielD@centralvirginia.edu>
**Cc:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Subject:** RE: MS4 Slide Presentations

Hi Deanne!

Happy Monday! Did you have a chance to look and see if you can access the slide presentation yet?

Thanks,

John

John M. Rocha, Jr.
Facilities Manager – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
RochaJ@centralvirginia.edu

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**From:** McDaniel, Deanne <McDanielD@centralvirginia.edu>
**Sent:** Wednesday, September 16, 2020 1:19 PM
**To:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Subject:** RE: MS4 Slide Presentations

Hey there!
I have not been on campus since the end of August. I can try to see if I can change them from here. If not I can check with Will Perez to see if someone in IT can change them.

Is the schedule different from the one you originally sent?

Welcome Back/Fall Picnic I estimate about 500.

Deanne McDaniel, CMP
Coordinator of Student Life
Central Virginia Community College
3506 Wards Rd
Lynchburg, VA 24502
434.832.7654
mcdanield@centralvirginia.edu

**From:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Sent:** Wednesday, September 16, 2020 1:16 PM
**To:** McDaniel, Deanne <McDanielD@centralvirginia.edu>
**Cc:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Subject:** RE: MS4 Slide Presentations
**Importance:** High

Hello Deanne!

How often do you come to campus nowadays? The reason I ask is because I have been asked by our MS4 team to go ahead and change the slides out for the MS4 program that you did for me a while back. I have attached the slides and included the prior email below from 3e discussing the slide order. If I am reading the schedule right, we need to go to Group 3, as shown below. Once the slides are changed out, please let me know so I can notify our consultants. They need to be done before the end of September / beginning of October is my understanding.

One more quick question, do you have an approximate number I can use for attendance at the Welcome Back/Fall Picnic last year?

Thanks for all you do!,
John

John M. Rocha, Jr.
Facilities Manager – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
RochaJ@centralvirginia.edu

**From:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Sent:** Monday, February 17, 2020 9:33 AM
**To:** McDaniel, Deanne <McDanielD@centralvirginia.edu>
**Cc:** Rocha Jr., John <RochaJ@centralvirginia.edu>
**Subject:** MS4 Slide Presentations
**Importance:** High

Hello Deanne!

When you get a chance, would you call me in reference to the attached slides for my MS4 program? We need to display them on our tv screens around campus in an certain order. If you would, please contact me so we can discuss. The slides would be shown and grouped as follows:

Group 1: Slides: Spring 2020, Fall 2021, Summer 2022

- 1: Impacts of Stormwater Runoff (Water goes into local rivers and Chesapeake Bay carrying sediment and pollution)
- 2: Sediment affects aquatic life
- 3: Fertilizer & Bacteria affect human recreation and wildlife
- 9: How can they help keep waterbodies clean

Group 2: Slides: Summer 2020, Spring 2021, Fall 2022

- 4: Stormwater Regulations
- 5: TMDL definition
- 6: Ches Bay TMDL
- 7: Local Impaired Waterways

Group 3: Slides: Fall 2020, Summer 2021, Spring 2022

- 1: Impacts of Stormwater Runoff
- 7: Local Impaired Waterways (ph & bacteria)
- 8: Illicit Discharge definition
- 9: How you can help keep waterbodies clean?

I look forward to discussing these with you!

Thank-you,

John

John M. Rocha, Jr.
Facilities Supervisor – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
RochaJ@centralvirginia.edu

**Rocha Jr., John**

---

**From:** Shelley Bains <sbains@vccs.edu>
**Sent:** Thursday, May 27, 2021 11:09 AM
**To:** dlist_vccs_vp_finance; dlist_vccs_facility_directors
**Cc:** Craig Herndon; Bert Jones; ebelote@es.vccs.edu; pagec@brcc.edu; Tiffany Ollie; rojohnson@nvcc.edu; Shelley Bains
**Subject:** EO-77 slides to post
**Attachments:** EO77 Graphics.pdf

**Importance:** High

Good morning,

In an effort to bring early EO-77 awareness to faculty/staff/students please find attached a pair of slides that can be added to your display monitors throughout your buildings.

**for MS4 colleges, this can be considered public outreach!

Let me know of any questions about the information provided. And, if you have great EO-77 ideas to support the committee, please send them along!

Thank you,

Shelley Bains, VCCO
Capital Outlay Program Manager
Virginia Community College System ~ Facilities Management Services
***Arboretum III - 300 Arboretum Place, 2nd Floor, Suite 390***
***Richmond, VA 23236***
sbains@vccs.edu ~ www.vccs.edu

804.683.5777 cellular


9:42 AM
September 17
Current
72°
Tonight
65°
Saturday
86° 65°
Sunday
84° 67°
Monday
79° 64°
STORMWATER RUNOFF PICKS UP SEDIMENT & POLLUTANTS AFTER A RAINFALL.
SEDIMENT & POLLUTANT LADEN RUNOFF FLOWS INTO STORM SEWER SYSTEMS.
STORM SEWER INLETS DRAIN DIRECTLY INTO OUR LOCAL WATERBODIES.
OUR LOCAL WATERBODIES FLOW INTO THE CHESAPEAKE BAY & TO THE OCEAN.
Impacts of Stormwater Runoff
Sediment from construction sites & streambank erosion from urbanization adversely affect the health of our local streams & rivers & the Chesapeake Bay.
CVCC's MS4 Stormwater Plan
NEC


FIRE


EMERGENCY PHONE


PUSH FOR HELP
EMERGENCY
Code Blue

9:42 AM
September 17

Central Virginia Community College
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# How Sediment Impacts Virginia's Waterbodies

- Clogs fish gills causing **death**
- Creates a muddy bottom unsuitable for **spawning** beds
- Reduces **visibility** for fish to locate prey causing
- Decreases water depth resulting in an increase of **temperature** causing fish to relocate
- Stunts plant growth due to reduced **light** penetration
- Interferes with navigation, flood control, **recreation** & fishing industries

CVCC's MS4 Stormwater Plan

Current 72°
Tonight 65°
Saturday 86° 65°
Sunday 84° 67°
Monday 79° 64°

NEC

FIRE

EMERGENCY PHONE

PUSH FOR HELP

9:42 AM
September 17

Current
72°
Tonight
65°
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Sunday
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Monday
79° 64°

# EFFECTS OF FERTILIZERS & BACTERIA ON THE ENVIRONMENT

Central Virginia Community College
Where your future begins



Nitrogen and Phosphorous in fertilizers cause algae blooms in waterbodies.

Improperly disposed of animal waste and human waste from sanitary overflows cause high levels of bacteria (E.coli) in waterbodies.

Algae create toxins and excessive E.coli makes waterbodies unsafe for swimming and unhealthy for humans and wildlife consumption.

CVCC's MS4 Stormwater Plan

NEC

9:43 AM
September 17

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Tonight
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Saturday
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Sunday
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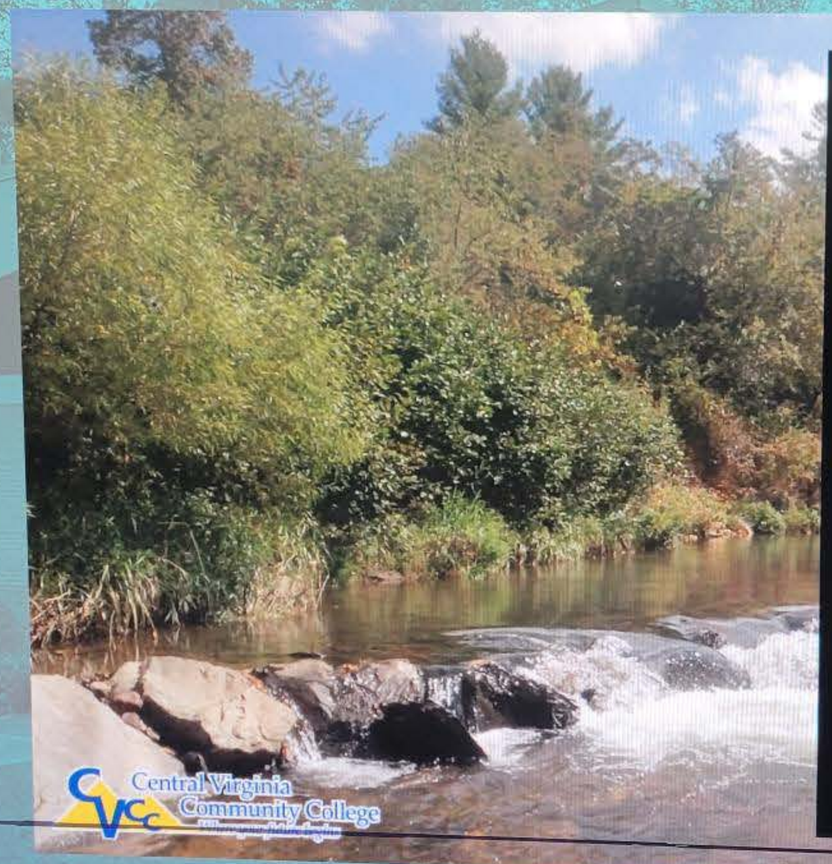
Monday
79° 64°




## HOW YOU CAN HELP KEEP WATERBODIES CLEAN?

- Limit landscape additives such as lime & potash only in amounts needed & at appropriate times especially never before a rain event.
- Properly store & dispose of chemicals. Quickly clean-up spilled chemicals & properly dispose of the materials used to clean-up spills.
- Pick-up pet waste & properly dispose in the trash.
- Never dump anything down storm drains.
- Place litter & cigarette butts in proper receptacles.
- Utilize recycling programs.
- Promptly repair vehicle & equipment leaks.
- Wash vehicles at a commercial car wash instead of in a driveway or parking lot.
- Properly dispose of household waste items.

CVCC's MS4 Stormwater Plan

NEC

9:43 AM
September 17

Current
72°
Tonight
65°
Saturday
86° 65°
Sunday
84° 67°
Monday
79° 64°

Virginia's Community Colleges

DEQ
Virginia Department of Environmental Quality

# Executive Order 77

## Virginia Leading by Example to Reduce Plastic Pollution & Solid Waste

Reduce Reuse Recycle

**2021**

Eliminate*
- Disposable plastic bags
- Single-use plastic
- Polystyrene food service containers
- Plastic straws & cutlery
- Single-use plastic water bottles

**2022 2023 2024 2025**

**Eliminate* all** non-medical single-use plastic and expanded polystyrene objects (including for public health or safety use)

*Eliminate = cease buying, selling, or distributing
Questions? – contact EO77@VCCS.EDU

NEC

9:43 AM
September 17

Current
72°

Tonight
65°

Saturday
86° 65°

Sunday
84° 67°

Monday
79° 64°

Virginia's Community Colleges

# EXECUTIVE ORDER 77

## VIRGINIA LEADING BY EXAMPLE TO REDUCE PLASTIC POLLUTION & SOLID WASTE

Reduce Reuse Recycle

**2021**

Eliminate*
- Disposable plastic bags
- Single-use plastic
- Polystyrene food service containers
- Plastic straws & cutlery
- Single-use plastic water bottles

**2022**

**Eliminate* all** non-medical single-use plastic and expanded polystyrene objects (including for public health or safety use)

**2025**

*Eliminate = cease buying, selling, or distributing

Questions? – contact EO77@VCCS.EDU

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NEC

High Priority Stormwater Issue #3

**MS4 POSTERS at Central Virginia Community College in Lobbys/Common Areas**

Amherst Hall -Counseling – 3 total

Amherst Hall Student Center – 3 total

Bedford Hall Lobby – 3 total

Campbell Hall – 3 total

Culinary – 3 total

Facilities – 3 total

Framatome – 3 total

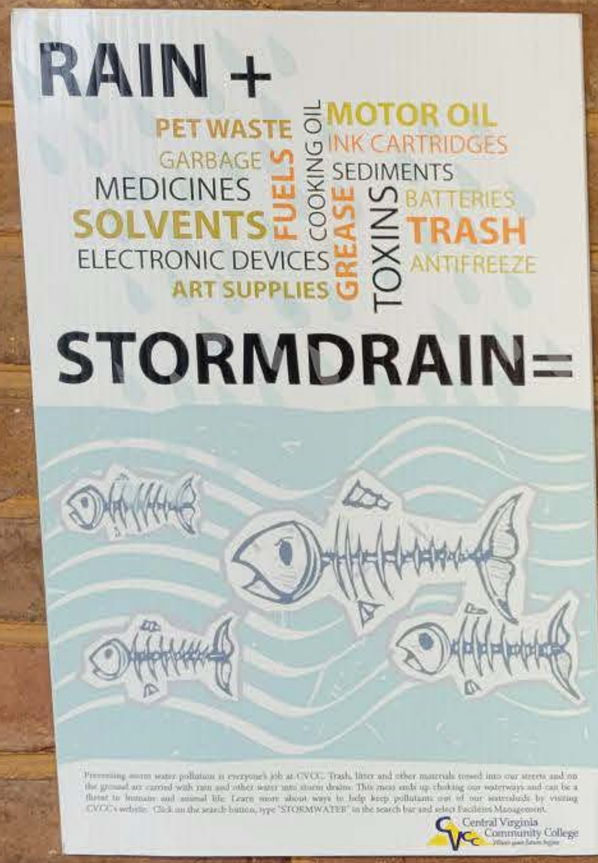
Merritt-3 total

**24 TOTAL**

**MS4 POSTERS INSTALLED IN CUSTODIAL CLOSETS**

16 total – Clean Drains/Clean Waterways


Parking Lot Pollutants
2115
Layla Perry
College Navigator
CLEAN CAMPUS,
CLEAN WATERWAYS
CHANGE


RAIN +
PET WASTE
GARBAGE
MEDICINES
SOLVENTS
ELECTRONIC DEVICES
ART SUPPLIES
FUELS
COOKING OIL
GREASE
TOXINS
MOTOR OIL
INK CARTRIDGES
SEDIMENTS
BATTERIES
TRASH
ANTIFREEZE
STORMDRAIN=
Preventing storm water pollution is everyone's job at CVCC. Trash, litter and other materials tossed into our streets and on the ground are carried with rain and other water into storm drains. This mess ends up choking our waterways and can be a threat to humans and animal life. Learn more about ways to help keep pollutants out of our watersheds by visiting CVCC's website. Click on the search button, type "STORMWATER" in the search bar and select Facilities Management.
Central Virginia Community College


Parking Lot Pollutants
WHEN YOU LEAVE A PARKING SPACE...
Do you leave Trash or Fluids behind?
These Pollutants
end up in storm drains and sewers...
Polluted storm water often flows directly to a River causing disease and harm to wildlife and the environment.
Help Improve Stormwater Run Off!
☑ Place litter and cigarette butts in trash receptacles.
☑ Promptly repair vehicle leaks.
☑ Take your car to the car wash instead of washing it in a driveway or parking lot.
To report a potential illicit discharge or improper disposal...
Contact Facilities Management
434.832.7736
facilities@centralvirginia.edu
Central Virginia Community College


CLEAN CAMPUS, CLEAN WATERWAYS
sweep & bag it
Preventing storm water pollution is everyones job at CVCC. Rainwater and the water we use to wash vehicles and equipment and hose down sidewalks, driveways, and work areas carry trash, debris, and harmful chemicals like pesticides, fertilizers and motor oil into storm drains. This toxic mess ends up choking our waterways and is a threat to humans and animal life. So as you go about your job, try to use a broom or a rake — not a hose — to keep pollutants from flowing into our waterways. Bag trash and garbage. Dispose of pet waste properly. Check that vehicles and equipment are not leaking oil and antifreeze. These toxins spill onto parking lots and streets and flow into our rivers and streams when it rains, and can kill wildlife. When you wash vehicles, don't pour the soapy water down the storm drain. Learn more about ways to help keep pollutants out of our watersheds by visiting www.centralvirginia.edu/Campus Life/Locations-Facilities/Facilities-Management
Central Virginia Community College

# CLEAN CAMPUS, CLEAN WATERWAYS

## sweep & bag it

Preventing storm water pollution is everyone's job at CVCC. Rainwater and the water we use to wash vehicles and equipment and hose down sidewalks, driveways, and work areas carry trash, debris, and harmful chemicals like pesticides, fertilizers and motor oil into storm drains. This toxic mess ends up choking our waterways and is a threat to humans and animal life. So as you go about your job, try to use a broom or a rake — not a hose — to keep pollutants from flowing into our waterways. Bag trash and garbage. Dispose of pet waste properly. Check that vehicles and equipment are not leaking oil and antifreeze. These toxins spill onto parking lots and streets and flow into our rivers and streams when it rains, and can kill wildlife. When you wash vehicles, don't pour the soapy water down the storm drain. Learn more about ways to help keep pollutants out of our watersheds by visiting www.centralvirginia.edu/Campus-Life/Locations-Facilities/Facilities-Management

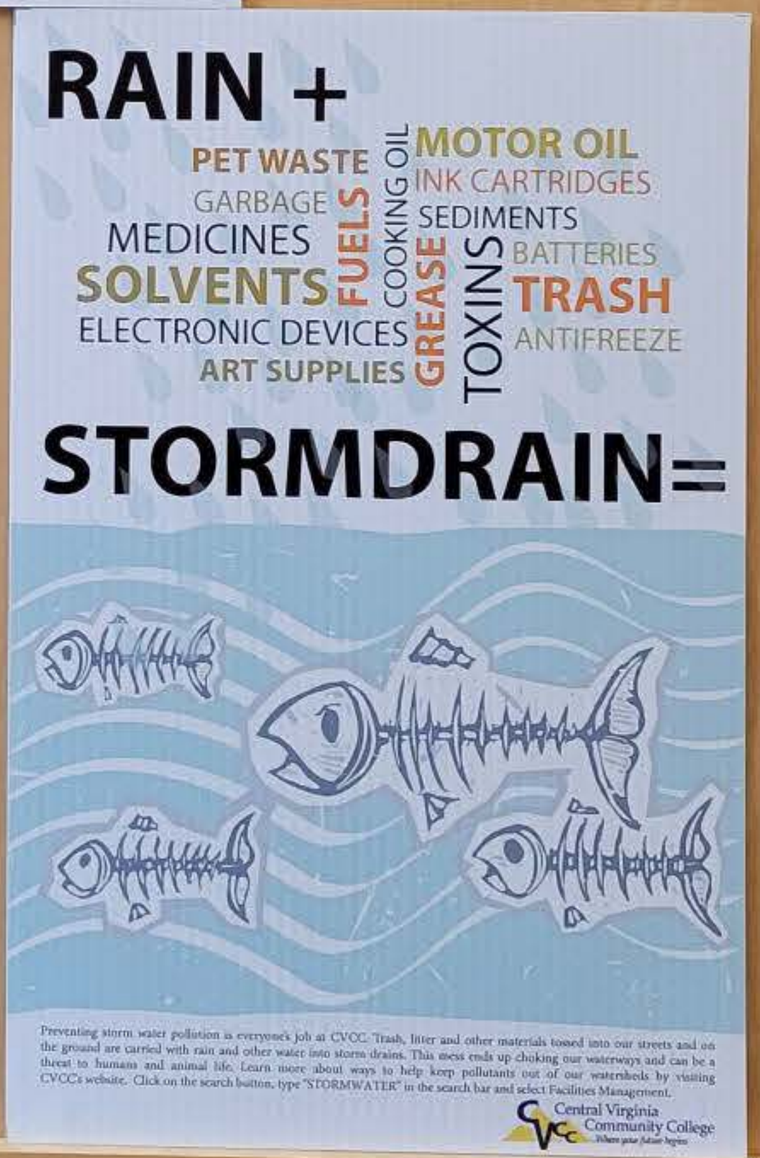
Central Virginia Community College
*Where your future begins*

## Parking Lot Pollutants


**Help Improve Stormwater Run Off!**

- ☑ Place ***litter and cigarette butts*** in trash receptacles.
- ☑ Promptly ***repair vehicle leaks.***
- ☑ Take your car to the ***car wash*** instead of washing it in a driveway or parking lot.

To report a potential illicit discharge or improper disposal...
Contact Facilities Management
434.832.7736
facilities@centralvirginia.edu
Central Virginia Community College




Preventing storm water pollution is everyone's job at CVCC. Trash, litter and other materials tossed into our streets and on the ground are carried with rain and other water into storm drains. This mess ends up choking our waterways and can be a threat to humans and animal life. Learn more about ways to help keep pollutants out of our watersheds by visiting CVCC's website. Click on the search button, type "STORMWATER" in the search bar and select Facilities Management.

Central Virginia Community College
*Where your future begins*


## Parking Lot Pollutants

WHEN YOU LEAVE A PARKING SPACE...

Do you leave *Trash or Fluids* behind?

These Pollutants end up in storm drains and sewers...

Polluted storm water often flows directly to a River causing disease and harm to wildlife and the environment.

**Help Improve Stormwater Run Off!**

- ☑ Place ***litter and cigarette butts*** in trash receptacles.
- ☑ Promptly ***repair vehicle leaks.***
- ☑ Take your car to the ***car wash*** instead of washing it in a driveway or parking lot.

To report a potential illicit discharge or improper disposal...

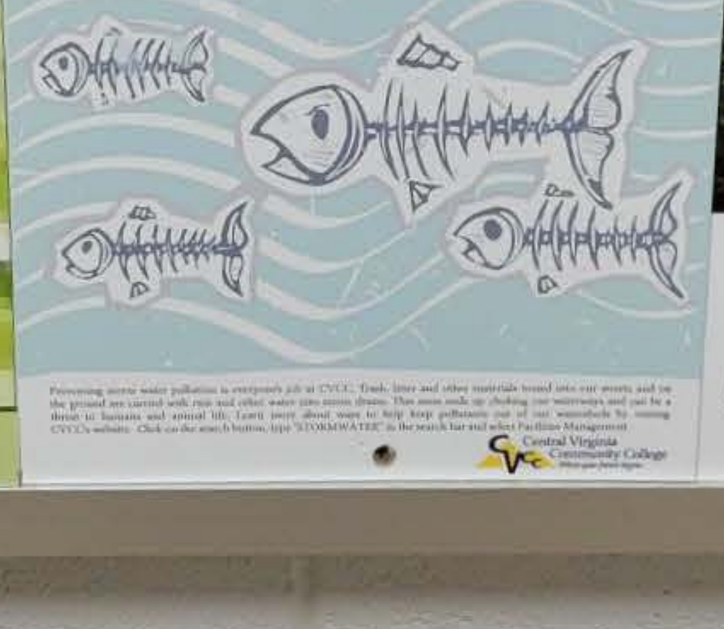
Contact Facilities Management
434.832.7196

Central Virginia Community College

## RAIN +

PET WASTE
GARBAGE
MEDICINES
SOLVENTS
ELECTRONIC DEVICES
ART SUPPLIES
FUELS
COOKING OIL
GREASE
TOXINS
MOTOR OIL
INK CARTRIDGES
SEDIMENTS
BATTERIES
TRASH
ANTIFREEZE

## STORMDRAIN=



Preventing storm water pollution is everyone's job at CVCC. Trash, litter and other materials found into our streets and on the ground are carried with rain and other water into storm drains. This areas ends up choking our waterways and can be a threat to humans and animal life. Learn more about ways to help keep pollutants out of our watersheds by visiting CVCC's website. Click on the search button, type "STORMWATER" in the search bar and select Facilities Management.

Central Virginia Community College

## CLEAN CAMPUS, CLEAN WATERWAYS

## sweep & bag it

Preventing storm water pollution is everyone's job at CVCC. Rainwater and the water we use to wash vehicles and equipment and hose down sidewalks, driveways, and work areas carry trash, debris, and harmful chemicals like pesticides, fertilizers and motor oil into storm drains. This trash, mixes ends up choking our waterways and is a threat to humans and animal life. So as you go about your job, try to use a broom, or a rake — not a hose — to keep pollutants from flowing into our waterways. Bag trash and garbage. Dispose of pet waste properly. Check that vehicles and equipment are not leaking oil and antifreeze. These wastes spill onto parking lots and streets and flow into our rivers and streams when it rains, and can kill wildlife. When you wash vehicles, don't pour the soapy water down the storm drain. Learn more about ways to help keep pollutants out of our waterbodies by visiting www.cvcc.vccs.edu/Campus-Life/Locations/Facilities/Facilities-Management

Central Virginia Community College

Appendix B: Documentation of Public Involvement Activities

Public Involvement Activity #1

**From:** Rocha Jr., John
**To:** Everyone
**Cc:** Rilveria, Sara; Schrinel, Chris
**Subject:** Calling All Artist and Photographic Talents!
**Date:** Wednesday, May 12, 2021 9:35:01 AM
**Importance:** High

---

Good Morning!

We need your help! As part of our MS4 Stormwater Program here at the College, we are always looking for ways to involve and reach out to our CVCC Community. Thank-you for those that recently participated in the Educational Video Presentation we did last week, for those that missed it, it will be posted on our Facilities Website soon. One of the things we talked about was the wildlife here on campus, such as groundhogs and birds that could help lead to the spread of bacteria or damage and possibly affect our water streams. We encourage people on campus not to feed them and let them be. As part of our Educational outreach, we are looking into posting some exterior signage on campus about the groundhogs and birds and their environmental impact. **Here is where I need your help!** I am looking for volunteers to submit either a drawing, or a picture you have taken, or have drawn, of a **Groundhog** that we could possibly use on one or more of the exterior signs we will be putting up around campus as part of a MS4 sign design. If we use your drawing or picture, we will put your name under it. The picture or drawing should be no bigger than an 8 ½ x 11, and will have to be scanned and edited, and the owner would have to agree to release the picture or drawing so the college could use it at their discretion. We only want your original drawings or pictures please.

Here is your chance to showcase your talent! Submit your Groundhog Pictures to facilities@centralvirginia.edu by **June 15th,2021**. The Facilities Team is eager to see your picture or your drawings! **This is open to all Faculty, Staff and Students!**

Show off that talent we know you have, help us with our Stormwater Program, and show us what you can do!

I look forward to seeing what you can do! Remember, I need them by June 15th!

Thanks, Good Luck, enjoy your summer,

John R.


John M. Rocha, Jr.
Facilities Manager – Central Virginia Community College

3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
RochaJ@centralvirginia.edu

Public Involvement Activity #2

**From:** Rocha Jr., John
**To:** Everyone
**Cc:** Rilveria, Sara; Schrinel, Chris
**Subject:** Calling All Artist and Photographic Talents!
**Date:** Wednesday, May 12, 2021 9:35:01 AM
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1-434-832-7725 or 1-540-529-0563
RochaJ@centralvirginia.edu

Public Involvement Activity #2

| | |
|---|---|
| **From:** | Rocha Jr., John |
| **To:** | Everyone |
| **Cc:** | Shelley Bains; Schrinel, Chris; Rilveria, Sara; Rocha Jr., John |
| **Subject:** | Central Virginia Community College MS4 Program Training Opportunity and more.. |
| **Date:** | Thursday, April 29, 2021 10:19:15 AM |
| **Attachments:** | CVCC PEOP.pdf<br>CVCC Stormwater Poster_Students-Faculty-College Staff.pdf |
| **Importance:** | High |

---

Good Morning!

To all CVCC Faculty, Students and Staff,

As summer rolls around, we want to remind everyone of CVCC'S commitment to keep our Stormwater systems clean and mention our MS4 Stormwater plan. By monitoring our stormwater drains here on campus, we can work together to cut down on the number of pollutants that enter our water streams. Unhealthy lakes, rivers, and streams hinder our abilities to enjoy, and see nature as we should. Not only does water pollution affect our recreational activities that we love such as swimming , boating, and fishing, but it also affects wildlife that depend on our water sources to survive. CVCC has implemented and is required to follow a plan for Stormwater Management here on Campus, and it can be found here at : https://centralvirginia.edu/Facilities-Management . I have attached a brochure that explains more about stormwater runoff, and how pollutants can lead to what is called an "Illicit Discharge" which can cause all kinds of problems.

There are several ways in which you can learn a little more about the MS4 program:

1. Take a moment and read the attached brochure about stormwater runoff and the effect it has on our environment.

2. You can go to our website @ http://centralvirginia.edu/Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos and watch several fun, short, Public Service Announcements that show a ***ducks view*** of how pollution affects our environment. The clips are very short, and we get credit for you watching them, so please go by and check them out!

3. ***There is a 30-minute Zoom Educational Training for Staff/Faculty and Students on May 6th, from 1-1:30pm to discuss MS4. The presentation itself will last about 20 minutes, with a 10-minute slot following for any questions that may come up. The presentation will be presented by Chris Schrinel, who is with Wetland Studies and Solutions Inc.**

**Here is the information for the Zoom Session:**

**Topic: CVCC's Stormwater Program Presentation and Discussion**
**Time: May 6, 2021 01:00 PM**

**Join Zoom Meeting**
**https://us02web.zoom.us/j/88513386128?pwd=cGxOaG1lbXI3SnlwOEhSRjF1alEyZz09**

**Meeting ID: 885 1338 6128**

**Passcode: 676694**

**One tap mobile**
**+13126266799,,88513386128#,,,,*676694#**

**Dial by your location**
**+1 312 626 6799**

There are several ways you can become more involved outside of the educational activities. Since people are now able to head out towards the lakes, rivers, and beaches, this is a perfect time to bring awareness to this cause. Help clean up our waterways. There are several volunteer opportunities where you can join others for a community cleanup day. Below you will find several websites to help you be aware of events happening near you, either now or in the future. *Please note that due to Covid-19, several events have been postponed and will be rescheduled on their website at another time.*

Here are some Volunteer Opportunity Websites for your consideration:

**Lynchburg Virginia – Love where you Live**
https://www.lynchburgva.gov/lovewhereyoulive
Annual Spring Cleanup
Each spring, the City of Lynchburg in partnership with Keep Lynchburg Beautiful hosts an annual spring cleanup. Citizens and volunteer groups are encouraged to meet at one central location in the city where they will be given cleanup supplies, a location or two to clean and refreshments.
** Due to the Covid-19 Pandemic, this event has been cancelled, watch their website for future updates**

**Chesapeake Bay Foundation**
https://www.cbf.org/events/clean-the-bay-day/
The 2021 event will last six days, Monday, May 31 to Saturday, June 5.They will be hosting the 33rd Annual Clean the Bay Day and look forward to your participation. We thank you for your interest and participation in this true Virginia tradition. To learn about ways you can improve water-quality and environmental awareness visit their website!

**James River**
https://jrac-va.org/
James River State Park – Paddlers and Walkers
751 Park Road, Gladstone, VA 24553
Volunteers will be cleaning trash from the river and shoreline between Bent Creek and the park, which is about a 6 1/2-mile stretch of the James. Canoes, life vests, paddles and a guide will be provided to volunteers. Please come planning to get wet! Volunteers will be in and out of the boats

to retrieve trash.
**This Event has been cancelled due to Covid-19,stay tuned to this website for future updates**

We take great pride in keeping our campus clean here at Central Virginia Community College. If you see something, let our Facilities Department know and we will address it. Visit our website for more information at https://centralvirginia.edu/Facilities-Management .

I do hope you will take time, watch the short clips, and join us for the short training session on May 6th. It will not take up much of your time, and we will get credit for your participation.

Thank-you ,have a Great Day,
John

John M. Rocha, Jr.
Facilities Director – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
**RochaJ@centralvirginia.edu**

**From:** Rocha Jr., John
**To:** Everyone
**Cc:** Schrinel, Chris; Rilveria, Sara; Shelley Bains
**Subject:** ** MS4 Zoom Presentation today **
**Date:** Thursday, May 6, 2021 10:07:29 AM
**Importance:** High

---

Good Morning!

To all CVCC Faculty, Students and Staff,

There is a short 30-minute Zoom presentation today at 1pm on our MS4 Stormwater Program here at Central Virginia Community College. We are held to strict standards by the DEQ and other State Agencies and are required to help bring awareness of our MS4 program to each of you. There is a lot of good information posted on our website, https://centralvirginia.edu/Facilities-Management ,throughout campus, and by attending informational sessions like this one.

Here is the information for the Zoom Meeting:

**30-minute Zoom Educational Training for Staff/Faculty and Students on May 6th, from 1-1:30pm to discuss MS4. The presentation itself will last about 20 minutes, with a 10-minute slot following for any questions that may come up. The presentation will be presented by Chris Schrinel, who is with Wetland Studies and Solutions Inc.**

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**Meeting ID: 885 1338 6128**

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**One tap mobile**
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**Dial by your location**
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We hope to see you there,

John R.

John M. Rocha, Jr.

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Central Virginia Community College
Where your future begins

# Agenda

- CVCC's MS4 Program
- Impacts of Stormwater Runoff
- TMDLs
- Illicit Discharges
- Pollution Prevention

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# MS4 Stormwater Regulations

**WHY?**

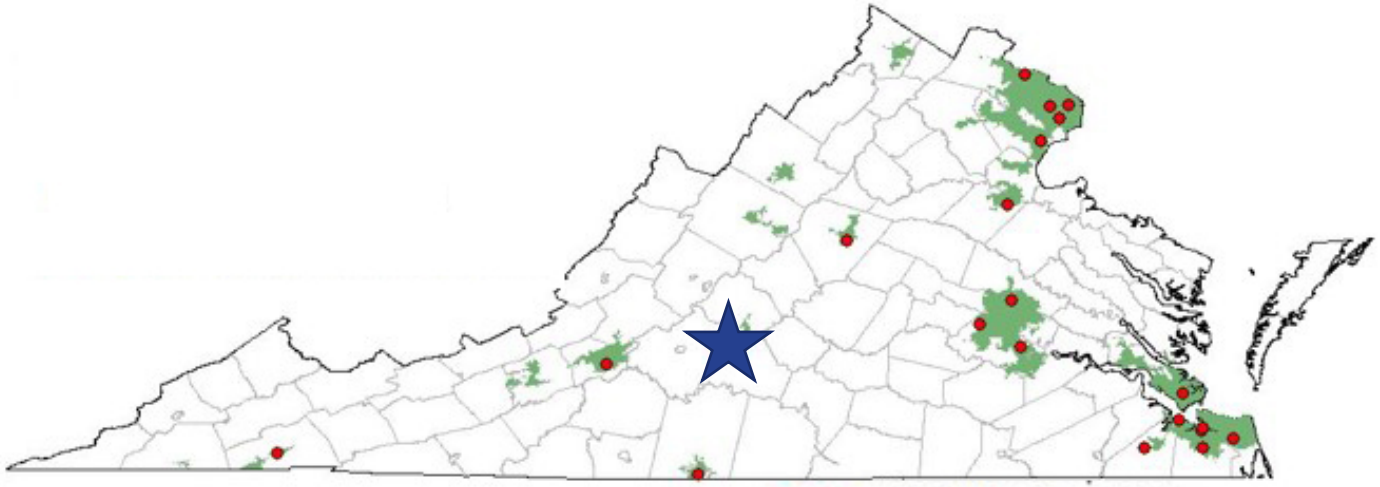
Federal Clean Water Act

**WHERE?**

Municipal Separate Storm Sewer System (MS4)

General Permit Holders

- Cities, counties, towns, federal and state facilities



Several MS4's in VA

Census Urbanized Areas (2010)

**WHO?**

Virginia Laws and Regulations

MS4 General Permit

Construction General Permit

Stormwater Management Program

Erosion and Sediment Control Program

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

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# Municipal Separate Storm Sewer System (MS4)

- Collects and conveys stormwater
  - Potential to convey pollutants downstream
  - Ultimately leads to a point discharge at a natural drainage way (outfall)
- Activities/operations draining to outfalls are regulated if within a Census Urbanized Area (MS4 Area)

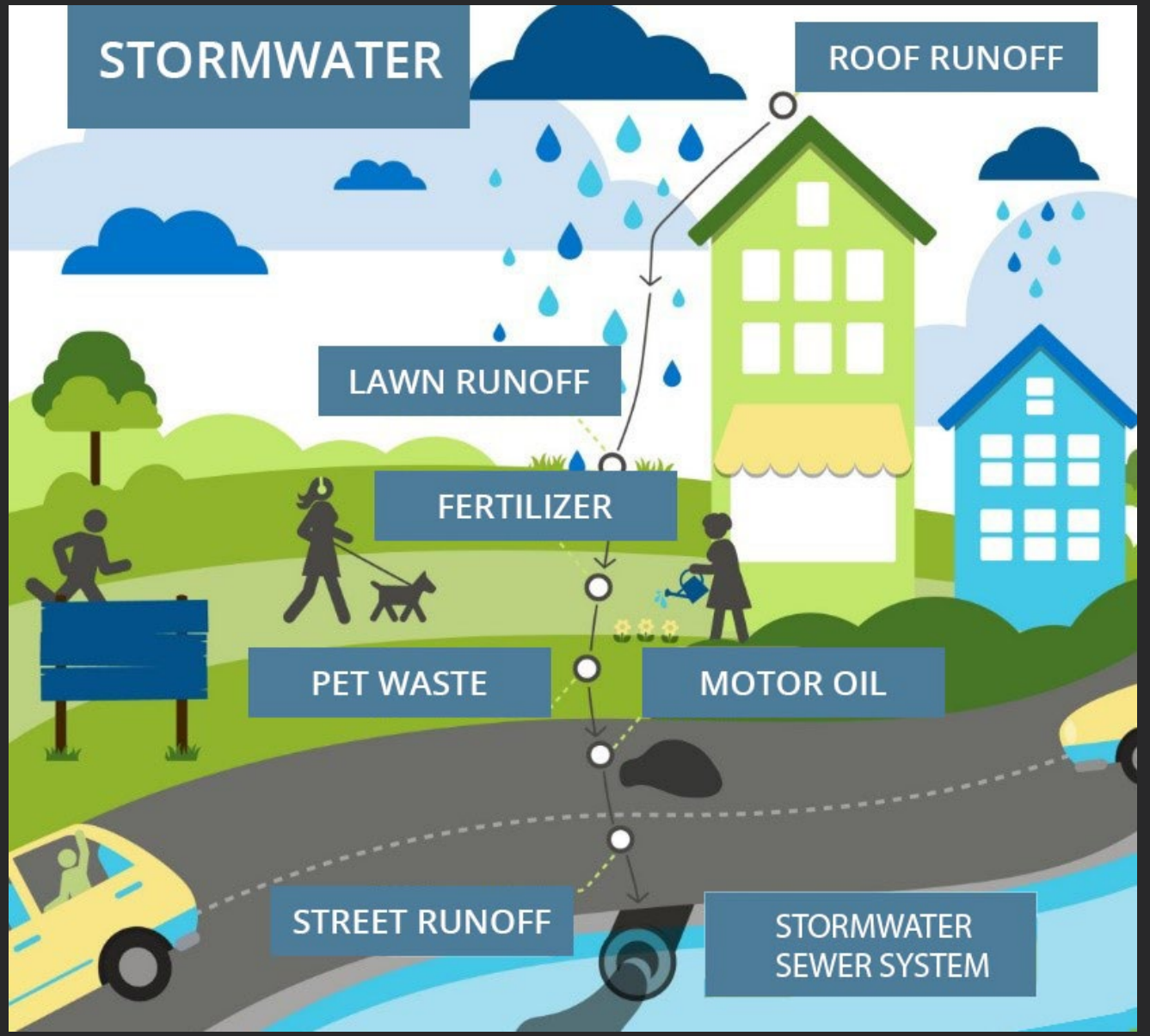
# MS4 General Permit

Requires the operator to:

*" … develop, implement, and enforce a MS4 Program designed to reduce the discharge of pollutants from the regulated small MS4 to the maximum extent practicable …"*

Maximum Extent Practicable

- Ensures compliance to water quality standards if the MS4 Program:
  - Addresses Minimum Control Measures with Best Management Practices (BMP) implementation
    - Structural and nonstructural BMPs
  - Addresses Special Conditions for Total Maximum Daily Loads (TMDLs)

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STORMWATER RUNOFF PICKS UP SEDIMENT AND POLLUTANTS AFTER A RAINFALL.

SEDIMENT & POLLUTANT LADEN RUNOFF FLOWS INTO STORM SEWER SYSTEMS.

STORM SEWER INLETS DRAIN DIRECTLY INTO OUR LOCAL WATERBODIES.

OUR LOCAL WATERBODIES FLOW INTO THE CHESAPEAKE BAY AND TO THE OCEAN.

# Impacts of Stormwater Runoff

Pollutants such as sediment and others adversely affect the health of our local creeks, streams, rivers, wetlands, reservoirs and the Chesapeake Bay.

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# Total Maximum Daily Load (TMDL)

TMDL is a plan (pollution diet) that establishes the maximum amount of a pollutant a waterbody can hold and meet water quality standards.

Waste Load Allocation (WLA) is the quantity of the pollutant (sediment, nitrogen, phosphorous, bacteria, chloride, PCB etc.) that may be discharged.

Waterbodies are tested and those that do not meet water quality standards are given impairments for the pollutant(s) of concern (POC).

MS4s are assigned a WLA for the POC and must meet annual reductions requirements per a TMDL Action Plan

# How Sediment Impacts Virginia's Waterways

Sediment from construction sites, bare areas and streambank erosion:

- Clogs fish gills causing death
- Creates a muddy bottom unsuitable for spawning beds
- Reduces visibility for fish to locate prey
- Decreases water depth resulting in an increase of temperature causing fish to relocate
- Stunts plant growth due to reduced light penetration
- Interferes with navigation, flood control, recreation and fishing industries

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# Chesapeake Bay TMDL

The Chesapeake Bay TMDL requires a reduction of the Pollutants of Concern (POC) which are nitrogen, phosphorous and sediment.

The Chesapeake Bay TMDL Action Plan addresses the POC reductions and meets the Waste Load Allocation (WLA).

# Sediment as a Pollutant

Many Virginia waterways are designated as impaired for sediment.

Pollutant sources of sediment are stream channel erosion and land disturbance activities.


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# Effects of Fertilizers on the Environment

Nitrogen and Phosphorous in fertilizers cause algae blooms in waterbodies.

Algae create toxins makes waterbodies unsafe for swimming  and unhealthy for human and wildlife consumption.


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# Nitrogen and Phosphorous as Pollutants

Fertilizer applied to lawns and agriculture runoff into our local waterbodies and into the ocean…

…causing harmful algal blooms.

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# Nutrient Management Plan

NMPs are used as a resource for planning the quantity and timing of turfgrass nutrient application based on sound agronomic practices to reduce the amount of nutrients that ultimately negatively affect waterbodies.

MS4s must develop and implement Nutrient Management Plans (NMP) for the application of fertilizers.

NMPs address only the nutrient management of turf grass, including athletic fields.

NMPs must be revised following major renovation or other changes to maintenance practices occur and every three years.

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# Bacteria as a Pollutant

Improperly disposed of animal waste and human waste from sanitary overflows, leaking sewer lines, failing/unmaintained septic systems, urban stormwater runoff, livestock, pet and wildlife waste cause high levels of bacteria (E.coli) in waterbodies.

Excessive bacteria makes water bodies unsafe for human contact. People swimming in bacteria rich waters may experience a fever, diarrhea, abdominal cramps, chest pain or hepatitis.

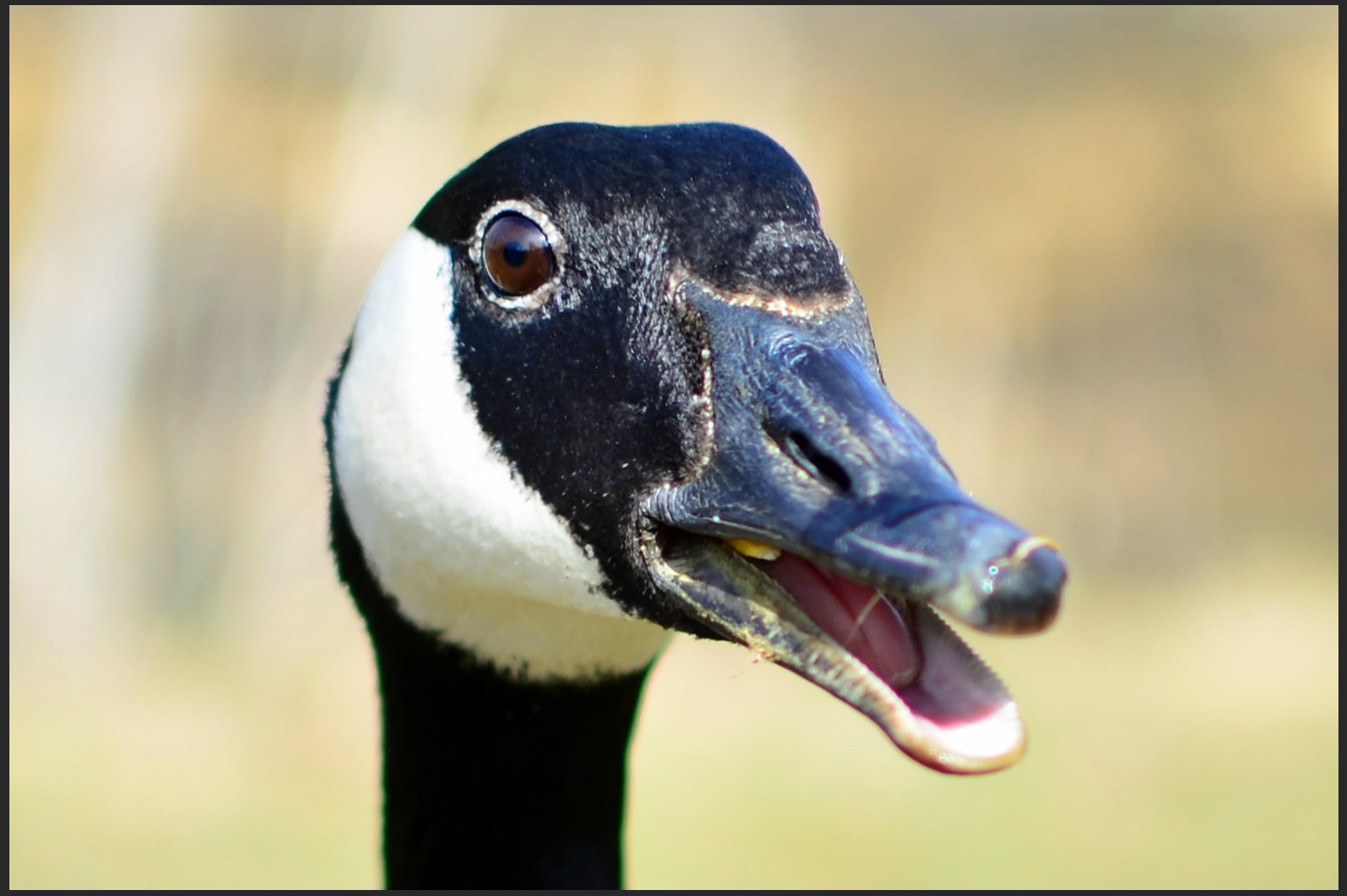
# Local Bacteria TMDL

CVCC directly discharges into a tributary of the James River.

The James River is designated as an impaired waterway because of bacteria.

Pollutant sources of bacteria are wildlife, livestock, pet waste and sanitary sewer overflows.

CVCC educates the public on how to reduce food sources accessible to urban wildlife.



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# Chloride as a Pollutant

Best management practices are needed to control the migration of salt stockpiles, brine spills and to ensure excess amounts of salt and brine containing chloride are not applied.

Excessive amounts of chloride are toxic to humans, aquatic life, wildlife and negatively effect infrastructure such as bridges, soil structure, vegetation and water quality.

# PCB as a Pollutant

Polychlorinated biphenyls (PCB) are toxic substances found in industrial products and chemicals that cause adverse health effects in humans, animals, fish and plants.

Sources of PCBs can be contaminated soils, landfills and poorly maintained hazardous waste containment associated with the handling or storing of PCB materials such as electrical transformers, motor oil, oil-based paint, plastics and fluorescent light ballasts made prior to 1979.

A storm event can wash PCB containing liquids or sediment into a waterway and deposit the PCB laden water or sediment along streambanks. During the next storm event the streambank can erode and contaminate further downstream soils, plants and animals. Animals and plants store PCBs in their tissues and contaminate soils and water during decomposition.

# Illicit Discharge

Any discharge that enters the storm drain system or a natural drainage way that is not composed entirely of stormwater.

Upon detecting an illicit discharge, spill or an improper disposal report to the Facilities Department on campus immediately.


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# What IS an Illicit Discharge

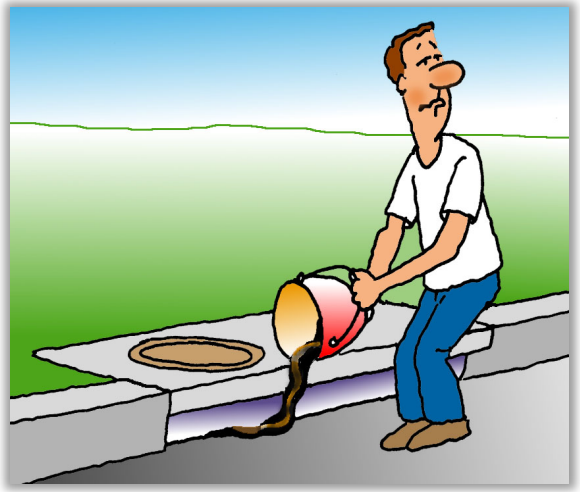
- Measurable flow from a storm drain during dry weather containing pollutants;
- Discharges with a unique frequency, composition, and mode of entry into the storm drain system;
- Caused when the sewage disposal system interacts with the storm drain system; and
- Discharges of pollutants from specific source areas.

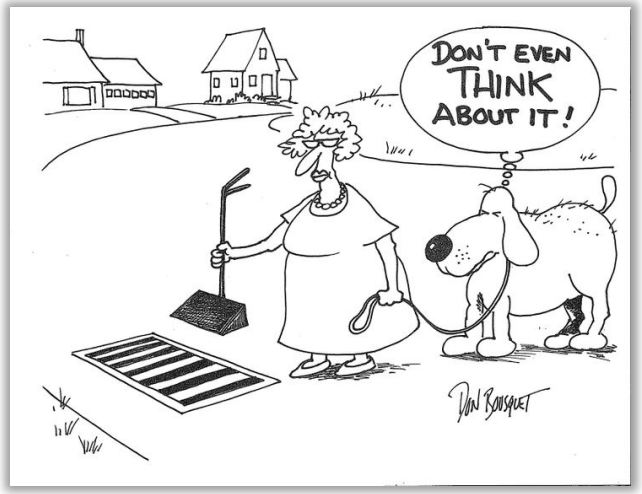
**Table 1. Examples of source pollutants of an illicit discharge.**

| | |
|---|---|
| • Automotive fluids (oil, fuel, antifreeze) | • Landscape waste (grass clippings, etc.) |
| • Cooking oil and grease | • Improperly applied fertilizer |
| • Solvents | • Sediment |
| • Paints | • Vehicle wash water |
| • Chemical cleansers (detergents, soaps) | • Sanitary sewer wastewaters |
| • Improperly applied pesticides/herbicides | • Dumpster leachate |
| • Improperly managed salts | • Trash |

# Ignorance, Neglect, Accidents and Lack of Care

- Storm drain systems connect directly to our natural waterways. Storm drains do not connect to a water treatment plant.
- Neglecting vehicle or equipment maintenance and proper cleaning.
- Storing pollutant laden materials or chemicals outdoors.
- Personal investment in stewarding the environment is important for future generations.



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# Prohibition of Illicit Discharges

## Student Conduct Policies

The administration of each community college is authorized by the State Board for Community Colleges to impose appropriate penalties, including expulsion from the college, for student conduct which tends to discredit or injure the college.

The Virginia Community College System guarantees to students the privilege of exercising their rights of citizenship under the Constitution of the United States without fear of preju have been violated.

Each individual is cor propriate to membership in the c lents. Guidelines and regulations gove The college should refrain from i ests when it is clearly necessary. Fai other penalty, depending upon the

| Source/Discharge Type | | Elimination Authority |
|---|---|---|
| Intentional by Student | → | Student Handbook |
| Intentional by Faculty/Staff | → | Standards of Conduct for Employees |
| Staff During Daily Operations | → | Good Housekeeping/Pollution Prevention Manual |
| Contractor Operations | → | Contract Language |

- *Federal, state and local laws apply on campus.*
- *Students who are dismissed must reapply to the college. Readmission is not assured.*
- *Students may be subject to disciplinary action for misconduct on campus or at college sponsored events or activities.*
- *Disciplinary action by the college is not a criminal process, and the rules of evidence and the double jeopardy doctrine do not apply to student discipline.*
- *Disciplinary action may also be initiated when a student is reported to college officials for conduct prejudicial to the academic or other functions of the college.*
- *Records of all matters of student misconduct will be filed through the office of the Dean of Student Success (DSS) with the exception of cases handled at the instructor level, and those involving matters of the law, which may be filed through the Campus police office.*

# Observation and Reporting Discharges

To report an illicit discharge, spill or an improper disposal email **facilities@centralvirginia.edu** or call the Facilities Department at **434.832.7736**.

For more information visit CVCC's stormwater website at **https://centralvirginia.edu/Facilities-Management**

Lawn Areas

Impervious Surfaces

Stormwater Outfall Pipes

Stormwater Facilities

Natural Waterways

# What is NOT an Illicit Discharge

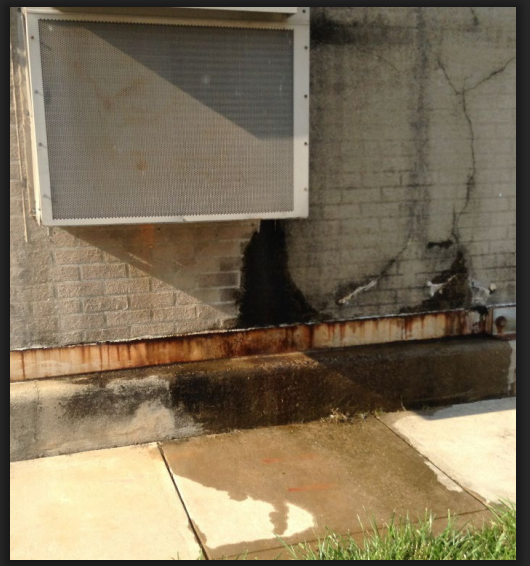

**Table 2. Examples of sources that are not considered illicit discharges.**

- Fire-fighting activities*
- Water line flushing
- Landscape/lawn irrigation
- Diverted stream flows
- Rising groundwater
- Uncontaminated groundwater infiltration
- Uncontaminated pumped groundwater
- Individual residential car washing
- Noncommercial fundraising car washes if the washing uses only biodegradable, phosphate-free, water-based cleaners
- Air conditioning condensate
- Footing or foundation drains
- Springs
- Water from crawl space pumps
- Dechlorinated swimming pool wastewater
- Discharges from potable water sources
- Flows from riparian habitats and wetlands
- Street wash water
- Other activities generating discharges identified by the department as not requiring VPDES authorization

* Discharges or flows from fire-fighting activities need only be addressed where they are identified as significant sources of pollutants to surface waters.

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# Looks like an Illicit Discharge but is NOT

- Sheen similar to petroleum spill, but actually a natural bacteria.
- Substance is bacteria if it fractures into small platelets when disturbed.
- Substance is petroleum if it swirls and reforms itself when disturbed.

# HOW YOU CAN HELP KEEP WATERBODIES CLEAN...

- Limit landscape additives such as lime & potash only in amounts needed & at appropriate times especially never before a rain event.
- Properly store & dispose of chemicals. Quickly clean-up spilled chemicals & properly dispose of the materials used to clean-up spills.
- Pick-up pet waste & properly dispose in the trash.
- Never dump anything down storm drains.
- Place litter & cigarette butts in proper receptacles.
- Utilize recycling programs.
- Promptly repair vehicle & equipment leaks.
- Wash vehicles at a commercial car wash instead of in a driveway or parking lot.
- Properly dispose of household waste items.

Central Virginia Community College
*Where your future begins*

# Thank you on behalf of…

Central Virginia Community College
*Where your future begins*

John Rocha Jr. (Facilities Supervisor)

Lewis Bryant (Director of Facilities and Finance)

Wetland Studies and Solutions, Inc.®
a DAVEY company

Public Involvement Activity #3

| | |
|---|---|
| **From:** | Rocha Jr., John |
| **To:** | Everyone |
| **Cc:** | Shelley Bains; Schrinel, Chris; Rilveria, Sara; Rocha Jr., John |
| **Subject:** | Central Virginia Community College MS4 Program Training Opportunity and more.. |
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Good Morning!

To all CVCC Faculty, Students and Staff,

As summer rolls around, we want to remind everyone of CVCC'S commitment to keep our Stormwater systems clean and mention our MS4 Stormwater plan. By monitoring our stormwater drains here on campus, we can work together to cut down on the number of pollutants that enter our water streams. Unhealthy lakes, rivers, and streams hinder our abilities to enjoy, and see nature as we should. Not only does water pollution affect our recreational activities that we love such as swimming , boating, and fishing, but it also affects wildlife that depend on our water sources to survive. CVCC has implemented and is required to follow a plan for Stormwater Management here on Campus, and it can be found here at : https://centralvirginia.edu/Facilities-Management . I have attached a brochure that explains more about stormwater runoff, and how pollutants can lead to what is called an "Illicit Discharge" which can cause all kinds of problems.

There are several ways in which you can learn a little more about the MS4 program:

1. Take a moment and read the attached brochure about stormwater runoff and the effect it has on our environment.

2. You can go to our website @ http://centralvirginia.edu/Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos and watch several fun, short, Public Service Announcements that show a ***ducks view*** of how pollution affects our environment. The clips are very short, and we get credit for you watching them, so please go by and check them out!

3. ***There is a 30-minute Zoom Educational Training for Staff/Faculty and Students on May 6th, from 1-1:30pm to discuss MS4. The presentation itself will last about 20 minutes, with a 10-minute slot following for any questions that may come up. The presentation will be presented by Chris Schrinel, who is with Wetland Studies and Solutions Inc.**

**Here is the information for the Zoom Session:**

**Topic: CVCC's Stormwater Program Presentation and Discussion**
**Time: May 6, 2021 01:00 PM**

**Join Zoom Meeting**
**https://us02web.zoom.us/j/88513386128?pwd=cGxOaG1lbXI3SnlwOEhSRjF1alEyZz09**

**Meeting ID: 885 1338 6128**

**Passcode: 676694**

**One tap mobile**
**+13126266799,,88513386128#,,,,*676694#**

**Dial by your location**
**+1 312 626 6799**

There are several ways you can become more involved outside of the educational activities. Since people are now able to head out towards the lakes, rivers, and beaches, this is a perfect time to bring awareness to this cause. Help clean up our waterways. There are several volunteer opportunities where you can join others for a community cleanup day. Below you will find several websites to help you be aware of events happening near you, either now or in the future. *Please note that due to Covid-19, several events have been postponed and will be rescheduled on their website at another time.*

Here are some Volunteer Opportunity Websites for your consideration:

**Lynchburg Virginia – Love where you Live**
https://www.lynchburgva.gov/lovewhereyoulive
Annual Spring Cleanup
Each spring, the City of Lynchburg in partnership with Keep Lynchburg Beautiful hosts an annual spring cleanup. Citizens and volunteer groups are encouraged to meet at one central location in the city where they will be given cleanup supplies, a location or two to clean and refreshments.
** Due to the Covid-19 Pandemic, this event has been cancelled, watch their website for future updates**

**Chesapeake Bay Foundation**
https://www.cbf.org/events/clean-the-bay-day/
The 2021 event will last six days, Monday, May 31 to Saturday, June 5.They will be hosting the 33rd Annual Clean the Bay Day and look forward to your participation. We thank you for your interest and participation in this true Virginia tradition. To learn about ways you can improve water-quality and environmental awareness visit their website!

**James River**
https://jrac-va.org/
James River State Park – Paddlers and Walkers
751 Park Road, Gladstone, VA 24553
Volunteers will be cleaning trash from the river and shoreline between Bent Creek and the park, which is about a 6 1/2-mile stretch of the James. Canoes, life vests, paddles and a guide will be provided to volunteers. Please come planning to get wet! Volunteers will be in and out of the boats

to retrieve trash.
**This Event has been cancelled due to Covid-19,stay tuned to this website for future updates**

We take great pride in keeping our campus clean here at Central Virginia Community College. If you see something, let our Facilities Department know and we will address it. Visit our website for more information at https://centralvirginia.edu/Facilities-Management .

I do hope you will take time, watch the short clips, and join us for the short training session on May 6th. It will not take up much of your time, and we will get credit for your participation.

Thank-you ,have a Great Day,
John

John M. Rocha, Jr.
Facilities Director – Central Virginia Community College
3506 Wards Road
Lynchburg, VA 24502-2498
1-434-832-7725 or 1-540-529-0563
**RochaJ@centralvirginia.edu**

# MS4 - PUBLIC SERVICE ANNOUNCEMENTS



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

**Public Service Announcements**

- Pet Waste Video (MP4)

- Rubber Duck Stormwater Runoff (MP4)

- Rubber Duck Stormwater Runoff - Español (MP4)

- Duckman Interview on Stormwater Runoff (MP4)


- Devil Ducks Stormwater Runoff (MP4)

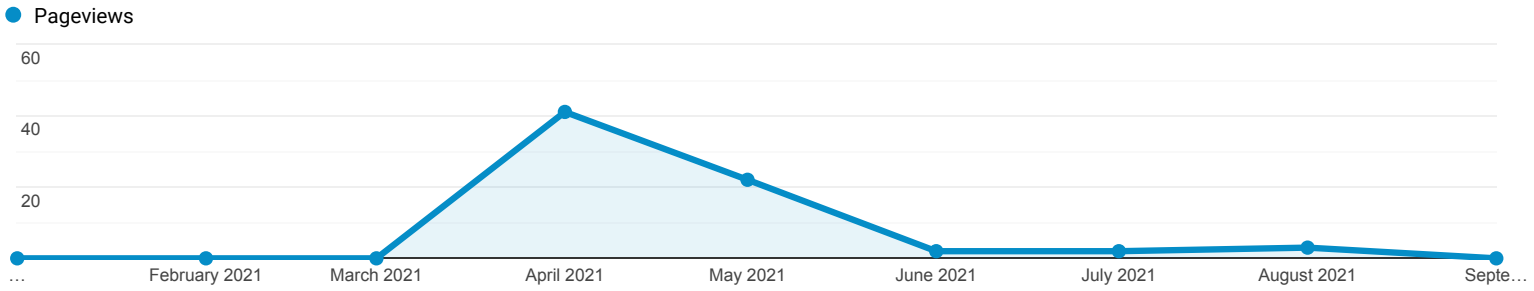
- Rake up, Sweep up Stormwater Runoff (MP4)

# Pages

All Users
100.00% Pageviews

Jan 1, 2021 - Sep 14, 2021

Explorer

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| Page | Pageviews | Unique Pageviews | Avg. Time on Page | Entrances | Bounce Rate | % Exit | Page Value |
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| | **70**<br>% of Total: 0.01% (1,373,123) | **49**<br>% of Total: 0.01% (968,647) | **00:00:17**<br>Avg for View: 00:01:23 (-79.24%) | **21**<br>% of Total: 0.00% (451,157) | **66.67%**<br>Avg for View: 60.42% (10.33%) | **30.00%**<br>Avg for View: 32.86% (-8.69%) | **$0.00**<br>% of Total: 0.00% ($0.00) |
| 1. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos | **39** (55.71%) | 18 (36.73%) | 00:00:07 | 13 (61.90%) | 53.85% | 30.77% | $0.00 (0.00%) |
| 2. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos/Rubber-Duck | **7** (10.00%) | 7 (14.29%) | 00:00:35 | 1 (4.76%) | 100.00% | 14.29% | $0.00 (0.00%) |
| 3. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos/Pet-Waste | **6** (8.57%) | 6 (12.24%) | 00:00:22 | 1 (4.76%) | 100.00% | 33.33% | $0.00 (0.00%) |
| 4. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos/Rubber-Duck-(Espanol) | **6** (8.57%) | 6 (12.24%) | 00:00:18 | 2 (9.52%) | 100.00% | 33.33% | $0.00 (0.00%) |
| 5. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos/Duckman | **5** (7.14%) | 5 (10.20%) | 00:00:38 | 2 (9.52%) | 100.00% | 60.00% | $0.00 (0.00%) |
| 6. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos/Rake-Up,-Sweep-Up | **3** (4.29%) | 3 (6.12%) | 00:00:38 | 0 (0.00%) | 0.00% | 0.00% | $0.00 (0.00%) |
| 7. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos/Devil-Ducks | **2** (2.86%) | 2 (4.08%) | 00:00:36 | 0 (0.00%) | 0.00% | 0.00% | $0.00 (0.00%) |
| 8. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos?fbclid=IwAR08aps7ZmUQAgqeivvc1vPg7-gzW9Qt4JQgRDoyC6xI9YEDnV30AVMl1Pc | **1** (1.43%) | 1 (2.04%) | 00:00:16 | 1 (4.76%) | 0.00% | 0.00% | $0.00 (0.00%) |
| 9. /Campus-Life/Locations-Facilities/Facilities-Management/MS4-PSA-Videos?fbclid=IwAR3RAYn2gs4xKoet3_iKqt2kfQVdmaIgBCx7ngQgTbP7uJxJksxQ_w9gGzI | **1** (1.43%) | 1 (2.04%) | 00:00:00 | 1 (4.76%) | 100.00% | 100.00% | $0.00 (0.00%) |

Rows 1 - 9 of 9

Public Involvement Activity #4

Sign-In Sheet MS4 Presentation – Budd Group

6-19-21

| NAME – (Print) | ORGANIZATION |
|---|---|
| 1) Patricia Scott | Budd Group |
| 2) Jaime Sandridge | |
| 3) TRACY DAVIS | |
| 4) Tanya Schilling | |
| 5) Dajon Mitchell | |
| 6) GEORGE CROFOOT | |
| 7) Robin Robinson | |
| 8) RAVEN MARSHALL | |
| 9) BRAD BOUDREAU | |
| 10) D'ANDRE WHITE | |
| 11) | |
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Stormwater..you have seen it running after a hard rain, on streets..in parking lots..but where does it actually go after it hits the ground and what does it take with it into the stormwater drains? Stormwater runoff is the result of rain, snow, sleet, or other precipitation that does not soak into the ground, but hits on hard surfaces such as parking lots, roads, or sidewalks instead. Here at Central Virginia Community College, we must do what we can to control or prevent certain pollutants from entering the storm drains. Central Virginia Community College is mandated by the U.S. Environmental Protection Agency and the Va. Department of Environmental Quality, (DEQ) to have a plan and procedure in place in order to help manage this.

CVCC follows a Stormwater Plan called MS4, which stands for Municipal Separate Storm Sewer System. Stormwater runoff contains a lot of pollutants that can enter our waterways and cause health and safety issues not only for our wildlife, but for humans as well. We are required to limit the number of pollutants that enter our storm drains. We do street sweeping, and inspections of our drains to make sure they are open and clear. We do not allow pets on campus, and this helps eliminate pet waste. If we see any fluid leaks from vehicles, we move quickly to contain them, so they do not run into the drain. We have grease receptacles to contain cooking grease, and we only used licensed people to spray pesticides and herbicides. We are not allowed to pressure wash or wash anything on campus, and we do our best to control what people pour into floor drains.

Anything other than pure stormwater that enters our storm drains is known as an illicit discharge. This can be the car fluids like we mentioned, something that was spilled, construction site runoff, debris, leaves, paint etc. Watering the lawn, fire hydrant flushing and water line flushing, are acceptable. You can help by doing your part in reporting or helping prevent illicit discharges when you see them.

Central Virginia Community College must do annual reporting each year for their MS4 program and keep good documentation. We have posted a ton of information on our website concerning our MS4 program, including our Annual Report, our Annual Permit and our Good Housekeeping Manual. I have included a copy of our Good Housekeeping Manual to pass out and show you what is required of anyone that works on campus.

Education is also a critical part of our program. We send out emails, post flyers and posters in the buildings, have in-house classes, and post videos and slides to try to reach more people so they know about this program. I have another flier here to share with you, “Clean Drains, Clean Waterways” that we will be posting in all of our Janitorial closets here on campus.

Thank-you for your time today. Please make sure you do your part and are aware of what goes down our drains. If you see an illicit discharge, report it to the Facilities Manager as soon as possible.

CVCC utilizes Wetland Studies and Solutions as our consultant to make sure we stay compliant and have the most updated information. Please visit our college website under “Facilities” to learn more about our MS4 Program.

Thank-you,

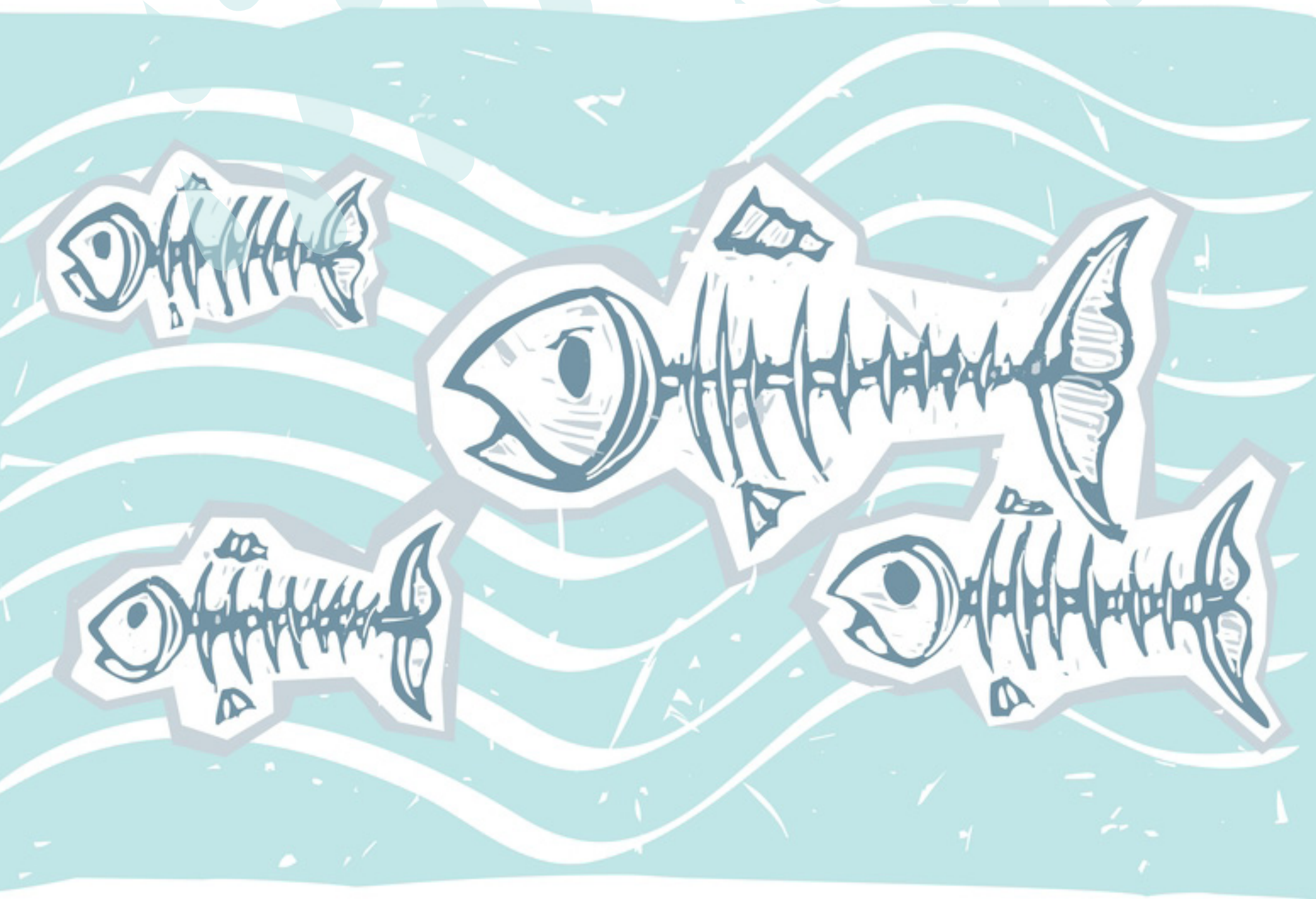
John Rocha, Jr

Facilities Manager – Central Virginia Community College

# RAIN +

PET WASTE
GARBAGE
MEDICINES
SOLVENTS
ELECTRONIC DEVICES
ART SUPPLIES
FUELS
COOKING OIL
GREASE
TOXINS
MOTOR OIL
INK CARTRIDGES
SEDIMENTS
BATTERIES
TRASH
ANTIFREEZE

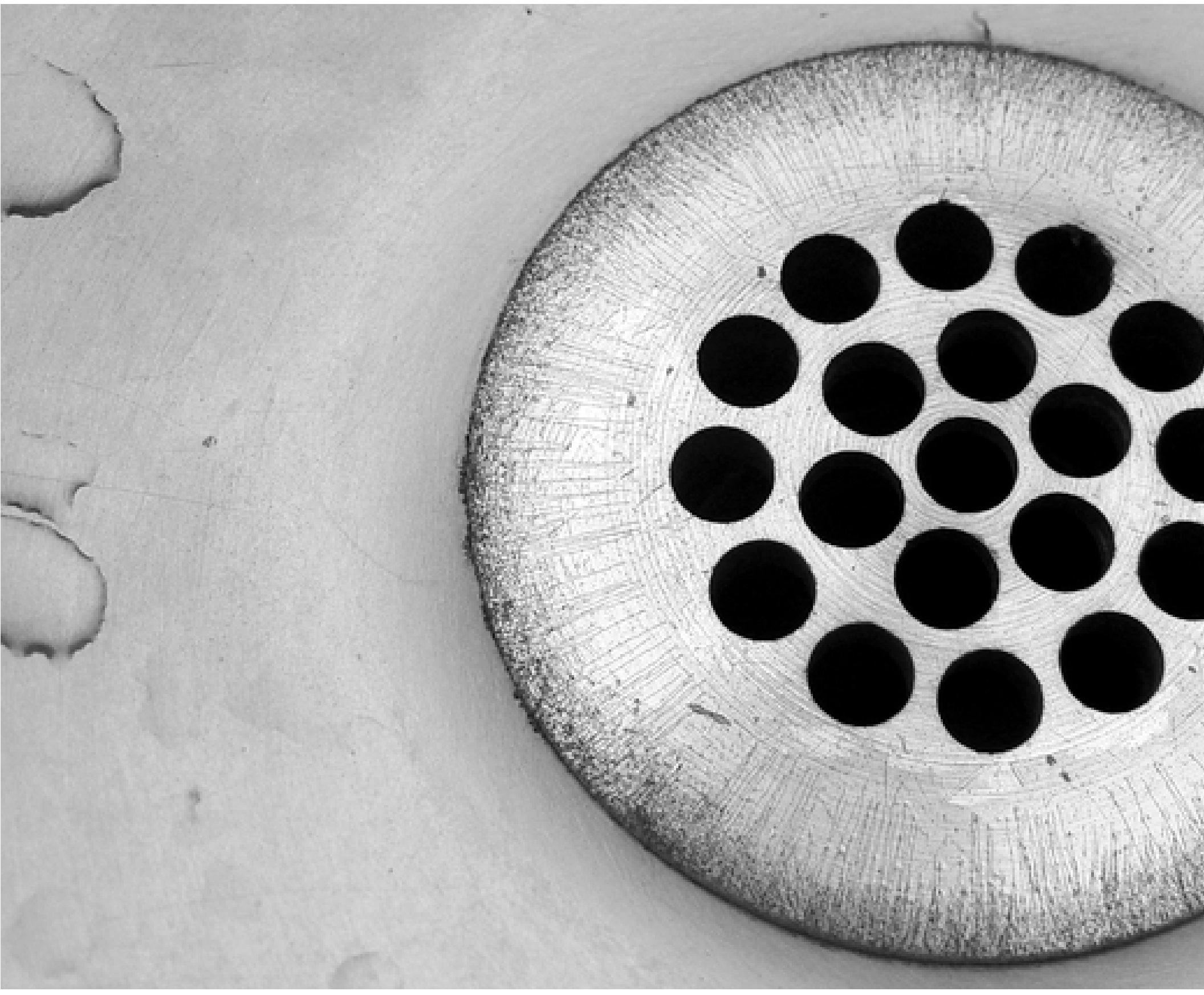
# STORMDRAIN=



Preventing storm water pollution is everyone's job at CVCC. Trash, litter and other materials tossed into our streets and on the ground are carried with rain and other water into storm drains. This mess ends up choking our waterways and can be a threat to humans and animal life. Learn more about ways to help keep pollutants out of our watersheds by visiting CVCC's website. Click on the search button, type "STORMWATER" in the search bar and select Facilities Management.

Central Virginia Community College
*Where your future begins*

# CLEAN DRAINS, CLEAN WATERWAYS



# sweep & bag it

Preventing stormwater pollution is everyone's job at CVCC. The water we use to clean kitchens, garbage cans, and dumpsters carry trash, debris, and harmful chemicals, like pesticides and harsh cleaning fluids, into storm drains. This toxic mess ends up choking our waterways and is a threat to humans and animal life. Bag garbage and trash. And never pour grease down the kitchen drain. It clogs pipes and ends up polluting our rivers and streams. Save grease in containers and bag it. When cleaning kitchens and eating areas, use a broom and trash bag — not a hose or sprayer — to collect debris. Learn more about ways to help keep pollutants out of our watersheds by visiting www.centralvirginia.edu/Campus-Life/Locations-Facilities/Facilities-Management.

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# Good Housekeeping & Pollution Prevention Manual

**Programmatic Overview of CVCC's Good Housekeeping and Pollution Prevention Practices**

**April 2021**

3506 Wards Road
Lynchburg, VA 24502

For concerns related to Good Housekeeping/Pollution Prevention or for reporting pollution into stormwater runoff contact the Facilities Manager at 434-832-7736

Central Virginia Community College

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