

# RADFORD UNIVERSITY



**MS4 ANNUAL REPORT**  
**JULY1, 2019-JUNE 30, 2020**

## Certification Statement and Requirements

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board shall be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

*1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;*

*2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or*

*3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.*

### Duly Authorized Representatives

A person is a duly authorized representative only if:

*1. The authorization is made in writing by a person described above;*

*2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and*

*3. The written authorization is submitted to the department.*

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### CERTIFICATION

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

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Mr. Chad A. Reed

Date

Vice President for Finance and Administration & Chief Financial Officer

Radford University

Permit No. VAR040136; Radford University

# **MS4 Annual Report July 1, 2019 through June 30, 2020**

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## **Minimum Control Measure No. 1: Public Education and Outreach**

### ***Annual Reporting Requirements***

*Per VAR040136 MCM 1, g. The annual report shall include:*

*1. A list of the high-priority stormwater issues the permittee addressed in the public education and outreach program*

- Vehicle Maintenance (Petroleum Releases)
- Trash Elimination and Recycling
- Pet Waste

*2. A list of the strategies used to communicate each high-priority stormwater issues:*

- Developed information flyer dedicated to our three high priority water quality issues.
- Created and posted an informational video on car maintenance that is located on the MS4 website.
- Use social media to get the word out on sustainable activities that could potentially have effects on storm water issues. Facebook: @rusustainability (422 followers). Twitter: [https://twitter.com/sustainable\\_RU](https://twitter.com/sustainable_RU) (806 followers)

## **Minimum Control Measure No. 2: Public Participation/Involvement**

### ***Annual Reporting Requirements***

*Per VAR040136 MCM 2, f. MS4 Annual Report shall include:*

*1. A summary of any public input on the MS4 program received (including stormwater complaints) and how the permittee responded:*

- No public input was received during the reporting period of July 2019 – June 2020

*2. A webpage address to the permittee's MS4 program and stormwater website:*

- Radford University's MS4 Webpage can be found at:  
<https://www.radford.edu/content/sustainability/home/resources/stormwater-management.html>

*3. A description of the public involvement activities implemented by the permittee:*

Radford University participated in the following public involvement activities:

- The annual "Renew the New" every August. (**Restoration**)
- Booth at the campus club fair in August (**Education**)
- Household hazardous waste in April. (**Disposal**) (This event was cancelled due to COVID. Radford University plans to continue this next year if current health landscape is back to normal.)
- Storm rain marking program (**Pollution Prevention**)

*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:*

- See Appendix A

*5. The name of other MS4 permittees with whom the permittee collaborated in the public involvement opportunities:*

- City of Radford
- Town of Blacksburg

## **Minimum Control Measure No. 3: Illicit Discharge Detection and Elimination**

### ***Annual Reporting Requirements***

*Per VAR040136 MCM 3, e. annual report shall include:*

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:*

- See Appendix B (Update with report from Gay and Neal?)
- Information can also be accessed through Radford University's MS4 website <https://www.radford.edu/content/sustainability/home/resources/stormwater-management.html>

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

- See Appendix B
- Information can also be accessed through Radford University's MS4 website <https://www.radford.edu/content/sustainability/home/resources/stormwater-management.html>

3. *A list of illicit discharges to the MS4 including spills reaching the MS4 with information as follows:*

*(a) The source of illicit discharge;*

*(b) The dates that the discharge was observed, reported, or both;*

*(c) Whether the discharge was discovered by the permittee during dry weather screening, reported by the public, or other method (describe);*

*(d) How the investigation was resolved;*

*(e) A description of any follow-up activities; and*

*(f) The date the investigation was closed.*

- No illicit discharges or spills were reported this year.

## **Minimum Control Measure No. 4: Construction Site Runoff Control**

### ***Annual Reporting Requirements***

*Per VAR040136 Part 1 MCM 4, d. The annual report shall include:*

*1. If the permittee implements a construction site stormwater runoff program in accordance with Part I E 4 a (3):*

*(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:*

- Radford University confirms all land-disturbing projects that occurred during the reporting period have been conducted in conformance with Radford University's Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management (AS&S), as approved by DEQ.
- See Appendix C

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

- All land disturbing projects were conducted in compliance with approved standards and specifications.
- See Appendix C

*2. Total number of inspections conducted*

- Radford University performed regular inspections as required by the Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management (AS&S). DEQ performed Notice of Termination Inspection for Fairfax St Improvement Project.
- See Appendix C

*3. The total number and type of enforcement actions implemented and the type of enforcement actions.*

- There were no enforcement actions implemented during the reporting period.
- See Appendix C

## **Minimum Control Measure No. 5: Post-Construction Stormwater Management**

### ***Annual Reporting Requirements***

*Per VAR040136 Part 1 MCM 5, i. The Annual Report will include:*

1. the permittee implements a Virginia Stormwater Management Program in accordance with Part I E 5 a (1) and (2):

*(a) The number of privately owned stormwater management facility inspections Conducted:*

- Radford University has 10 BMP facilities on campus.

*(b) The number of enforcement actions initiated by the permittee to ensure long-term maintenance of privately owned stormwater management facilities including the type of enforcement action:*

- Please see Appendix D

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

- Please see Appendix D

3. *A description of the 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:*

- Please see Appendix D

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 from Construction Activities:*

- Please see Appendix D

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:*

- Please see Appendix D

## **Minimum Control Measure No. 6: Pollution Prevention/Good Housekeeping**

### ***Annual Reporting Requirements***

*Per VAR040136 Part 1 MCM 6, q. The Annual Report will include:*

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

- April 2019 Thompson & Litton created and provided SWPPs for Radford University. These written procedures were designed to minimize or prevent pollutant discharge from daily operations, equipment maintenance, and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers. These written procedures are utilized, as part of employee training. There were no new developments or modifications made to these documents during this reporting period.

*2. A summary of any new SWPPs developed in accordance Part I E 6 c during the reporting period:*

- No new SWPP's were developed during this reporting period.

*3. A summary of any SWPPs 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:*

- No SWPPs were modified during this reporting period.

*4. A summary of any new turf and landscape nutrient management plans developed that includes:*

*(a) Location and the total acreage of each land area*

*(b) The date of the approved nutrient management plan*

- Our current nutrient management plan approved by the department of conversation and recreation is valid from March 15, 2018 – March 15, 2021. So there was no new turf and landscape nutrient management plans created during this reporting period.

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

*(a) The date of the training event;*

*(b) The number of employees who attended the training event; and*

*(c) The objective of the training event.*

- All trainings that were planned and scheduled were cancelled due to COVID-19 concerns. Trainings will continue to happen when the health landscape clears up.

# Appendices



# Appendix A

## Radford University participates in Renew the New River volunteer effort

Radford University's student volunteers helped clean up the New River on August 31<sup>st</sup>, 2019. Students participated in the Montgomery County clean-up at the Whitethorne Boat Ramp.

**SAVE THE DATE:** *It's Your River too!*

**RENEW<sup>the</sup>NEW** **NEW RIVER**  
*Clean-up Event*

<p>Saturday, August 24<sup>th</sup>, 2019</p> <p>FLOYD CO. Meet @ On the Water in Floyd 2053 Thunderstruck Rd NE 8 am</p>	<p>Saturday, August 31<sup>st</sup>, 2019</p> <p>MONTGOMERY CO. Meet @ Whitethorne Boat Ramp 5277 Whitethorne Rd 9 am</p>
<p>Saturday, September 7<sup>th</sup>, 2019</p> <p>PULASKI CO. Meet @ Riverview Park Corner of Cowan St. + River St. 9 am</p>	<p>GILES CO. Meet @ Eggleston Town Park 200 Firehouse Rd 8 am</p> <p>RADFORD Meet @ Bisset Park, Shelter 3 375 Berkley Williams Dr. 8 am</p>



REGISTER ONLINE @ [WWW.RENEWTHENEW.ORG](http://WWW.RENEWTHENEW.ORG)

**Email from RU Announce informing the Radford University community of the ReNew The New clean-up event.**

**From:** Radford University <[ru-announce@radford.edu](mailto:ru-announce@radford.edu)>

**Sent:** Wednesday, August 28, 2019 9:11 AM

**To:** Thompson, Neal <[lthompson@RADFORD.EDU](mailto:lthompson@RADFORD.EDU)>

**Subject:** Renew the New River clean up

Every year Radford University students, faculty and staff team up with the City of Radford and the local community in an effort to preserve the beauty of the New River by removing trash and debris from the river and shore lines. *Renew the New* has greatly enhanced the health and beauty of this local treasure.

This year's event will take place on **August 31<sup>st</sup> 2019**. If you are interested in participating in this important community event, please register [here](#). Or you can type the following address into your browser: [www.renewthenew.org/renew-radford](http://www.renewthenew.org/renew-radford).

- Shuttles will be running from 8:15 am -9:00 am from the Student Recreation and Wellness Center (Jefferson Street entrance) to Bisset Park (shelter 3).
- The first 100 volunteers will receive a free t-shirt.
- The river clean-up efforts will occur from 9:00 am-11:00 am.
- Food trucks and live music will be at Bisset Park, after the cleanup is finished.

If you have any questions, please contact Radford University Outdoor Programs.

Phone: 540-831-6012

Email: [RUOutdoors@Radford.edu](mailto:RUOutdoors@Radford.edu)

Instagram & Facebook: @RUOutdoors



**751 PEOPLE**



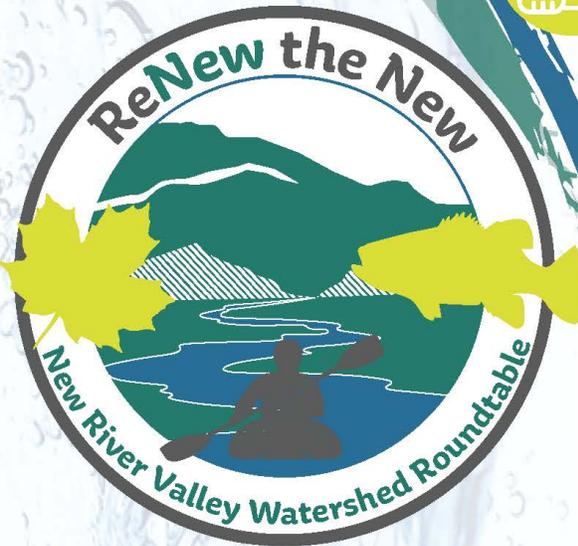
**25 MILES OF WATER AND LAND**



**12,700 POUNDS OF TRASH**



**152 TIRES**



Floyd Co.



Pulaski Co.



City of Radford



Montgomery Co.



Giles Co.

*Thank you to everyone across the New River Valley Region who came out + supported our very successful river cleanup event!*

*We Appreciate You!*





**NEW RIVER WATERSHED ROUNDTABLE QUARTERLY MEETING**

**New River Valley Business Center | New River  
Room July 31st, 2019 | 10:30 AM to 12:00 PM**

**Minutes**

1. Welcome and Introductions
2. ReNew the New-Report out..... All
  - Registration is live, <http://renewthenew.org/become-volunteer-2/>
  - Goal: Increase Participation. A two week FB boost was implemented 7.30.19. Email blast to past participants was sent out 8.2.19. Currently 100 people registered for all 3 days, regionwide.
  - Waiver is no longer online, each participating location will have participants sign paper waivers on site
  - VDOT: 1. can provide orange trash bags and will pick them up if needed. Contact VDOT directly to arrange. 2. Has mowed river access points—contact directly if needed.
  - Steve Knowles coordinating water level with AEP. Requested 2-2.5' @ 8am.
  - Please send t-shirt numbers to [nicole@nrvc.org](mailto:nicole@nrvc.org) NRVRC would like to avoid excess t- shirts ordered. We will compensate for reduced t-shirts with a waterproofsticker.

Location	Date	Update	Boat Seats	Contact
Floyd	8.24.19	Have about 30+ individuals registered.		Terri Morris
Mont Co	8.31.19	Partnering with New River Junction. Will have two cleanup sites: 1. Whitethorne 2: New River Junction	24	Brad Buchanan
Giles Co.	8.31.19	Will send out an email blast soon. Two cleanup areas: 1. McCoy to Eggleston 2. Eggleston to Prices Falls.	171	Charlie Mullins
Radford	8.31.19	Radford U partnering with New River Adventure, planning a sustainability festival	42	Andy Borak + Mark Gordon
Pulaski	9.7.19			Anthony Akers

**From:** Nicole Hersch <[nicole@nrvc.org](mailto:nicole@nrvc.org)>  
**Sent:** Tuesday, September 10, 2019 8:57 AM  
**To:** Kevin Byrd <[kbyrd@nrvc.org](mailto:kbyrd@nrvc.org)>  
**Subject:** ReNew the New: A Success

Good Morning Everyone!

We had an amazingly successful event, thanks to you all!!

Here are the numbers:

	Giles	Mont Co.	Floyd Co.	Radford	Pulaski Co.	Totals
Participants	305	154	104	178	10	751
pounds of trash	6000	4000	200	2000	500	12700
miles of river	9	4	6	5	1	25
tires	55	57	12	18	10	152

I am working on making a thank you ad to be used on social media. I will get that out to you shortly.

Thanks again,

Nicole

--

Nicole Hersch, ASLA  
Regional Planner II/Community Designer



New River Valley Regional Commission

p: (540) 639-9313

6580 Valley Center Drive, Suite 124

Radford, Virginia 24141

[nrvc.org](http://nrvc.org)

## Radford University participates in Campus Club Fair



Radford University did participate this past August 2019 and will plan to do so every year. Our metric for participation was a signup sheet. There was no printed material (hand outs) . Interactions were verbal with illustration as talking points. Below is the email about club fair along with picture and sign in sheet.

**Fall Club Fair is this Friday, August 30<sup>th</sup> from 2:30 pm – 5:00 pm** on Moffett Lawn. The rain location is the Student Recreation and Wellness Center. This is a great opportunity for students to get connected with faculty, staff, other students and find community on campus! We would love to see you there!

Attention Club Advisors: There will be day-of tables available on a first come, first served basis for clubs who were unable to register prior to the deadline. Clubs interested in a day-of table will need to check in at the SOAR table to get a location assignment. All clubs can start setting up their tables at 1:30 pm.

Please also join us for the Fall Club Advisor Social on September 13<sup>th</sup> from 11:30 am – 1:00 pm in Heth Hall, Room 016. This is a great chance to meet other advisors, learn about changes happening this year for clubs and ask lots of questions!

Questions may be directed to Liz Craft, Assistant Director of Student Life, at [ecraft5@radford.edu](mailto:ecraft5@radford.edu).

This message sent on behalf of the department of Student Involvement



## [MS4 Club Fair] sign-in sheet

Location: [Moffett Lawn] Date: [8/30/2019] Time: [Time:00]

Name	Email
1 Timberlugh Blevins	tblevins6@radford.edu
2 Gunther M. Cooper	gcooper22@radford.edu
3 Kendrick Collins	kcollins56@radford.edu
4 Adam McAllen	amcullen1@radford.edu
5 Ben Bailey	bbaily23@radford.edu
6 Holly Cline	hcline@radford.edu
7 Steve Redford	Sredford4@radford.edu
8 Madelynn Alexander	Malexander11@radford.edu
9 Brady E. Amell	Lybca@verizon.net
10 Bowen Schockoff	Bschockoff@radford.edu
11 Jake Morris	JMorris108@radford.edu
12 M. CARLSON	Mcarlson2@radford.edu
13 Ethel Blake Bailey	ebaily22@radford.edu
14 Alex Picot	Apicot@radford.edu
15 Dre Chambers	schambers15@radford.edu
16 Devon Fox	Dfox22@radford.edu
17 Melanie Lewis	mlewis101@radford.edu
18 Hillary Gaskins	hgaskins@radford.edu
19	

**Radford University participates in Regional Household Hazardous waste collection**



**NRV Regional Household Hazardous  
Waste Collection Day**

Residents served by the New River Resource Authority are invited to participate in the Regions HHW Event on **Saturday, April 11th, 2020 from 9:00 a.m. to 2:00 p.m.** at the **Radford University Student Outdoor Recreation Complex, Lot BL 309 E. Main Street, Radford, Va.** (where Burlington Bldg. used to be) Questions regarding the types of material accepted may be directed to your locality in Radford 731-3631, Pulaski PSA 674-8720, Giles PSA 921-2525, Dublin 674- 4798, Blacksburg 443-1212, Christiansburg 382-6128, NRRR 674-1677, MRSWA 381-2820.

NO COMMERCIAL WASTE or COMMERCIAL VEHICLES will be accepted for HHW  
COMMERCIAL WASTE & COMMERCIAL VEHICLES WILL BE ACCEPTED FOR DOCUMENT  
SHREDDING & ELECTRONIC WASTE.  
NRRR WILL BE ACCEPTING PLASTIC BAGS

This program is sponsored by

**The New River Resource Authority**

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**From:** [ssjohnson@wildblue.net](mailto:ssjohnson@wildblue.net) <[ssjohnson@wildblue.net](mailto:ssjohnson@wildblue.net)>  
**Sent:** Wednesday, March 18, 2020 3:21 PM  
**To:** Thompson, Neal <[lthompson@RADFORD.EDU](mailto:lthompson@RADFORD.EDU)>  
**Subject:** NRRR HHW EVENT

Neal hello. With everything going on with the Corona Virus the New River Resource Authority has decided to cancel our HHW Event scheduled April 11<sup>th</sup>.

Thank you & take care,

Sherry

*Sherry S. Johnson*

New River Resource Authority  
Administrative Asst./Outreach Coordinator  
7100 Cloyd's Mtn. Road  
Dublin, Virginia 24084  
(540) 674-1677 - Telephone  
(540) 674-1431 - Fax  
(540) 250-3195 - Cell (Work)

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

## Radford University participates in storm drain marking



Radford University has participated and is maintaining the “Storm Inlet Marking” program. This program involves labeling stormwater inlets, with a marker educating residents not to dump pollutants into the stormwater inlet. The message, “No Dumping, Drains to Waterways” is a simple phrase to remind those passing by that the stormwater inlets connect to local waterways and that dumping will pollute those waters. In Late May early June during the outfall inspection I use the storm drain inventory map and identify the drains that directly lead to the river. These drains are identified with a medallion. The Drain marking public participation is included IDD raining materials. Missing or damaged medallions are replaced at this time.

# **Appendix B**

## **Illicit Discharge Detection and Elimination**

### **SUMMARY**

The 34 outfalls listed on the ORI report were investigated on 7/6/2020. From the initial mapping and investigations, no outfalls were adjusted at this time.

Previous flow testing had revealed that the Fitness Center, Science and Humanities HVAC system discharges into the existing storm drainage system. This accounts for the various levels of ammonia detected at times from the units as the flow is monitored.

Small traces of Ammonia were noticed in the flow coming from the Fitness Center at RU-JE-6 but no traces or levels detected at the Science or Humanities building this year.

Significant rainfall events this year has caused the RU staff to focus on damage along the riverbanks instead of normal maintenance tasks throughout the year. Locations around RU-NR-2 was significantly hit and damaged. Previous attempts of repairs have failed as the following rain events destroy all efforts to stabilize the area. Debris and sediment were seen in most of the outfall areas. The area around RU- NR-2 had significant damage to the outfall, asphalt pavement section nearby and the large sections of the armament was damaged or removed by flood waters.

The university is currently working on preliminary plans for a possible river work project that will help stabilize the entire area. However, funding and design will take time. In the meantime, RU staff is trying to stabilize the area until then.

### **MAP CHANGES**

**Updated to show location of Future BMP now under construction on Fairfax Street. To be completed in 2021.**

### **FLOW TESTS**

**RU-BU-2** stream flow tested with no indicators of illicit discharge.

**RU-NR-1** stream flow tested with no indicators of illicit discharge.

**RU-NR-5** stream flow tested with no indicators of illicit discharge.

**RU-NR-7** stream flow tested with no indicators of illicit discharge.

**RU-EM-2** Flow tests indicated no levels of Ammonia. Flow traced through campus to roofdrains at the Science Building. Had Ammonia previously.

**RU-JE-6** Flow tests indicated low levels of Ammonia. Flow traced to roofdrains at the Fitness Center.

### **MAINTENANCE CONCERNS (On Radford University Property)**

**RU-NR-3, RU-EM-6, RU-NS-4, RU-NS-5, RU-BU-1, RU-NR 5, RU-NR 5.5, RU-NR 4.5 , RU-NR 4, RU-NR 6,**

**RU-NR 11 Cleanup/debris**

**RU-NR-2 Maintenance/Repairs**

### **MAINTENANCE CONCERNS (Outfall on City Property, Contact Radford City)**

**RU-NR-9, Maintenance/recommend Riprap**

**RU-NR-10, RU-JE-1, Cleanup/debris**

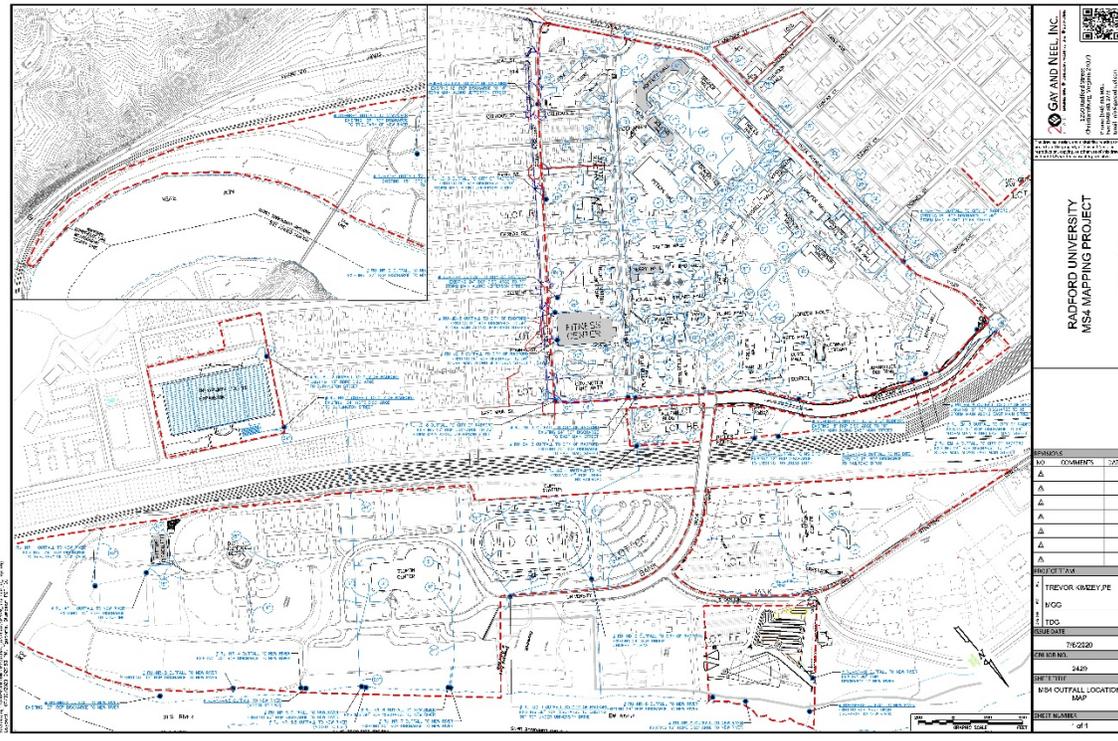
Note all outfalls flows will ultimately be conveyed to the New River. Since 2010, DEQ has generated several ambient water column and sediment PCB data in support of total maximum daily loads (TMDLs) for PCB polychlorinated biphenyls (PCBs) in the New River.

Outfall watersheds should be monitored for sediment and chemical discharges that could increase the TMDL. Any possible sources should be investigated prior to an illicit discharge event.

A DEQ Draft Report dated 2017 is available for details on specific sources of PCBs

Street Name/Location	Outfall Number	Latitude	Longitude	Coordinate System	Data Source (Survey, Map, GPS)	Pipe Shape	Pipe Span (in)	Pipe Rise (in)	Receiving Feature	Subwatershed Area (ac)	Waterbody	HUC12	VAHUG	TMDL	Reconnaissance Date	ORI Date(s)	ORI Results	Notes
<b>Jefferson St.</b>																		
RU-JE-1	37° 8' 23.2" N	80° 32' 57.9" W	Map	Round	12	12	18"	Storm Main	3.4	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-JE-3	37° 8' 23.7" N	80° 32' 54.0" W	Map	Round	18	18	18"	Storm Main	0.6	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-JE-4	37° 8' 11.36" N	80° 32' 50.3" W	Map	Round	24	24	30"	Storm Main	2.1	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-JE-5	37° 8' 12.10" N	80° 32' 49.53" W	Map	Round	15	15	30"	Storm Main	1.6	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-JE-6	37° 8' 11.49" N	80° 32' 48.32" W	Map	Round	18	18	30"	Storm Main	0.8	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	Flow Tested		
RU-JE-8	37° 8' 16.14" N	80° 32' 45.89" W	Map	Round	15	15	36"	Storm Main	0.7	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
<b>East Main St.</b>																		
RU-EM-1	37° 8' 18.38" N	80° 32' 49.63" W	Map	Round	24	24	East Main	9.8	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-EM-2	37° 8' 18.67" N	80° 32' 48.17" W	Map	Round	30	30	East Main	51.1	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	Flow Tested upstream near source			
RU-EM-2.5	37° 8' 25.05" N	80° 32' 59.62" W	Map	Round	18	18	18"	Storm Main	0.7	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-EM-4	37° 8' 22.80" N	80° 32' 56.22" W	Map	Round	24	24	24"	Storm Main	1.7	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-EM-5	37° 8' 28.00" N	80° 33' 22.22" W	Map	Round	15	15	24"	Storm Main	2.1	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-EM-6	37° 8' 27.88" N	80° 33' 21.41" W	Map	Round	15	15	18"	Storm Main	0.7	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
<b>Tyler Avenue</b>																		
RU-TY-1	37° 8' 22.29" N	80° 33' 11.09" W	Map	Round	18	18	36"	Storm Main	16.1	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
<b>Norfolk Southern Railroad</b>																		
RU-NS-1	37° 8' 20.73" N	80° 32' 48.13" W	Map	Round	54	54	54"	Storm Main	1.4	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow		
RU-NS-4	37° 8' 24.79" N	80° 32' 55.04" W	Map	Round	12	12	Ex. RR Ditch	0.9	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NS-5	37° 8' 25.50" N	80° 32' 56.49" W	Map	Round	18	18	RR Ditch	0.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
<b>New River</b>																		
RU-NR-1	37° 8' 7.88" N	80° 32' 11.46" W	Map	Round	36	36	Trib. Of New River	Offsite	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	Stream Flow tested			
RU-NR-2	37° 8' 14.88" N	80° 32' 10.33" W	Map	Round	27	27	New River	9.9	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-3	37° 8' 17.24" N	80° 32' 14.77" W	Map	Round	15	15	New River	2.1	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-4	37° 8' 19.52" N	80° 32' 18.62" W	Map	Round	30	30	New River	9.5	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-4.5	37° 8' 19.52" N	80° 32' 18.62" W	Map	Round	30	30	New River	Unknown	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-5	37° 8' 21.97" N	80° 32' 20.07" W	Map	Round	60	60	New River	12.3	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	Stream Flow Tested			
RU-NR-5.5	37° 8' 21.97" N	80° 32' 20.07" W	Map	Round	30	30	New River	Unknown	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-6	37° 8' 24.83" N	80° 32' 27.21" W	Map	Round	30	30	New River	Unknown	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-7	37° 8' 25.09" N	80° 32' 27.50" W	Map	Round	20	20	New River	10.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	Spring Flow Tested			
RU-NR-8	37° 8' 24.64" N	80° 32' 41.17" W	Map	Round	24	24	New River	3.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-9	37° 8' 36.09" N	80° 32' 46.66" W	Map	Round	18	18	New River	2.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-10	37° 8' 39.07" N	80° 32' 45.70" W	Map	Arch	72	72	New River	3.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-NR-11	37° 8' 37.33" N	80° 32' 47.53" W	Map	Round	30	30	New River	3.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
<b>University Drive</b>																		
RU-LD-1	37° 8' 23.05" N	80° 32' 34.37" W	Map	Round	36	36	36" RCP	6.5	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-LD-2	37° 8' 25.83" N	80° 32' 39.09" W	Map	Round	54	54	54" RCP	7.6	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
<b>Burlington Street</b>																		
RU-BU-1	37° 8' 27.21" N	80° 32' 29.22" W	Map	Round	18	18	24" RCP	1.2	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			
RU-BU-2	37° 8' 33.59" N	80° 32' 31.47" W	Map	Round	18	18	24" RCP	7.8	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	Stream Flow tested			
<b>Athletic Fields</b>																		
RU-AF-1	37° 8' 8.85" N	80° 32' 15.39" W	Map	Round	15	15	To Trib of New River	4.6	New River - Connelly Run	50500011801	NE57		7/6/2020	7/6/2020	No Flow			

Note all outfalls flows will ultimately be conveyed to the New River. Since 2010, DEQ has generated several ambient water column and sediment PCB data in support of total maximum daily loads (TMDLs) for PCB polychlorinated biphenyls (PCBs) in the New River. Outfall watersheds should be monitored for sediment and chemical discharges that could increase the TMDL. Any possible sources should be investigated prior to an illicit discharge event. A DEQ Draft Report dated 2017 is available for details on specific sources of PCBs



# Appendix C

## Radford University Regulated Land-Disturbing Activities 27 January 2020

RU will provide the following information on any regulated land-disturbing activity to DEQ Central Office no less than two weeks prior to the start of the activity:

- Project name or project number
  - Project location (including nearest intersection, latitude and longitude, access point)
  - On-site Project Manager and contact information
  - Responsible Land Disturber (RLD) name and contact information
  - Project description
  - Area of disturbance for the project
  - Estimated disturbed acreage for individual projects must be reported in the following manner:
    - Linear Projects – beginning and ending coordinates, or
    - Site Development – central to polygon or point coordinates.
- Note: Coordinates may be reported by UTM (x, y, zone, and datum) or state plane (x, y, zone, and datum).
- Project start and finish date
  - Any variances/exemptions/waivers associated with this project

Project Name	Location	Project Manager Contact Information	RLD Contact Information	Project Description	Estimated Area	Estimated Start Date	Estimated Completion Date	Comments
1101 Grove Ave Renovation	1101 Grove Ave City of Radford	Lou Ferguson wfergus@radford.edu (540) 833-7781	Price Builders, Inc.	Limited site work to create positive drainage away from the building/building renovation	ES&C - less than 10,000 of SWM - less than 1 acre	January 2020	August 2020	
Baseball Bulpen Improvements	Athletic area	Stephen Harrison sharrison@radford.edu 540-831-7604	Radford University	Limited sitework to adjust bulpen area including sidewalks	ES&C - less than 10,000 of SWM - less than 1 acre	January 2020	March 2020	
Fairfax Street Improvements	Main Campus 37.1353, -80.5486	Lou Ferguson wfergus@radford.edu (540) 833-7781	Radford University Chris Shelton - RL007811	Parking, sidewalks, and associated utility and drainage improvements	ES&C/SWM - 2.47 acres	January 2020	August 2020	Design by TSL ES&C/SWM Plans and SWPPP by TSL Plan review by GMI

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**Annual Standards and Specifications for Erosion and Sediment Control and Stormwater Management can be found on the Radford University website at: [https://www.radford.edu/content/dam/departments/administrative/Facilities-Planning/RU\\_Annual\\_Standards\\_Specs\\_Rev4\\_full\\_doc.pdf](https://www.radford.edu/content/dam/departments/administrative/Facilities-Planning/RU_Annual_Standards_Specs_Rev4_full_doc.pdf)**

Contact:  
 Don Packard  
 Blue Ridge Regional Office  
 Phone #: (540) 553-6871  
 Email address: [donald\\_packard@deq.virginia.gov](mailto:donald_packard@deq.virginia.gov)



## CONSTRUCTION GENERAL PERMIT SITE INSPECTION REPORT - LEVEL 1 (FOCUSED)

<b>Project Name:</b> Radford University Fairfax Street Improvements		<b>Permit Number:</b> VAR10N782	
<b>Project Address:</b> University Drive		<b>County/City:</b> Radford	
<b>Project Operator:</b> Radford University		<b>Operator Telephone:</b> (540) 831-7767	
<b>Project Contact:</b> Chris Shelton		<b>Contact Telephone:</b> (540) 831-7767	
<b>Contact E-Mail:</b> <a href="mailto:cshelton19@radford.edu">cshelton19@radford.edu</a>		<b>Qualified Personnel (QP):</b> undetermined	
<b>Inspector:</b> D. Packard		<b>Weather (Wet/Dry/Rain):</b> Dry	
<b>Total Dist. Acres Permitted:</b> 2.47	<b>Est. Dist. Acres (At time of inspection):</b> 0	<b>Inspection Date &amp; Time:</b> 10/23/2020 @ 2:00pm	
<b>Linear Project:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Annual Stands. &amp; Specs:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>VSMP Authority:</b> <input type="checkbox"/> Locality <input checked="" type="checkbox"/> DEQ			
<b>Stage of Construction:</b>			
<input type="checkbox"/> Initial Clearing & Grading <input type="checkbox"/> Rough Grading <input type="checkbox"/> Building Construction <input type="checkbox"/> Final Grading <input type="checkbox"/> Construction of SWM Facilities <input type="checkbox"/> Final Stabilization <input checked="" type="checkbox"/> Notice of Termination <input type="checkbox"/> Other: _____			
<b>Nature of Project:</b>			
<input type="checkbox"/> Public <input type="checkbox"/> Private <input checked="" type="checkbox"/> State <input type="checkbox"/> Federal <input type="checkbox"/> Other: _____ <b>Re-Inspection:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

COVERAGE & POSTING REQUIREMENTS				Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
							<i>Comments/Description</i>
1	Construction site has permit coverage? (Va. Code §62.1- 44.15:34.A) (9VAC25-870-310)	X					Project is complete, Operator requested termination.
2	A copy of the notice of coverage letter is posted conspicuously near the main entrance of the construction activity? (CGP Part II.D)				X		
3	Notice of the location of the SWPPP is posted near the site's entrance, if applicable, and information for public access is provided? (9VAC25-870-54.G)(CGP Part II E.2 & 3)				X		
SWPPP AVAILABILITY AND CONTENTS				Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
							<i>Comments/Description</i>
4	The SWPPP is on-site or made available during the inspection? (CGP Part II E.1 & 2)(9VAC25-870-54.G)						<i>SWPPP not reviewed this inspection. The approved ESC/SWM plan was obtained in advance of the inspection to perform a "Notice of Termination Inspection".</i>
5	The SWPPP contains a signed copy of the registration statement? (CGP Part II B.1.a)						
6	The SWPPP includes, upon receipt, a copy of the notice of coverage letter and the CGP? (CGP Part II B.1.b & c)						
7	The SWPPP contains the name, phone number and qualifications of "Qualified Personnel" conducting inspections? (CGP Part II B.8)						
8	The SWPPP contains an approved erosion and sediment control plan? (9VAC25-870-54.B)(CGP Part II.B.2)						
9	The SWPPP contains an approved stormwater management plan or an existing construction site has a stormwater management plan? (9VAC25-870-54.C)(CGP Part II.B.3) Technical Criteria II.B <input checked="" type="checkbox"/> II.C <input type="checkbox"/>						<i>A copy of the approved SWM plan was reviewed for this final inspection.</i>
10	The SWPPP contains a pollution prevention plan? (9VAC25-870-54.D)(CGP Part II.B.4)						

Contact:  
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 Blue Ridge Regional Office  
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ESC AND SWM CONTROL MEASURES				Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
							<i>Comments/Description</i>
11	Sediment trapping measures are installed as a first step in the land disturbing activity? (9VAC25-840-40.4)				X		No active construction.
12	Stabilization applied and/or established in accordance with CGP and ESC Minimum Standards? (9VAC25-840-40(1,2,3,5,7, and 15)) (9VAC25-880-60) (CGP Part I F.1(a)) (CGP Part II B.2.c.8) (CGP Part II B.5.b.1)	X					Vegetative cover is well established.
13	Operable storm sewer inlets are protected from sediment laden water? (9VAC25-840-40.10)				X		No ESC control measures remain in place
14	Operational stormwater conveyance channels or pipes have adequate outlet protection and channel lining? (9VAC25-840-40.11)	X					
15	Transport of sediment onto paved surfaces is minimized? (9VAC25-840-40.17)				X		No active construction
16	Are all control measures properly maintained in effective operating condition in accordance with good engineering practices and, where applicable, manufacturer specifications? (CGP Part II F.1) (9VAC25-840-60.A)	X					
17	For Notice of Termination, permanent SWM control measures included in the SWPPP are in place? (9VAC25-880-60) (CGP Part I F.1(a))	X					As-built Construction Record Drawings were provided by the university. All post-construction BMPs are underground.
POLLUTION PREVENTION PRACTICES				Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No
							<i>Comments/Description</i>
18	Have discharges of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities been prevented, if applicable? (CGP Part II B.4 (e)(2))						No active construction
19	Have discharges of soaps, solvents, detergents, and washwater from construction materials, including the clean-up of stucco, paint, form release oils, and curing compounds been prevented, if applicable? (CGP Part II B.4(e)(3))						
20	Is concrete washwater directed into a leak-proof container or leak-proof settling basin? (CGP Part II B.4(e)(5))						
SITE EVALUATION AND AGENCY RECOMMENDATION				Yes	No	N/A	Request for Corrective Action attached: <input type="checkbox"/> Yes <input type="checkbox"/> No
							<i>Comments/Description</i>
21	Are measures in place that have prevented or minimized actual or potential impacts occurring at the site or along the perimeter and at outfall locations?	X					
22	VA DEQ's Risk Based Inspection Strategy has been satisfied. No local VSMP Authority or comprehensive DEQ re-inspection is required at this time.	X					Referred to Locality: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
23	Site inspection results are such that immediate or subsequent recommendation for issuance of a Warning Letter or Notice of Violation is <b>NOT</b> required.	X					
<p><b>Be advised</b> that this inspection is <b>focused</b> on portions of the applicable statutory and regulatory requirements only. The purpose of the inspection is to assess the general condition and compliance level of the construction site and to evaluate the need for a more <b>comprehensive inspection</b> by DEQ or the local VSMP, as applicable, or the presence of actual or potential adverse impacts. The inspector's report is limited to the day, time, and specified statutory and regulatory requirements identified in the Report and Request for Corrective Action, if attached. Although some statutory or regulatory components may not be covered by this inspection report your responsibilities as the owner/operator are to comply with all applicable statutory and regulatory requirements.</p>							

Inspector Signature: Donald Packard Date: 11/19/2020

Contact:  
 Don Packard  
 Blue Ridge Regional Office  
 Phone #: (540) 553-6871  
 Email address: [donald.packard@deq.virginia.gov](mailto:donald.packard@deq.virginia.gov)



## CONSTRUCTION GENERAL PERMIT SITE INSPECTION REPORT REQUEST FOR CORRECTIVE ACTION

Project Name: **RU Fairfax Street Improvements** \_\_\_\_\_ Permit Number (if applicable): **VAR10N782** Date: **10/23/2020**

Checklist #	Regulatory Citation/Legal Requirement <sup>1</sup>	Occurrence	Observation/Recommended Corrective Action
			<p>Project is complete. No active construction. Permanent control measures installed. Advanced Drainage Systems, Inc.'s MC-4500 Stormtech Chamber System installed for stormwater detention.</p> <p><i>See Figures 1 – 8.</i></p> <p><b><i>Recommend Termination based on completion of construction activity and establishment of vegetation in managed turf areas.</i></b></p> <p><b><i>The Construction Record Drawings were provided for review and include the required Engineer's Certification regarding construction of underground BMPs.</i></b></p>

Comments:

**Recommended Corrective Action Deadline:**                    **NONE**

**Targeted Re-Inspection Date:**                                    **NONE**

The recommended corrective action deadline date applies to all conditions noted on this report unless otherwise noted. If listed condition(s) currently constitute non-compliance and/or corrective actions are not completed by the deadline, other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector Signature: \_\_\_\_\_  \_\_\_\_\_ Date: 11/19/2020

<sup>1</sup> Refers to applicable regulation found in the most recent publication of the State Water Control Law (Va. Code § 62.1-44.2 et seq.), Virginia Erosion and Sediment Control Regulations (9VAC25-840), the Virginia Stormwater Management Program (VSMP) Regulations (9VAC25-870), or the General VPDES Permit for Discharges of Stormwater from Construction Activities (9VAC25-880).  
 Rev. 6/2019

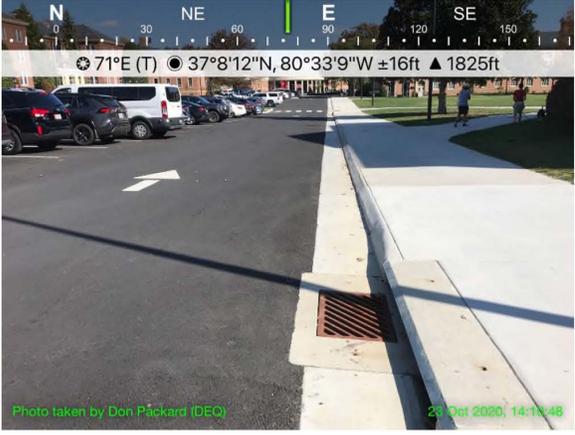
## CONSTRUCTION GENERAL PERMIT SITE INSPECTION PHOTO LOG

Project Name: RU Fairfax Street Improvements Permit Number: VAR10N374 Date: 10/23/2020

<p><b>Fig. 1</b>        Description: Managed turf areas are well established. Area south of Heth Hall.</p>  <p style="font-size: small; color: green;">Photo taken by Don Packard (DEQ) 23 Oct 2020, 14:05:23</p>	<p><b>Fig. 2</b>        Description: Access to underground detention system. At the east end of the system.</p>  <p style="font-size: small; color: green;">Photo taken by Don Packard (DEQ) 23 Oct 2020, 14:05:18</p>
<p><b>Fig. 3</b>        Description: Access to underground detention system. Approximately the middle of the system.</p>  <p style="font-size: small; color: green;">Photo taken by Don Packard (DEQ) 23 Oct 2020, 14:05:54</p>	<p><b>Fig. 4</b>        Description: Egress from parking lot. Managed turf areas are well established.</p>  <p style="font-size: small; color: green;">Photo taken by Don Packard (DEQ) 23 Oct 2020, 14:09:45</p>

## CONSTRUCTION GENERAL PERMIT SITE INSPECTION PHOTO LOG

Project Name: RU Fairfax Street Improvements Permit Number: VAR10N374 Date: 10/23/2020

<p>Fig. 5 Description: Parking lot entrance.</p> 	<p>Fig. 6 Description: Access to underground detention system. At the west end of the system.</p> 
<p>Fig. 7 Description: Structure 400SD-1. North of Ingles Hall.</p> 	<p>Fig. 8 Description: Managed turf areas are well established.</p> 

# Appendix D

## Post-Construction Stormwater Management

### EXECUTIVE SUMMARY

Gay and Neel, Inc. investigated the 10 BMP facilities on campus to determine if they met compliance in regard to the original design as well as determining if the facilities were being maintained properly. The 2020 report completed by GNI referenced some of the original three main areas of concern for the existing facilities on campus:

- 1) Sediment accumulation,
- 2) Invasive species,
- 3) Excessive vegetation growth.

Radford University has been working on the areas of concern and has addressed many of the original concerns from previous reports. Since 2019, RU still has excessive growth around some of the existing BMPs; it is suggested that this excessive growth be better managed and removed on a regular basis. We noted that in some cases, BMP's showed signs of excessive vegetative growth in certain areas of the facility that make it difficult to inspect the berms and the facility components. This seems to be an issue for two for the above ground detention ponds and the constructed wetland areas. Aside from the three previously mentioned BMP's, the other facilities on campus seem to be well maintained.

The underground detentions have been maintained in excellent condition as well as the majority of the other detention facilities on campus. This report has seen no signs of increase in sediment in the underground facilities. However, it should be noted that some are close to reaching the 5% mark and may require sediment removal.

The constructed wetland area had the most concerns from the previous reports and the current inspections show excess vegetation and difficulty inspecting the BMP. The excessive vegetative growth makes inspections less effective to monitor for invasive species and to check for maintenance issues within the facility.

In summary, this report emphasizes the need to continue sediment monitoring, manage vegetation growth at the existing BMPs and to keep any invasive species out of the existing Constructed Wetland BMP. Therefore, we recommend increasing the maintenance schedule for each above ground BMP which include RU-BMP-WT-1, RU-BMP-AL-1, and RU-BMP-AR-1. Typical mowing should be monthly or at least twice a year. This will allow for better access to the facility and inspections. In addition, clean and remove debris quarterly to allow for access at risers and other facility features.

The report in its entirety can be viewed on the Radford University MS4 website at <https://www.radford.edu/content/sustainability/home/resources/stormwater-management.html>



*VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY*

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Matthew J. Strickler  
Secretary of Natural Resources

David K. Paylor  
Director  
(804) 698-4000

May 29, 2020

Radford University  
Box 6909 DEA Complex 0136  
Radford, VA 24141  
[cshelton19@radford.edu](mailto:cshelton19@radford.edu)

RE: Coverage under the VPDES Construction General Permit (VAR10)  
General Permit Number **VAR10N782**  
Radford University Fairfax Street Improvements  
Educational  
Radford

Dear Permittee:

DEQ has reviewed your Registration Statement received complete on May 29, 2020 and determined that the proposed 2.47 acre land-disturbing activity is covered under the General VPDES Permit for Discharges of Stormwater from Construction Activities (VAR10). The effective date of your coverage under this general permit is July 1, 2019 or the date of this letter, whichever is later. You may obtain a copy of the general permit from <http://www.deq.virginia.gov/Portals/0/DEQ/Water/Publications/CGP2019.pdf>.

The general permit contains the conditions of coverage and Stormwater Pollution Prevention Plan (SWPPP) requirements. Please print the general permit and read it carefully as you will be responsible for compliance with all permit conditions. Coverage under this construction general permit does not relieve the operator of complying with all other federal, state, or local laws and regulations.

Our records indicate that your site may discharge to waters identified as impaired or exceptional. Please see below for additional requirements:

1. Does this proposed land-disturbing activity discharge to a surface water identified as impaired or for which a TMDL wasteload allocation has been established and approved prior to the term of the general permit for for (i) sediment or a sediment-related parameter or (ii) nutrients? **No**. If **YES**, then the following general permit (Part I B 4 a) and SWPPP requirements (Part II B 5) must be implemented for the land-disturbing activity:
  - Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site;
  - Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan and shall not be applied during rainfall events;
  - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and
  - Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.

2. Does this proposed land-disturbing activity discharge to a surface water identified as impaired or for which a TMDL wasteload allocation has been established and approved prior to the term of the general permit for polychlorinated biphenyl (PCB)? **Yes**. If **YES**, then the following general permit (Part I B 4 b) and SWPPP requirements (Part II B 6) must be implemented for the land-disturbing activity **if** the construction activity involves the demolition of structures (i) equal to or greater than 10,000 square feet and (ii) built or renovated on or before January 1, 1980:
  - Implement an approved erosion and sediment control plan;
  - Dispose of PCB-contaminated materials in compliance with applicable state, federal, and local requirements to minimize the exposure of PCB-containing building materials;
  - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and
  - Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.
  
3. Does this proposed land-disturbing activity discharge to an exceptional water as identified in Section 30 of the Water Quality Standards, 9VAC 25-260? **No**. If **YES**, then the following general permit (Part I B 5) and SWPPP requirements (Part II B 7) must be implemented for the land-disturbing activity:
  - Permanent or temporary soil stabilization shall be applied to denuded areas within seven (7) days after final grade is reached on any portion of the site;
  - Nutrients (e.g., fertilizers) shall be applied in accordance with manufacturer's recommendations or an approved nutrient management plan and shall not be applied during rainfall events;
  - Inspections shall be conducted at a frequency of (i) at least once every four (4) business days or (ii) at least once every (5) business days and no later than 24 hours following a measurable storm event. In the event that a measurable storm event occurs when there are more than 24 hours between business days, the inspection shall be conducted on the next business day; and
  - Representative inspections used by utility line installation, pipeline construction, or other similar linear construction activities shall inspect all outfalls.

The general permit requires that you submit a complete Notice of Termination packet no later than 30 days after meeting one or more of the termination conditions set forth in the general permit (Part I F). In accordance with the Virginia Stormwater Management Program State Permit Fee Regulation (9VAC 25-870-830), you may be required to pay an annual permit maintenance fee until coverage under this general permit has been terminated. If you are required to pay an annual permit maintenance fee, you will receive an invoice from the VSMP Authority.

The general permit will expire on June 30, 2024. The conditions of the general permit require that you submit a new registration statement at least 60 days prior to that date if you wish to continue coverage under the general permit, unless permission for a later date has been granted by the Board. Permission cannot be granted to submit the registration statement after the expiration date of the general permit.

If you have any questions about this permit, please contact the DEQ Office of Stormwater Management at [ConstructionGP@deq.virginia.gov](mailto:ConstructionGP@deq.virginia.gov).

Sincerely,



Erin Ervin Belt, Manager  
Office of Stormwater Management

# Appendix E

## Pollution Prevention/Good Housekeeping



### Illicit Discharge Detection and Elimination (IDDE)

By definition, an illicit discharge is any discharge to a municipal separate storm sewer system that is not composed entirely of stormwater, except discharges pursuant to a separate VPDES or state permit (other than the state permit for discharges from the municipal separate storm sewer), discharges resulting from firefighting activities, In other words, an illicit discharge is the discharge of any substance into a storm sewer system that is **NOT** stormwater. Some examples of these substances include:

- Cleaning Supplies
- Construction Wastes (debris, sludge, etc.)
- Non-Residential Vehicle Wash
- Paint
- Vehicle Oil

*Are there exceptions to this policy?*

Yes! Below are examples of what is not an illicit discharge

- Fire Fighting Activities
- Dechlorinated Swimming Pool Discharges
- Landscape Irrigation and Lawn Watering
- Foundation/Footing Drains
- Water Line Flushing
- Discharges of Potable Water Sources
- Street Wash Water
- Air Conditioning Condensation

*What should I do if I witness an illicit discharge?*

Contact Radford University Facilities Management

If you notice any illicit discharges or have concerns about practices on Radford University grounds or construction projects please contact Facilities Management by phone at (540) 831-7800

Please be prepared to give the following information if possible:

Source of pollution.  
Location of problem.  
Responsible party (if known).  
Date and time.

*What is the difference between a storm sewer and a sanitary sewer?*

Sanitary sewers are underground pipes that carries liquid from places like the bathroom, sinks, and kitchens to a wastewater treatment plant. Substances that enter sanitary sewers are filtered and treated before being discharged.

While storm sewers may seem similar they are only designed to carry stormwater and runoff. Storm sewers are not treated and lead directly into our natural environment. Substances that are not stormwater should never be released into the storm sewer system. At Radford University, many storm sewer inlets can be identified by the “No Dumping – Drains to Stream” medallion:



*Want to find out more about Illicit Discharge Detection and Elimination?*

Other resources can be found through the [EPA](#), or the [DEQ State General Permit](#).

Radford University's SWPP's and SOP's can be located at Radford University's MS4 website:

<https://www.radford.edu/content/sustainability/home/resources/stormwater-management.html>