

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

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
1.a. - The permittee shall implement a public education and outreach program designed to					
1.a.(1)-(3) - Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns; Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications; and Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.	The Rivanna Stormwater Education Partnership (RSEP) was founded in 2003 to provide a regional approach to educating the public about stormwater pollution prevention and stormwater management. UVA will continue to participate in RSEP. RSEP will develop a Public Outreach and Education Plan which will include efforts to increase the public's awareness of the high priority stormwater issues, list of planned outreach and education programs, the public audience, the strategies to be used for communication, and the anticipated time periods the messages will be communicated or made available to the public. Cost and resource sharing allows RSEP members to participate in a more effective and robust approach to public outreach and education.	RSEP will meet at least 6 times per year and maintain a website with information about stormwater pollution prevention and management. RSEP will continue to provide general education to the public through brochures, ads, etc. Whenever possible, illegal discharge-related messages will be incorporated into greater outreach campaigns.	The RSEP website can be found at <a href="http://rivanna-stormwater.org">http://rivanna-stormwater.org</a> . UVA's stormwater website can be found at <a href="https://pollutionprevention.virginia.edu/stormwater-mgmt/">https://pollutionprevention.virginia.edu/stormwater-mgmt/</a> . RSEP's Outreach and Education Plan is included in on the website's Outreach and Education page: <a href="https://pollutionprevention.virginia.edu/stormwater-mgmt/education-outreach/">https://pollutionprevention.virginia.edu/stormwater-mgmt/education-outreach/</a> . Some planned outreach and education efforts may be modified due to COVID-19 restrictions on in-person gatherings issued by the Governor of Virginia and the UVA President. Any such modifications will be noted in the appropriate annual report.	Existing, Ongoing	ER, FM, RSEP
1.b. - The permittee shall identify no less than three high-priority stormwater issues to meet the goal of educating the public in accordance with Part I E 1 a. High-priority issues may include the following examples: Chesapeake Bay nutrients, pet wastes, local receiving water impairments, TMDLs, high-quality receiving waters, and illicit discharges from commercial sites.					
(there are no sub sections to this requirement)	Through RSEP, local entities identified the three high priority water quality issues that are of greatest concern to the local community: runoff volume reductions, potential runoff pollutants, and TMDL impairments as the three high priority stormwater issues. The rationale for choosing these issues is described within the RSEP Outreach and Education Plan. In addition to participation in RSEP campaigns, UVA will undertake efforts to specifically target the University student population.	Number of stormwater education and outreach campaigns undertaken annually which target the identified high priority water quality issues.	Same documentation as described in 1.a.(1)-(3).	Existing, Ongoing	ER, FM, RSEP
1.c. - The high-priority public education and outreach program, as a whole, shall:					
1.c. (1)-(4) - Clearly identify the high-priority stormwater issues; Explain the importance of the high-priority stormwater issues; Include measures or actions the public can take to minimize the impact of the high-priority stormwater issues; and Provide a contact and telephone number, website, or location where the public can find out more information.	The RSEP Outreach and Education Plan as described in 1.a.(1)-(3) includes a list of planned outreach and education programs, the public audience, the strategies to be used for communication, and the anticipated time periods the messages will be communicated or made available to the public. RSEP and UVA will ensure that the educational and outreach program includes the required information.	Number of educational efforts undertaken annually.	Same documentation as described in 1.a.(1)-(3).	Existing, Ongoing	ER, FM, RSEP

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1.d. - The permittee shall use two or more of the strategies listed in Table 1 below per year to communicate to the public the high-priority stormwater issues identified in accordance with Part I E 1 b including how to reduce stormwater pollution.					
Table 1 Strategies: Traditional written materials; Alternative materials; Signage; Media Materials; Speaking engagements; Curriculum materials; Training materials	RSEP's Outreach and Education Plan (available at <a href="https://pollutionprevention.virginia.edu/stormwater-mgmt/education-outreach/">https://pollutionprevention.virginia.edu/stormwater-mgmt/education-outreach/</a> ) provides specifics on planned strategies to be used. The Plan will be updated during the permit cycle if new strategies are identified.	Utilize two or more strategies annually to communicate high priority stormwater issues either through RSEP or at UVA individually.	Same documentation as described in 1.a.(1)-(3).	Existing, Ongoing	ER, FM, RSEP
1.e. - The permittee may coordinate its public education and outreach efforts with other MS4 permittees; however, each permittee shall be individually responsible for meeting all of its state permit requirements.					
(there are no sub sections to this requirement)	UVA partners with other RSEP members, including Albemarle County and the City of Charlottesville, on its public education and outreach strategy. However, each permittee reports compliance with the permit requirements individually in their annual report. In addition, UVA may undertake additional public outreach and education measures beyond those planned with RSEP.	Compliance with state permit requirements.	Same documentation as described in 1.a.(1)-(3).	Existing, Ongoing	ER, FM, RSEP
<b>Additional Comments on Public Education and Outreach</b>	The MS4 Program Plan is a planning document to aid UVA staff in management of UVA's MS4 program. Revisions to the anticipated BMPs described in this MS4 Program Plan are expected throughout the life of this permit as part of the iterative process to reduce pollutant loading and protect water quality to the maximum extent practical. Each MCM will be reviewed and evaluated annually for effectiveness to determine whether or not changes to the MS4 Program Plan are necessary. Revisions required as a result of the iterative process or through evaluation of program effectiveness will be noted during the annual reporting process and appropriate updates will be made to the MS4 Program Plan. Internal documents, policies, and SOPs referenced in the Program Plan are intended to provide guidance and UVA reserves the right to change these documents at any time and in any manner. The MS4 General Permit requires these documents to be in place and the presence of the documents, not the details of their content, are the enforceable requirement of the permit. Revisions to the MS4 Program Plan or referenced documents will be made within 60 days upon discovery of the need for a change unless otherwise specified in the permit language. All BMPs and strategies are being implemented with consideration for the Chesapeake Bay and Local TMDLs and to support developing action plans to address such TMDLs in accordance with MS4 regulatory requirements. Unless otherwise stated, no monitoring data is collected for the MS4 program. Any documents noted as available upon request may be requested by emailing storm-water@virginia.edu.				

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 EHS - UVA Office of Environmental Health and Safety  
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**Minimum Control Measure No. 2: Public Involvement and Participation**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<b>2.a. - The permittee shall develop and implement procedures for the following:</b>					
2.a.(1)-(5) - The public to report potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns; The public to provide input on the permittee's MS4 program plan; Receiving public input or complaints; Responding to public input received on the MS4 program plan or complaints; and Maintaining documentation of public input received on the MS4 program and associated MS4 program plan and the permittee's response.	The public can report input on discharges or spills via the RSEP or UVA website. The public can provide input about UVA's program plan via the UVA website. UVA will maintain records of all public input or complaints received, responses provided, and how the comment was incorporated into the MS4 Program Plan or how the complaint was handled. Input received about the MS4 program will be provided with the appropriate annual report. Reported spills and illicit discharges will be tracked on a separate spreadsheet as described in 3.c.(1).	The public can easily find reporting information on UVA's MS4, illicit discharges or spills on the UVA website. The public can also easily report illicit discharge or spill information via the RSEP website. Both websites are regularly maintained.	<a href="http://rivanna-stormwater.org">http://rivanna-stormwater.org</a> <a href="https://pollutionprevention.virginia.edu/stormwater-mgmt/">https://pollutionprevention.virginia.edu/stormwater-mgmt/</a>	Existing, Ongoing	ER, FM, RSEP
<b>2.b. - No later than three months after this permit's effective date, the permittee shall develop and maintain a webpage dedicated to the MS4 program and stormwater pollution prevention. The following information shall be posted on this webpage:</b>					
2.b.(1)-(5) - The effective MS4 permit and coverage letter; The most current MS4 program plan or location where the MS4 program plan can be obtained; The annual report for each year of the term covered by this permit no later than 30 days after submittal to the department; A mechanism for the public to report potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns in accordance with Part I E 2 a (1); and Methods for how the public can provide input on the permittee's MS4 program plan in accordance with Part I E 2 a (2).	All required MS4 permit related information, including a mechanism for the public to report environmental concerns, is posted on the FM website. The public can provide comments on UVA's MS4 program plan at any time during the permit cycle at the same website.	Copies of the plan, annual report, and opportunities to provide input are kept up to date and are readily available to the public. Any documents will be posted within 30 days of submittal or completion.	<a href="https://pollutionprevention.virginia.edu/stormwater-mgmt/MS4-permit/">https://pollutionprevention.virginia.edu/stormwater-mgmt/MS4-permit/</a> <a href="https://pollutionprevention.virginia.edu/stormwater-mgmt/">https://pollutionprevention.virginia.edu/stormwater-mgmt/</a>	Existing, Ongoing	ER, FM

**Minimum Control Measure No. 2: Public Involvement and Participation**

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2.c. - The permittee shall implement no less than four activities per year from two or more of the categories listed in Table 2 below to provide an opportunity for public involvement to improve water quality and support local restoration and clean-up projects.					
Table 2 Public Involvement Opportunities - Monitoring, restoration, educational events, disposal or collection events, pollution prevention.	As part of the RSEP Education and Outreach plan described in 1.a.(1)-(3), activities have been identified for public involvement. In addition to participation in RSEP campaigns, UVA will undertake efforts to specifically target the University student population via efforts with UVA's Office for Sustainability and the Clean Water Working Group.	Participate in a minimum of four activities annually either through RSEP or as UVA individually.	Same documentation as described in 1.a.(1)-(3).	Existing, Ongoing	ER, FM, RSEP
2.d. - The permittee may coordinate the public involvement opportunities listed in Table 2 with other MS4 permittees; however, each permittee shall be individually responsible for meeting all of the permit requirements.					
(there are no sub sections to this requirement)	UVA partners with other RSEP members, including Albemarle County and the City of Charlottesville, on its public involvement and participation efforts. However, each permittee reports compliance with the permit requirements individually in their annual report. In addition, UVA may undertake additional public involvement opportunities beyond those planned with RSEP	Compliance with state permit requirements.	Same documentation as described in 1.a.(1)-(3).	Existing, Ongoing	ER, FM, RSEP
<b>Additional Comments on Public Involvement and Participation</b>	The MS4 Program Plan is a planning document to aid UVA staff in management of UVA's MS4 program. Revisions to the anticipated BMPs described in this MS4 Program Plan are expected throughout the life of this permit as part of the iterative process to reduce pollutant loading and protect water quality to the maximum extent practical. Each MCM will be reviewed and evaluated annually for effectiveness to determine whether or not changes to the MS4 Program Plan are necessary. Revisions required as a result of the iterative process or through evaluation of program effectiveness will be noted during the annual reporting process and appropriate updates will be made to the MS4 Program Plan. Internal documents, policies, and SOPs referenced in the Program Plan are intended to provide guidance and UVA reserves the right to change these documents at any time and in any manner. The MS4 General Permit requires these documents to be in place and the presence of the documents, not the details of their content, are the enforceable requirement of the permit. Revisions to the MS4 Program Plan or referenced documents will be made within 60 days upon discovery of the need for a change unless otherwise specified in the permit language. All BMPs and strategies are being implemented with consideration for the Chesapeake Bay and Local TMDLs and to support developing action plans to address such TMDLs in accordance with MS4 regulatory requirements. Unless otherwise stated, no monitoring data is collected for the MS4 program. Any documents noted as available upon request may be requested by emailing storm-water@virginia.edu.				

**Minimum Control Measure No. 2: Public Involvement and Participation**

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

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<b>3.a. The permittee shall develop and maintain an accurate MS4 map and information table as follows:</b>					
<p>3.a.(1) - A map of the storm sewer system owned or operated by the permittee within the census urbanized area identified by the 2010 decennial census that includes, at a minimum: (a) MS4 outfalls discharging to surface waters, except as follows: In cases where the outfall is located outside of the MS4 permittee's legal responsibility, the permittee may elect to map the known point of discharge location closest to the actual outfall; and In cases where the MS4 outfall discharges to receiving water channelized underground, the permittee may elect to map the point downstream at which the receiving water emerges above ground as an outfall discharge location. If there are multiple outfalls discharging to an underground channelized receiving water, the map shall identify that an outfall discharge location represents more than one outfall. This is an option a permittee may choose to use and recognizes the difficulties in accessing outfalls to underground channelized stream conveyances for purposes of mapping, screening, or monitoring. (b) A unique identifier for each mapped item required in Part I E 3; (c) The name and location of receiving waters to which the MS4 outfall or point of discharge discharges; (d) MS4 regulated service area; and (e) stormwater management facilities owned or operated by the permittee.</p>	<p>GIS technology is used to accurately map all stormwater discharge outfall locations and associated required information. All stormwater outfalls or points of discharge have been identified for annual inspection and illicit discharge tracking. Maps are updated as outfall locations change due to construction projects. The map will be maintained and updated as soon as possible after changes occur but no later than October 1 of each year for changes occurring through June 30 of that same year.</p>	<p>Accurate, up-to-date inventory of UVA's storm sewer system, including all outfalls and points of discharge.</p>	<p>A GIS map and associated information table is stored on a secure UVA site and may be made available upon request.</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>

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

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p>3.a.(2) - The permittee shall maintain an information table associated with the storm sewer system map that includes the following information for each outfall or point of discharge for those cases in which the permittee elects to map the known point of discharge in accordance with Part I E 3 a (1) (a): (a) A unique identifier as specified on the storm sewer system map; (b) The latitude and longitude of the outfall or point of discharge; (c) The estimated regulated acreage draining to the outfall or point of discharge; (d) The name of the receiving water; (e) The 6th Order Hydrologic Unit Code of the receiving water; (f) An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report; (g) The predominant land use for each outfall discharging to an impaired water; and (h) The name of any EPA approved TMDLs for which the permittee is assigned a waste load allocation.</p>	<p>UVA will continue to utilize GIS technology to accurately map all stormwater discharge outfall locations and associated required information. New information that was not previously required, such as predominant land use, will be added during this permit cycle. The information table will be maintained and updated as changes occur.</p>	<p>Accurate, up-to-date inventory of UVA's storm sewer system.</p>	<p>Same map and information table as described in 3.a.(1).</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p>3.a.(3) - No later than July 1, 2019, the permittee shall submit to DEQ a GIS-compatible shape file of the permittee's MS4 map as described in Part I E 3 a. If the permittee does not have an MS4 map in a GIS format, the permittee shall provide the map as a PDF document.</p>	<p>As described in 3.a(1)-(2), UVA maintains an accurate GIS map and associated information table with information about UVA's storm sewer system and outfalls. This shape file will be shared with DEQ by the stated deadline.</p>	<p>Submittal of GIS shape file of UVA's MS4 map to DEQ by the specified deadline.</p>	<p>Same map and information table as described in 3.a.(1).</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p>3.a.(4) - No later than October 1 of each year, the permittee shall update the storm sewer system map and outfall information table to include any new outfalls constructed or TMDLs approved or both during the immediate preceding reporting period.</p>	<p>As described in 3.a(1)-(2), UVA maintains an accurate GIS map and associated information table with information about UVA's storm sewer system and outfalls. These are updated as changes are made but, at minimum, will be updated no later than October 1 annually.</p>	<p>Accurate, up-to-date inventory of UVA's storm sewer system, updated by the specified deadline.</p>	<p>Same map and information table as described in 3.a.(1).</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>

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

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
3.a.(5) - The permittee shall provide written notification to any downstream adjacent MS4 of any known physical interconnection established or discovered after the effective date of this permit.	UVA has provided written notification to the City of Charlottesville regarding physical interconnections to their MS4. Letters were also sent to Albemarle County and VDOT, though no physical interconnections have been identified to date. UVA will continue to maintain an up-to-date GIS map to identify any physical interconnections that may be made in the future.	Neighboring MS4s are informed of physical interconnections with UVA.	Copies of the written notification letters are available upon request.	Existing, Ongoing	ER, FM
3.b. - The permittee shall prohibit, through ordinance, policy, standard operating procedures, or other legal mechanism, to the extent allowable under federal, state, or local law, regulations, or ordinances, unauthorized nonstormwater discharges into the storm sewer system. Nonstormwater discharges or flows identified in 9VAC25-890-20 D 3 shall only be addressed if they are identified by the permittee as a significant contributor of pollutants discharging to the MS4. Flows that have been identified by the department as de minimis discharges are not significant sources of pollutants to surface water.					
(there are no sub sections to this requirement)	UVA has a policy specifically stating the University will prevent University activities from polluting the environment. All SOPs developed for activities which could create unauthorized nonstormwater discharges, reference illicit discharges as the reason the SOP is required. In addition, UVA has control of all activities occurring on UVA property and can work to address illicit discharge causing activity as soon as possible upon discovery.	Number of illicit discharges each year.	UVA's environmental policy is available here: <a href="https://uvapolicy.virginia.edu/policy/SEC-002">https://uvapolicy.virginia.edu/policy/SEC-002</a> UVA's SOPs are available here: <a href="https://pollutionprevention.virginia.edu/soppp/">https://pollutionprevention.virginia.edu/soppp/</a>	Existing, Ongoing	ER, FM
3.c. The permittee shall maintain, implement, and enforce illicit discharge detection and elimination (IDDE) written procedures designed to detect, identify, and address unauthorized nonstormwater discharges, including illegal dumping, to the small MS4 to effectively eliminate the unauthorized discharge. Written procedures shall include:					
3.c.(1) - A description of the legal authorities, policies, standard operating procedures or other legal mechanisms available to the permittee to eliminate identified sources of ongoing illicit discharges including procedures for using legal enforcement authorities.	UVA has developed an SOP for Illicit Discharge Detection, for Sanitary Sewer Overflows, for responding to Bacteria Response related to RCA stream monitoring, and also for conducting Outfall Inspections. Since UVA owns the property on which its MS4 is located, illicit discharges on UVA property can be eliminated by addressing the activity causing the illicit discharge. UVA will continue to follow procedure for reporting and tracking illicit discharges and procedures for enforcing policies.	Follow SOPs and document number of spills, SSOs, and illicit discharge investigations annually.	UVA maintains a spreadsheet of all spills, illicit discharges, and incidents that had the potential to become illicit discharges. This spreadsheet is available upon request. SOPs are reviewed at least annually and the most recent version is available on the UVA website: <a href="https://pollutionprevention.virginia.edu/soppp/">https://pollutionprevention.virginia.edu/soppp/</a>	Existing, Ongoing	ER, FM

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

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<p>3.c.(2) - Dry weather field screening protocols to detect, identify, and eliminate illicit discharges to the MS4. The protocol shall include: (a) A prioritized schedule of field screening activities and rationale for prioritization determined by the permittee based on such criteria as age of the infrastructure, land use, historical illegal discharges, dumping or cross connections; (b) If the total number of MS4 outfalls is equal to or less than 50, a schedule to screen all outfalls annually; (c) If the total number of MS4 outfalls is greater than 50, a schedule to screen a minimum of 50 outfalls annually such that no more than 50% are screened in the previous 12-month period. The 50% criteria is not applicable if all outfalls have been screened in the previous three years; and (d) A mechanism to track the following information: The unique outfall identifier; Time since the last precipitation event; The estimated quantity of the last precipitation event; Site descriptions; Whether or not a discharge was observed; and If a discharge was observed, the estimated discharge rate and visual characteristics of the discharge.</p>	<p>Utilize written IDDE procedures to detect illicit discharges, report them, investigate them, and document the investigation. Procedures were revised and updated to ensure compliance with new MS4 program requirements. UVA currently has more than 50 but less than 100 outfalls and plans to screen all outfalls annually. Outfalls that had problems during past inspections or that have a high potential for illicit discharges may be visited more frequently.</p>	<p>Number of outfalls screened annually.</p>	<p>UVA has a written SOP for outfall inspections as well as a form used to document outfall inspections. The outfall inspection form has been incorporated into UVA's maintenance tracking system, AiM, which allows the outfall inspections to be recorded and stored electronically.</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p>3.c.(3) - A timeframe upon which to conduct an investigation to identify and locate the source of any observed unauthorized nonstormwater discharge. Priority of investigations shall be given to discharges of sanitary sewage and those believed to be a risk to human health and public safety. Discharges authorized under a separate VPDES or state permit require no further action under this permit.</p>	<p>UVA SOPs for illicit discharge detection and sanitary sewer overflows (SSOs) require staff to respond immediately to reports received.</p>	<p>Maintain staffing and equipment to respond to reports of illicit discharges, spills, and sanitary sewer overflows immediately upon notification.</p>	<p>Same spreadsheet as described in 3.c.(1)</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>

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

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3.c.(4) - Methodologies to determine the source of all illicit discharges. If the permittee is unable to identify the source of an illicit discharge within six months of beginning the investigation then the permittee shall document that the source remains unidentified. If the observed discharge is intermittent, the permittee shall document that attempts to observe the discharge flowing were unsuccessful.	As stated in 3.c.(1), UVA has SOPs with methodologies to track illicit discharge investigations and will document if a source is unable to be identified.	Same goal as described in 3.c.(1)	Same spreadsheet as described in 3.c.(1)	Existing, Ongoing	ER, FM
3.c.(5) - Methodologies for conducting a follow-up investigation for illicit discharges that are continuous or that permittees expect to occur more frequently than a one-time discharge to verify that the discharge has been eliminated except as provided for in Part I E 3 c (4);	As stated in 3.c.(1), UVA has SOPs with methodologies to track illicit discharge investigations.	Same goal as described in 3.c.(1)	Same spreadsheet as described in 3.c.(1)	Existing, Ongoing	ER, FM
3.c.(6)(a)-(e) -A mechanism to track all illicit	As stated in 3.c.(1), UVA has a spreadsheet to track illicit	Same goal as described in 3.c.(1)	Same spreadsheet as described in 3.c.(1)	Existing,	ER, FM
<b>Additional Comments on Illicit Discharge Detection and Elimination</b>	<p>The MS4 Program Plan is a planning document to aid UVA staff in management of UVA's MS4 program. Revisions to the anticipated BMPs described in this MS4 Program Plan are expected throughout the life of this permit as part of the iterative process to reduce pollutant loading and protect water quality to the maximum extent practical. Each MCM will be reviewed and evaluated annually for effectiveness to determine whether or not changes to the MS4 Program Plan are necessary. Revisions required as a result of the iterative process or through evaluation of program effectiveness will be noted during the annual reporting process and appropriate updates will be made to the MS4 Program Plan. Internal documents, policies, and SOPs referenced in the Program Plan are intended to provide guidance and UVA reserves the right to change these documents at any time and in any manner. The MS4 General Permit requires these documents to be in place and the presence of the documents, not the details of their content, are the enforceable requirement of the permit. Revisions to the MS4 Program Plan or referenced documents will be made within 60 days upon discovery of the need for a change unless otherwise specified in the permit language. All BMPs and strategies are being implemented with consideration for the Chesapeake Bay and Local TMDLs and to support developing action plans to address such TMDLs in accordance with MS4 regulatory requirements. Unless otherwise stated, no monitoring data is collected for the MS4 program. Any documents noted as available upon request may be requested by emailing storm-water@virginia.edu.</p>				

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

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p>4.a. The permittee shall utilize its legal authority, such as ordinances, permits, orders, specific contract language, and interjurisdictional agreements, to address discharges entering the MS4 from regulated construction site stormwater runoff. The permittee shall control construction site stormwater runoff as follows:                      *only requirements pertaining to state agencies are listed below</p>					
<p>4.a.(3) -If the permittee is a state agency; public institution of higher education including community colleges, colleges, and universities; or federal entity and has developed standards and specifications in accordance with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840), the permittee shall implement the most recent department approved standards and specifications;</p>	<p>As a state agency of higher education, UVA is legally required to follow the DEQ-approved Annual Standards and Specifications (AS&amp;S) for Stormwater Management (SWM) and Erosion and Sediment Control (E&amp;SC) for all regulated land disturbing activities undertaken on UVA property, either by its internal workforce or contracted to external entities. DEQ-approved AS&amp;S include a description of the legal authorities utilized to ensure compliance with SWM and E&amp;SC regulations, personnel certification requirements, plan review and permitting requirements, inspection schedule, inspection and enforcement procedures (including all associated documents utilized during inspections), and reporting and recordkeeping requirements. The University Building Official will not issue a building permit for a project without documented approval of E&amp;SC and SWM Plans, if applicable. E&amp;SC plans must be approved by a certified plan reviewer prior to the commencement of land disturbing activities. Currently UVA has an MOU with the Thomas Jefferson Soil and Water Conservation District (TJSWCD) to conduct plan review, but UVA also retains authority and has staff certified to perform the reviews.</p>	<p>Number of inspections conducted annually.</p>	<p>The latest UVA AS&amp;S for SWM and E&amp;SC and associated approval letter from DEQ is available on the FM website at: <a href="https://pollutionprevention.virginia.edu/construction/land-disturbing-activities/">https://pollutionprevention.virginia.edu/construction/land-disturbing-activities/</a>  UVA's MOU with the TJSWCD for plan review services is available upon request.</p>	<p>Existing, Ongoing</p>	<p>ER, FM, OUBO</p>

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

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p>4.b - The permittee shall require implementation of appropriate controls to prevent nonstormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils, and other illicit discharges identified during land disturbing activity inspections of the MS4. The discharge of nonstormwater discharges other than those identified in 9VAC25-890-20 D through the MS4 is not authorized by this state permit.</p>					
<p>(there are no sub sections to this requirement)</p>	<p>Land disturbances over 1 acre must obtain a General VPDES Permit for Discharges of Stormwater from Construction Activities, which requires preparation of a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP requires the site contractors to identify and implement appropriate controls to prevent nonstormwater discharges. For sites that do not have SWPPPs, UVA dual SWM and E&amp;SC inspectors inspect sites for compliance with SWPPP principles and include issues of non-compliance in routine E&amp;SC inspection reports of the site. Beginning in January 2019, UVA's SOPs have been shared with contractors during pre-construction meetings.</p>	<p>Number of inspections conducted annually.</p>	<p>The latest UVA AS&amp;S for SWM and E&amp;SC and associated approval letter from DEQ is available on the UVA website at: <a href="https://pollutionprevention.virginia.edu/construction/land-disturbing-activities/">https://pollutionprevention.virginia.edu/construction/land-disturbing-activities/</a> The latest UVA SOPs are available on the UVA website at: <a href="https://pollutionprevention.virginia.edu/sopp/">https://pollutionprevention.virginia.edu/sopp/</a></p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p><b>Additional Comments on Construction Site Stormwater Runoff Control</b></p> <p>The MS4 Program Plan is a planning document to aid UVA staff in management of UVA's MS4 program. Revisions to the anticipated BMPs described in this MS4 Program Plan are expected throughout the life of this permit as part of the iterative process to reduce pollutant loading and protect water quality to the maximum extent practical. Each MCM will be reviewed and evaluated annually for effectiveness to determine whether or not changes to the MS4 Program Plan are necessary. Revisions required as a result of the iterative process or through evaluation of program effectiveness will be noted during the annual reporting process and appropriate updates will be made to the MS4 Program Plan. Internal documents, policies, and SOPs referenced in the Program Plan are intended to provide guidance and UVA reserves the right to change these documents at any time and in any manner. The MS4 General Permit requires these documents to be in place and the presence of the documents, not the details of their content, are the enforceable requirement of the permit. Revisions to the MS4 Program Plan or referenced documents will be made within 60 days upon discovery of the need for a change unless otherwise specified in the permit language. All BMPs and strategies are being implemented with consideration for the Chesapeake Bay and Local TMDLs and to support developing action plans to address such TMDLs in accordance with MS4 regulatory requirements. Unless otherwise stated, no monitoring data is collected for the MS4 program. Any documents noted as available upon request may be requested by emailing <a href="mailto:storm-water@virginia.edu">storm-water@virginia.edu</a>.</p>					

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 RSEP - Rivanna Stormwater Education Partnership

**Minimum Control Measure No. 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p>5.a. The permittee shall address post construction stormwater runoff that enters the MS4 from the following land disturbing activities by implementing a post-construction stormwater runoff management program.</p>					
<p>*only requirements pertaining to state agencies are listed below</p>					
<p>5.a.(3) If the permittee is a state agency; public institution of higher education including community colleges, colleges, and universities; or federal entity and has developed standards and specifications in accordance with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870), the permittee shall implement the most recent department approved standards and specifications and develop an inspection and maintenance program in accordance with Part I E 5 b;</p>	<p>As a state agency of higher education, UVA is legally required to follow the DEQ-approved Annual Standards and Specifications (AS&amp;S) for Stormwater Management (SWM) and Erosion and Sediment Control (E&amp;SC) for all regulated land disturbing activities undertaken on UVA property. DEQ is the program authority for UVA AS&amp;S. The AS&amp;S include a description of the legal authorities utilized to ensure compliance with SWM and E&amp;SC regulations, personnel certification requirements, plan review and permitting requirements, inspection schedule, inspection and enforcement procedures (including all associated documents utilized during inspections), and reporting and recordkeeping requirements. The University Building Official will not issue a building permit for a project without documented approval of SWM Plans, if applicable. Currently, UVA has three staff members certified in plan review. UVA currently has four staff members with dual inspector certifications and one with individual E&amp;SC and SWM inspection certifications.</p>	<p>Number of projects reviewed annually to ensure stormwater runoff from UVA construction sites is managed appropriately for each site.</p>	<p>The latest UVA AS&amp;S for SWM and E&amp;SC and associated approval letter from DEQ is available on the UVA website at: <a href="https://pollutionprevention.virginia.edu/construction/land-disturbing-activities/">https://pollutionprevention.virginia.edu/construction/land-disturbing-activities/</a></p>	<p>Existing, Ongoing</p>	<p>ER, FM, OUBO</p>
<p>5.b. The permittee shall implement an inspection and maintenance program for those stormwater management facilities owned or operated by the permittee that discharges to the MS4 as follows:</p>					
<p>5.b(1) The permittee shall develop and maintain written inspection and maintenance procedures in order to ensure adequate long-term operation and maintenance of its stormwater management facilities;</p>	<p>UVA owns and maintains all SWM facilities on its property within the MS4 with the exception of BMPs located on UVA property that is on a long-term lease to a local governmental agency. Each UVA facility has its own written inspection and maintenance procedures. Maintenance of the entire property on long term lease is the responsibility of the leasee.</p>	<p>BMPs are thoroughly inspected routinely to ensure proper function. New BMP inspection and maintenance procedures are created as new BMPs are added to UVA property.</p>	<p>UVA has a written SOP for BMP Inspection and maintenance as well as forms used to document the inspections. The inspection forms have been incorporated into UVA's maintenance tracking system, AiM, a database which allows the inspections to be recorded and stored electronically. Individual inspection checklists for each facility are maintained by ER or FM and available upon request.</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>

**Minimum Control Measure No. 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
5.b.(2) - The permittee shall inspect stormwater management facilities owned or operated by the permittee no less than once per year.	All facilities are inspected at least annually, but some are visited more frequently for a quick inspection and routine maintenance, such as trash and debris removal.	Number of inspections completed. Routine maintenance, such as mowing or trash removal, is not tracked.	Inspection and maintenance procedures described in 5.b(1).	Existing, Ongoing	ER, FM
5.b.(3) - If during the inspection of the stormwater management facility conducted in accordance with Part I E 5 b (2), it is determined that maintenance is required, the permittee shall conduct the maintenance in accordance with the written procedures developed under Part I E 5 b (4).	ER or FM staff receive and review all BMP inspection and maintenance written reports. ER or FM staff make arrangements for BMP maintenance in the event maintenance is more extensive than the inspection staff were able to take care of on their own.	Number of maintenance items reported. Not all maintenance items require immediate attention, but are tracked to observe patterns.	Inspection and maintenance procedures described in 5.b(1).	Existing, Ongoing	ER, FM
5.c. - This permit condition applies to Cities, Counties, or Towns. As a state agency, this condition does not apply to UVA and thus is not included.					
5.d. The permittee shall maintain an electronic database or spreadsheet of all known permittee owned or permittee-operated and privately owned stormwater management facilities that discharge into the MS4. The database shall also include all BMPs implemented by the permittee to meet the Chesapeake Bay TMDL load reduction as required in Part II A. A database shall include the following information as applicable:					
5.d.(1)-(9) The stormwater management facility or BMP type; The stormwater management facility or BMPs location as latitude and longitude; The acres treated by the stormwater management facility or BMP, including total acres, pervious acres, and impervious acres; The date the facility was brought online (MM/YYYY). If the date brought online is not known, the permittee shall use June 30, 2005; The 6th Order Hydrologic Unit Code in which the stormwater management facility is located; Whether the stormwater management facility or BMP is owned or operated by the permittee or privately owned; Whether or not the stormwater management facility or BMP is part of the permittee's Chesapeake Bay TMDL action plan required in Part II A or local TMDL action plan required in Part II B, or both; If the stormwater management facility or BMP is privately owned, whether a maintenance agreement exists; and The date of the permittee's most recent inspection of the stormwater management facility or BMP.	UVA maintains a stormwater BMP database in AiM that contains all of the information required in 5.d.(1)-(9). AiM will be updated no later than 30 days after a new BMP is brought online, a BMP is implemented to meet TMDL requirements, or an existing BMP is discovered. In addition to AiM, UVA also maintains a stormwater BMP spreadsheet that includes tracking BMPs that are in the planning and construction stages.	An accurate, up-to-date BMP spreadsheet.	ER maintains a Tableau report that pulls BMP data from AiM that can be reviewed upon request by emailing storm-water at virginia.edu. Tableau is a data visualization tool that is used for easier viewing of all BMP information in one report.	Existing, Ongoing	ER, FM

**Minimum Control Measure No. 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
5.e. The electronic database or spreadsheet shall be updated no later than 30 days after a new stormwater management facility is brought online, a new BMP is implemented to meet a TMDL load reduction as required in Part II, or discovered if it is an existing stormwater management facility.					
(there are no sub sections to this requirement)	Maintain inventory of stormwater management facilities. Continue to update existing facility inventory database and GIS map as described in 3.a.(1) and include new requirement for this permit cycle to include whether the facility or BMP is part of a TMDL action plan. New BMPs are integrated into AiM and the associated Tableau report upon completion of the project.	An accurate, up-to-date BMP database in AiM and associated Tableau report.	The BMP database and Tableau reports are maintained as described in 5.d.(1)-(9).	Existing, Ongoing	ER, FM
5.f. The permittee shall use the DEQ Construction Stormwater Database or other application as specified by the department to report each stormwater management facility installed after July 1, 2014, to address the control of post-construction runoff from land disturbing activities for which the permittee is required to obtain a General VPDES Permit for Discharges of Stormwater from Construction Activities.					
(there are no sub sections to this requirement)	When the operator for a site with a construction general permit submits a notice of termination, they are required to submit a list of BMPs that were added to the site during construction. DEQ is the program authority for UVA's AS&S and as such, DEQ enters stormwater management facility information into the database as part of the construction general permit termination process.	Stormwater management facilities are reported to DEQ as required.	None.	Ongoing	ER
5.g. No later than October 1 of each year, the permittee shall electronically report the stormwater management facilities and BMPs implemented between July 1 and June 30 of each year using the DEQ BMP Warehouse and associated reporting template for any practices not reported in accordance with Part I E 5 f including stormwater management facilities installed to control post-development stormwater runoff from land disturbing activities less than one acre in accordance with the Chesapeake Bay Preservation Act regulations (9VAC25-830) and for which a General VPDES Permit for Discharges of Stormwater from Construction Activities was not required.					
(there are no sub sections to this requirement)	ER will report stormwater management facilities and BMP installations as specified by this requirement upon installation or in conjunction with submission of UVA's annual report.	Stormwater management facilities are reported to DEQ as required.	None.	Ongoing	ER

**Minimum Control Measure No. 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p><b>Additional Comments on Post-Construction Stormwater Management</b></p>	<p>The MS4 Program Plan is a planning document to aid UVA staff in management of UVA's MS4 program. Revisions to the anticipated BMPs described in this MS4 Program Plan are expected throughout the life of this permit as part of the iterative process to reduce pollutant loading and protect water quality to the maximum extent practical. Each MCM will be reviewed and evaluated annually for effectiveness to determine whether or not changes to the MS4 Program Plan are necessary. Revisions required as a result of the iterative process or through evaluation of program effectiveness will be noted during the annual reporting process and appropriate updates will be made to the MS4 Program Plan. Internal documents, policies, and SOPs referenced in the Program Plan are intended to provide guidance and UVA reserves the right to change these documents at any time and in any manner. The MS4 General Permit requires these documents to be in place and the presence of the documents, not the details of their content, are the enforceable requirement of the permit. Revisions to the MS4 Program Plan or referenced documents will be made within 60 days upon discovery of the need for a change unless otherwise specified in the permit language. All BMPs and strategies are being implemented with consideration for the Chesapeake Bay and Local TMDLs and to support developing action plans to address such TMDLs in accordance with MS4 regulatory requirements. Unless otherwise stated, no monitoring data is collected for the MS4 program. Any documents noted as available upon request may be requested by emailing storm-water@virginia.edu.</p>				

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**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
6.a. - The permittee shall maintain and implement written procedures for those activities at facilities owned or operated by the permittee, such as road, street, and parking lot maintenance; equipment maintenance; and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers designed to:					
6.a.(1) - Prevent illicit discharges;	UVA has developed several SOPs to minimize the potential for or prevent pollutant discharges from activities of concern. These include, but are not limited to, SOPs on Waste Management, Vehicle and Equipment Washing, and Building Fire Sprinkler System Flushing.	Number of illicit discharges caused by UVA operations.	All SOPs are saved on the UVA website and are reviewed at least annually or whenever an operations or equipment change warrants such review. <a href="https://pollutionprevention.virginia.edu/sopp/">https://pollutionprevention.virginia.edu/sopp/</a> In addition, UVA tracks all reported and discovered illicit discharges or spills in a spreadsheet and follows up as needed to determine if activity patterns might warrant the need for a new or updated SOP.	Existing, Ongoing	ER, FM
6.a.(2) - Ensure the proper disposal of waste materials, including landscape wastes;	UVA has developed SOPs on Waste Management, Used Oil Disposal, Used Cooking Oil Disposal, UVA Recycling Sorting Facility, and Disposal of Landscape Organic Wastes.	Same goal as stated in 6.a.(1)	Same SOP process as described in 6.a.(1)	Existing, Ongoing	ER, FM
6.a.(3) - Prevent the discharge of wastewater or permittee vehicle wash water or both into the MS4 without authorization under a separate VPDES permit;	UVA has developed an SOP on Vehicle and Equipment Washing as well as one on Exterior Surfaces and Building Washing.	Same goal as stated in 6.a.(1)	Same SOP process as described in 6.a.(1)	Existing, Ongoing	ER, FM
6.a.(4) - Require implementation of best management practices when discharging water pumped from utility construction and maintenance activities;	UVA has developed an SOP on Water Disposal from Dewatering Activities.	Same goal as stated in 6.a.(1)	Same SOP process as described in 6.a.(1)	Existing, Ongoing	ER, FM
6.a.(5) - Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices;	UVA has developed an SOP on Salt/Sand and Spreader Shed Maintenance and developed a SWPPP for the FM Yard.	Same goal as stated in 6.a.(1)	Same SOP process as described in 6.a.(1)	Existing, Ongoing	ER, FM
6.a.(6) - Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and	UVA has developed an SOP on Vehicle and Equipment Maintenance.	Same goal as stated in 6.a.(1)	Same SOP process as described in 6.a.(1)	Existing, Ongoing	ER, FM

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
6.a.(7) - Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.	Only licensed applicators are allowed to use pesticides, herbicides, and fertilizers on UVA property covered by the MS4 permit. All such chemicals are required to be stored and transported underneath a cover where it cannot be exposed to stormwater. All fertilizer and pesticide applicators are certified and their certifications are reviewed annually by UVA's certified Nutrient Management Planner.	Ensure applicators have required licenses. Number of certified pesticide, herbicide, and fertilizer users at UVA.	Nutrient management plans are updated and maintained by UVA's certified Nutrient Management Planner and are available upon request.	Existing, Ongoing	A, EHS, ER, FM
6.b. The written procedures established in accordance with Part I E 6 a shall be utilized as part of the employee training program at Part I E 6 m.					
(there are no sub sections to this requirement)	SWPPPs, SOPs, and any other written procedures shall be covered in the employee training program that is included in Appendix C.	Track staff training provided in compliance with this requirement.	Written training materials and staff training records. SOPs described in 6.a(1) are part of the training process for appropriate staff.	Existing, Ongoing	A, ER, FM
6.c.- Within 12 months of state permit coverage, the permittee shall identify which of the high priority facilities have a high potential of discharging pollutants. The permittee shall maintain and implement a site specific stormwater pollution prevention plan (SWPPP) for each facility identified. High priority facilities that have a high potential for discharging pollutants are those facilities that are not covered under a separate VPDES permit and which any of the following materials or activities occur and are expected to have exposure to stormwater resulting from rain, snow, snowmelt or runoff:					

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p>6.c.(1)-(9) - Areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater; Materials or residuals on the ground or in stormwater inlets from spills or leaks; Material handling equipment; Materials or products that would be expected to be mobilized in stormwater runoff during loading or unloading or transporting activities (e.g., rock, salt, fill dirt); Materials or products stored outdoors (except final products intended for outside use where exposure to stormwater does not result in the discharge of pollutants); Materials or products that would be expected to be mobilized in stormwater runoff contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers; Waste material except waste in covered, nonleaking containers (e.g., dumpsters); Application or disposal of process wastewater (unless otherwise permitted); or Particulate matter or visible deposits of residuals from roof stacks, vents or both not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater runoff.</p>	<p>UVA has completed an evaluation of high priority facilities with a high potential of discharging pollutants, which is included in Appendix D. For all identified high priority facilities with a high potential to discharge, UVA has already prepared a SWPPP which is maintained internally. In addition, UVA will annually review facilities that have been identified as high priority, but do not have a high potential to discharge in order to determine if a SWPPP is needed. Facilities with SWPPPs are inspected annually. Facilities will be added or removed from the list of high priority facility with a high potential to discharge during the permit cycle as conditions warrant.</p>	<p>Up-to-date list of high priority facilities with a high potential of discharging pollutants, which require SWPPPs.</p>	<p>The list of high priority facilities with a high potential to discharge pollutants along with any SWPPPs developed is maintained as an appendix to the MS4 Program Plan. The SWPPPs are available online at:  <a href="https://pollutionprevention.virginia.edu/sopp/">https://pollutionprevention.virginia.edu/sopp/</a></p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p>6.d - Each SWPPP as required in Part I E 6 c shall include the following:</p>					

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
<p>6.d.(1)-(8) - A site description that includes a site map identifying all outfalls, direction of stormwater flows, existing source controls, and receiving water bodies; A description and checklist of the potential pollutants and pollutant sources; A description of all potential nonstormwater discharges; Written procedures designed to reduce and prevent pollutant discharge; A description of the applicable training as required in Part I E 6 m; Procedures to conduct an annual comprehensive site compliance evaluation; An inspection frequency of no less than once per year and maintenance requirements for site specific source controls. The date of each inspection and associated findings and follow-up shall be logged in each SWPPP; and A log of each unauthorized discharge, release, or spill incident reported in accordance with Part III G including the following information: (a) Date of incident; (b) Material discharged, released, or spilled; and (c) Estimated quantity discharged, released or spilled.</p>	<p>UVA has developed a SWPPP template which contains the information required in 6.d.(1)-(8). Any subsequent SWPPPs which need to be developed will be developed using this template.</p>	<p>SWPPP template and SWPPPs contain all permit-required information.</p>	<p>The SWPPP template is available upon request. The SWPPPs are available online at: <a href="https://pollutionprevention.virginia.edu/sopp/">https://pollutionprevention.virginia.edu/sopp/</a></p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p>6.e. - No later than June 30 of each year, the permittee shall annually review any high-priority facility owned or operated by the permittee for which a SWPPP has not been developed to determine if the facility has a high potential to discharge pollutants as described in Part I E 6 c. If the facility is determined to be a high-priority facility with a high potential to discharge pollutants, the permittee shall develop a SWPPP meeting the requirements of Part I E 6 d no later than December 31 of that same year.</p>					
<p>(there are no sub sections to this requirement)</p>	<p>UVA will annually review high priority facilities owned by UVA for which a SWPPP has not been developed to determine if the facility has a high potential to discharge pollutants. A SWPPP will be developed by December 31 of that same year for any such facility if the need for a SWPPP is determined.</p>	<p>Facilities requiring SWPPPs are identified in a timely manner.</p>	<p>The list of high priority facilities with a high potential to discharge pollutants, including whether or not a SWPPP has been developed, is maintained as an appendix to the MS4 Program Plan.</p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>
<p>6.f. - The permittee shall review the contents of any site specific SWPPP no later than 30 days after any unauthorized discharge, release, or spill reported in accordance with Part III G to determine if additional measures are necessary to prevent future unauthorized discharges, releases, or spills. If necessary, the SWPPP shall be updated no later than 90 days after the unauthorized discharge.</p>					
<p>(there are no sub sections to this requirement)</p>	<p>UVA will review site specific SWPPPs within 30 days of any spills, releases, or major changes to site operations.</p>	<p>Updated SWPPPs.</p>	<p>SWPPPs are available online at <a href="https://pollutionprevention.virginia.edu/sopp/">https://pollutionprevention.virginia.edu/sopp/</a></p>	<p>Existing, Ongoing</p>	<p>ER, FM</p>

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
6.g. - The SWPPP shall be kept at the high-priority facility with a high potential to discharge and utilized as part of staff training required in Part I E 6 m. The SWPPP and associated documents may be maintained as a hard copy or electronically as long as the documents are available to employees at the applicable site.					
(there are no sub sections to this requirement)	All UVA SWPPPs are stored electronically are available to employees on site. SWPPPs and associated SOPs are used as part of staff training.	Electronically available SWPPPs. Training materials containing SWPPP related information.	Training materials are stored on FM's internal server and are available upon request. SWPPPs and SOPs are available online at <a href="https://pollutionprevention.virginia.edu/sopp/">https://pollutionprevention.virginia.edu/sopp/</a>	Existing, Ongoing	ER, FM
6.h. If activities change at a facility such that the facility no longer meets the criteria of a high-priority facility with a high potential to discharge pollutants as described in Part I E 6 c, the permittee may remove the facility from the list of high-priority facilities with a high potential to discharge pollutants.					
(there are no sub sections to this requirement)	The list of high priority facilities with a high potential to discharge pollutants is available in Appendix D. Any facilities evaluated for or removed form the list will be documented with the rationale for their removal. Facilities are evaluated at least annually and may be added back to the list if site conditions warrant.	Up-to-date list of high priority facilities with a high potential to discharge pollutants.	The list of high priority facilities with a high potential to discharge pollutants is maintained as an appendix to the MS4 Program Plan.	Existing, Ongoing	ER, FM
6.i. The permittee shall maintain and implement turf and landscape nutrient management plans that have been developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia on all lands owned or operated by the permittee where nutrients are applied to a contiguous area greater than one acre. If nutrients are being applied to achieve final stabilization of a land disturbance project, application shall follow the manufacturer's recommendations.					
(there are no sub sections to this requirement)	UVA is a state agency and follows the requirements for turf and landscape nutrient management plans specified in 6.j, which regulate nitrogen application rates on lands owned by UVA.	Track acres of UVA lands upon which Nutrient Management Plans have been implemented.	Nutrient management plans are updated and maintained by UVA's certified Nutrient Management Planner and are available upon request.	Existing, Ongoing	A, EHS, ER, FM
6.j. Permittees with lands regulated under § 10.1-104.4 of the Code of Virginia, including state agencies, state colleges and universities, and other state government entities, shall continue to implement turf and landscape nutrient management plans in accordance with this statutory requirement.					
(there are no sub sections to this requirement)	UVA has implemented the Nutrient Management Plans to moderate the use of fertilizer on all lawn and landscaped areas on state-owned lands. A staff member at UVA's Office of Environmental Health and Safety is a certified Nutrient Management Planner and ensures the Nutrient Management Plans are accurate and up-to-date. UVA currently has the following Nutrient Management Plans: UVA Grounds - 155.8 acres, expires 6/10/25; Athletics -16.5 acres, expires 11/15/2024; and Intramural-Recreational Sports -26.5 acres, expires 1/1/2025. These plans cover a total of 198.8 acres and all plans are stored electronically on UVA servers.	Same goal as stated in 6.i	Same documents as referenced in 6.i	Existing, Ongoing	A, EHS, ER, FM

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
6.k. The permittee shall not apply any deicing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks, or other paved surfaces.					
(there are no sub sections to this requirement)	UVA's Nutrient Management Plans prohibit the usage of nutrients on impervious surfaces including sidewalks, streets, and driveways.	No deicers containing N or P are used at UVA.	Nutrient management plans are updated and maintained by UVA's certified Nutrient Management Planner and are available upon request.	Existing, Ongoing	A, EHS, ER, FM
6.l. The permittee shall require through the use of contract language, training, standard operating procedures, or other measures within the permittee's legal authority that contractors employed by the permittee and engaging in activities with the potential to discharge pollutants use appropriate control measures to minimize the discharge of pollutants to the MS4.					
(there are no sub sections to this requirement)	For construction sites over one acre, contractors must adhere to their SWPPP, which is reviewed regularly by UVA inspectors. Contractors are expected to adhere to UVA's SOPs while doing work on UVA property and contracts can be terminated for failure to comply. References to SOPs are also included in Division 1 Guidelines, which includes language about governing authority. UVA has also added specific language into contract vendor requirements to emphasize this requirement. In addition, FM and/or ER staff aims to talk to contractor representatives during the Safety Summit organized by UVA Occupational Health and Safety staff.	Contractors follow best management practices established by and followed by UVA staff. Document ways contractors are engaged in annual report.	Construction site SWPPPs are maintained on each construction site. SOPs are maintained on the FM website. UVA Division 1 Guidelines are available on the UVA website.	Existing, Ongoing	ER, FM
6.m. The permittee shall develop a training plan in writing for applicable staff that ensures the following:					
6.m.(1) - Field personnel receive training in the recognition and reporting of illicit discharges no less than once per 24 months;	UVA updates and maintains a training plan as needed to provide applicable staff with necessary training on IDDE, good housekeeping, pollution prevention, spill prevention, environmental awareness, SOPs and other required training. Training is provided to appropriate staff at least once every 24 months and is reviewed for appropriateness.	Track training program, dates, and individuals trained. Update training plan as needed to ensure appropriate employees are adequately trained.	The training program is maintained as an appendix to the MS4 Program Plan. Training records are saved on a UVA secure server and are available on request. Some planned training efforts may be modified due to COVID-19 restrictions on in-person gatherings issued by the Governor of Virginia and the UVA President. Any such modifications will be noted in the appropriate annual report.	Existing, Ongoing	ER, FM
6.m.(2) - Employees performing road, street, and parking lot maintenance receive training in pollution prevention and good housekeeping associated with those activities no less than once per 24 months;	Same strategy as described in 6.m.(1).	Same goal as stated in 6.m.(1)	Same documentation as described in 6.m.(1)	Existing, Ongoing	ER, FM

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
6.m.(3) - Employees working in and around maintenance, public works, or recreational facilities receive training in good housekeeping and pollution prevention practices associated with those facilities no less than once per 24 months;	Professional and administrative staff working in and around such facilities that do not receive training under 6.m.(1)-(2) will receive training on who to contact when concerns about good housekeeping or pollution prevention are observed.	Same goal as stated in 6.m.(1)	Same documentation as described in 6.m.(1)	Existing, Ongoing	ER, FM
6.m.(4) - Employees and contractors hired by the permittee who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VDACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement;	Since UVA is a state agency, all applicators are required to be certified through VDACS and turn in their application records to them. Applicators are required to keep certification records and receive continuing education credit as needed.	Only certified pesticide and herbicide applicators are used on UVA property.	UVA's Certified Nutrient Management planner verifies applicator licenses and that applicators are maintaining required records.	Existing, Ongoing	ER, FM
6.m.(5) - Employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations;	UVA has two employees certified as dual inspectors, two employees certified as dual combined administrators, and one employee certified as a dual plan reviewer through DEQ's program. One employee is trained as an E&SC Inspector and SWM Inspector. UVA requires a copy of the Responsible Land Disturber certification from at least one responsible individual from each regulated land disturbing project before the site breaks ground.	Up-to-date staff working on E&SC and SWM projects. Certification renewals are maintained at the required intervals.	Copies of certification records are maintained on a UVA secure server and are available upon request.	Existing, Ongoing	ER, OUBO
6.m.(6) - Employees and contractors implementing the stormwater program obtain the appropriate certifications as required under the Virginia Stormwater Management Act and its attendant regulations; and	Same strategy as described in 6.m.(5)	Same goal as stated in 6.m.(5)	Same documentation as described in 6.m.(5)	Existing, Ongoing	ER, OUBO
6.m.(7) - Employees whose duties include emergency response have been trained in spill response. Training of emergency responders such as firefighters and law-enforcement officers on the handling of spill releases as part of a larger emergency response training shall satisfy this training requirement and be documented in the training plan.	UVA maintains an in-house police force who are trained in emergency response. The police biannually review and sign UVA's Hazardous Material Response policy, which describes how they are expected to handle spills. In addition, EHS maintains staff who are 40-hour HAZWOPER trained in spill response. HAZWOPER training requires annual certification.	Track individuals trained.	Training records are maintained by the PD and EHS and are available upon request.	Existing, Ongoing	EHS, ER, FM, PD
6.n. - The permittee shall maintain documentation of each training event conducted by the permittee to fulfill the requirements of Part I E 6 m for a minimum of three years after the training event. The documentation shall include the following information:					

**Minimum Control Measure No. 6: Pollution Prevention and Good Housekeeping for UVA Facility Operations**

Applicable Regulatory Text	BMPs or Strategies Anticipated to be Implemented	Measurable Goal	Standard Operating Procedures, Policies, or Documents Incorporated by reference to support this BMP or Strategy	Implementation Schedule	RESPONSIBLE DEPARTMENTS
6.n.(1)-(3) - The date of the training event; The number of employees attending the training event; and The objective of the training event.	UVA ER and FM retains copies of FM training records, including the number of employees, the date, and the type of training for three years except for training provided to the PD and EHS. The PD and EHS maintain their own training records. UVA's training plan can be found in Appendix C. Some training plans may be modified due to COVID-19 restrictions on in-person gatherings issued by the Governor of Virginia and the UVA President	Adequately and appropriately trained staff.	Most training records are stored on a UVA secure network. EHS and Police training records are maintained by those departments and ER will coordinate with them to receive the training records at the scheduled intervals. Records are available upon request.	Existing, Ongoing	ER, FM
6.o. - The permittee may fulfill the training requirements in Part I E 6 m, in total or in part, through regional training programs involving two or more MS4 permittees; however, the permittee shall remain responsible for ensuring compliance with the training requirements.					
(there are no sub sections to this requirement)	UVA is not currently planning to fulfill training requirements through regional training programs, but will update the MS4 Program Plan accordingly if the training plans change.	Not applicable	Not applicable	NA	ER, FM
<b>Additional Comments on Pollution Prevention and Good Housekeeping</b>	The MS4 Program Plan is a planning document to aid UVA staff in management of UVA's MS4 program. Revisions to the anticipated BMPs described in this MS4 Program Plan are expected throughout the life of this permit as part of the iterative process to reduce pollutant loading and protect water quality to the maximum extent practical. Each MCM will be reviewed and evaluated annually for effectiveness to determine whether or not changes to the MS4 Program Plan are necessary. Revisions required as a result of the iterative process or through evaluation of program effectiveness will be noted during the annual reporting process and appropriate updates will be made to the MS4 Program Plan. Internal documents, policies, and SOPs referenced in the Program Plan are intended to provide guidance and UVA reserves the right to change these documents at any time and in any manner. The MS4 General Permit requires these documents to be in place and the presence of the documents, not the details of their content, are the enforceable requirement of the permit. Revisions to the MS4 Program Plan or referenced documents will be made within 60 days upon discovery of the need for a change unless otherwise specified in the permit language. All BMPs and strategies are being implemented with consideration for the Chesapeake Bay and Local TMDLs and to support developing action plans to address such TMDLs in accordance with MS4 regulatory requirements. Unless otherwise stated, no monitoring data is collected for the MS4 program. Any documents noted as available upon request may be requested by emailing storm-water@virginia.edu.				

A - University Athletics Department  
 EHS - UVA Office of Environmental Health and Safety  
 ER - UVA Environmental Resources  
 FM - UVA Facilities Management  
 OUBO - UVA Office of the University Building Official  
 PD - UVA Police Department

Appendix A  
Stormwater Public Education, Outreach, Involvement and Participation Events

<b>Date</b>	<b>Activity or Event Title</b>	<b>UVA or RSEP</b>	<b>Audience</b>	<b>Event Description</b>	<b>Education and Outreach?</b>	<b>Involvement and Participation?</b>
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\*this spreadsheet is a placeholder and an example only. A completed version is provided with each annual report

Appendix B  
Reportable Nonstormwater Discharges

Date IDDE Observed	Results of Investigation (conditions, nature of IDDE, situation when arrive on site)	Follow Up Efforts and Resolution (efforts to find IDDE source, how source was eliminated)	Describe any follow up to prevent recurrence or revisitation of site to ensure IDDE eliminated	Date investigation closed (education may be ongoing)	Written Report - yes/no and location	Reported to DEQ, City, County, EPA	Who Reported Incident to ER	Resulted in Release to MS4?	If resulted in release to MS4, reportable quantity?	Was Spill at High Priority SWPPP site?	If SWPPP site, was SWPPP modification needed?
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\*this spreadsheet is a placeholder and an example only. A completed version is provided with each annual report

Appendix C  
Training Plan and Training Completed

Department	Rationale for Training	Training Type/ Objective	Frequency	Means to Achieve Training Requirement*	Date Completed	# of Staff Trained	2020-2021 Training	Date Completed	# of Staff Trained
Athletics	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff	*this spreadsheet is a placeholder and an example only. A completed version is provided with each annual report. Sme training plans may be modified due to COVID-19 or other restrictions on in person gatherings issued by the Governor of Virginia and the UVA President. Any such modifications will be noted in the appropriate annual reort.				
John Paul Jones Arena	6.1.(1) - Field Personnel	Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
IM-Rec Sports	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Heat Plant	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Recycling	6.1.(1) - Field Personnel	Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Utilities	6.1.(1) - Field Personnel	SPCC Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Power and Light	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
North Grounds Zone Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Newcomb Zone Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
West Grounds Zone Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					

Department	Rationale for Training	Training Type/ Objective	Frequency	Means to Achieve Training Requirement*	Date Completed	# of Staff Trained	2020-2021 Training	Date Completed	# of Staff Trained
McCormick Zone Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Central Grounds Zone Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
FM HSPP Zone 1 Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
FM HSPP Zone 2 Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
FM HSPP Zone 3 Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
FM HSPP Zone 4 Maintenance	6.1.(1) - Field Personnel	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
FM Landscaping	6.1.(1)-(2) - Field Personnel, Street and Parking Lot Maintenance	Class C UST Operator, Spill Response, IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
FM Administrative Staff	6.m.(3) - Work around maintenance facility	IDDE	Once every 24 months	Training provided by ER or appropriate designated staff					
CR&R -Construction and Renovation Services	Construction project management, contractor management	IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					

Department	Rationale for Training	Training Type/ Objective	Frequency	Means to Achieve Training Requirement*	Date Completed	# of Staff Trained	2020-2021 Training	Date Completed	# of Staff Trained
Capital Constructions and Renovations - Academic	Construction project management, contractor management	IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Capital Constructions and Renovations - Health System	Construction project management, contractor management	IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					
Capital Constructions and Renovations - Project & Construction Mgmt Svc	Construction project management, contractor management	IDDE, SOPs	Once every 24 months	Training provided by ER or appropriate designated staff					

\*training may be provided in person, online, recorded, or via other means identified as appropriate for the material covered

Specialty Training						
FM Pesticide and Herbicide Applicators	6.m.(4) - Pesticide and herbicide applicators	VDACS Certification	As required for certification	VDACS Program Certification Requirements	Certificates maintained per VCACS requirements	
Environmental Resources	6.m.(5)-(6)- E&SC and VSMP inspectors	E&SC and SWM Combined Inspector or Administrator	As required for certification	DEQ E&SC and SWM	Certificates maintained per DEQ requirements	
UVA Police	6.m.(7) - Emergency response	IDDE	Once every 24 months	Officers provide training in-house on UVA emergency response procedures.		
EHS, ER, OHS	6.m.(7) - Emergency response	HAZWOPER	As required for certification	Training by a certified trainer as appropriate. May be in person or online.		

Appendix D  
High Priority Facility Evaluation

Location	Residuals from using, storing, or cleaning machinery or equipment	Materials or residuals from spills or leaks	Material Handling equipment	Materials could be mobilized in stormwater during loading or unloading	Materials stored outdoors	Materials contained in open or leaking drums, barrels, tanks, and similar containers	Water material except in covered, nonleaking containers	Application or disposal of process wastewater	Particulate matter from roof stacks or vents not otherwise regulated	Discharge to MS4	SWPPP required	Rationale
FM Yard	✓	✓	✓	✓	✓		✓			✓	✓	Salt storage shed, landscape storage area under the T-shed, and number of vehicles stored on site warrant SWPPP
FM Forestry Yard	✓		✓		✓							Does not discharge to MS4.
FM Fontaine Yard	✓		✓		✓							Does not discharge to MS4, not in census urbanized area.
Recycle Sort Facility			✓		✓		✓			✓	✓	Recyclable materials are waste and stored in large quantities, even if under cover.
Main Heat Plant	✓	✓							✓	✓	✓	Historic number of large spills and potential for releases to air.
Athletics Precinct	✓		✓	✓	✓					✓		Materials now largely stored under cover due to new facilities.
Scott Stadium			✓	✓						✓		Not a high priority facility. Only issues come from power washing and an SOP has been developed.
Campbell Hall					✓					✓		Not a high priority facility. New equipment and SOP developed for concrete work outside has reduced potential for discharge.
Ruffin Hall					✓					✓		Not a high priority facility. Work outside
Fontaine Composting Site												Not a high priority facility. No potential to discharge observed.

Location	Residuals from using, storing, or cleaning machinery or equipment	Materials or residuals from spills or leaks	Material Handling equipment	Materials could be mobilized in stormwater during loading or unloading	Materials stored outdoors	Materials contained in open or leaking drums, barrels, tanks, and similar containers	Water material except in covered, nonleaking containers	Application or disposal of process wastewater	Particulate matter from roof stacks or vents not otherwise regulated	Discharge to MS4	SWPPP required	Rationale
North Grounds Mechanical Plant										✓		Not a high priority facility. No potential to discharge observed.
Hospital Loading Dock and West Complex										✓		Not a high priority facility. No potential to discharge observed.
Copeley Substation					✓					✓		Not a high priority facility. No potential to discharge observed.

Appendix E  
Chesapeake Bay TMDL and Local TMDL Annual Updates

**Updates to the Chesapeake Bay TMDL and applicable local TMDL action plans will be provided with each annual report**

TMDL Action Plans for the following applicable TMDLS are available on the UVA website:

<https://pollutionprevention.virginia.edu/stormwater-mgmt/tmdl/>

Chesapeake Bay TMDL - Revised September 24, 2019

Rivanna River Combined Benthic and Bacteria TMDL - May 1, 2020

Moore's Creek, Lodge Creek, Meadow Creek, and Schenks Branch Sediment TMDL - April 30, 2021