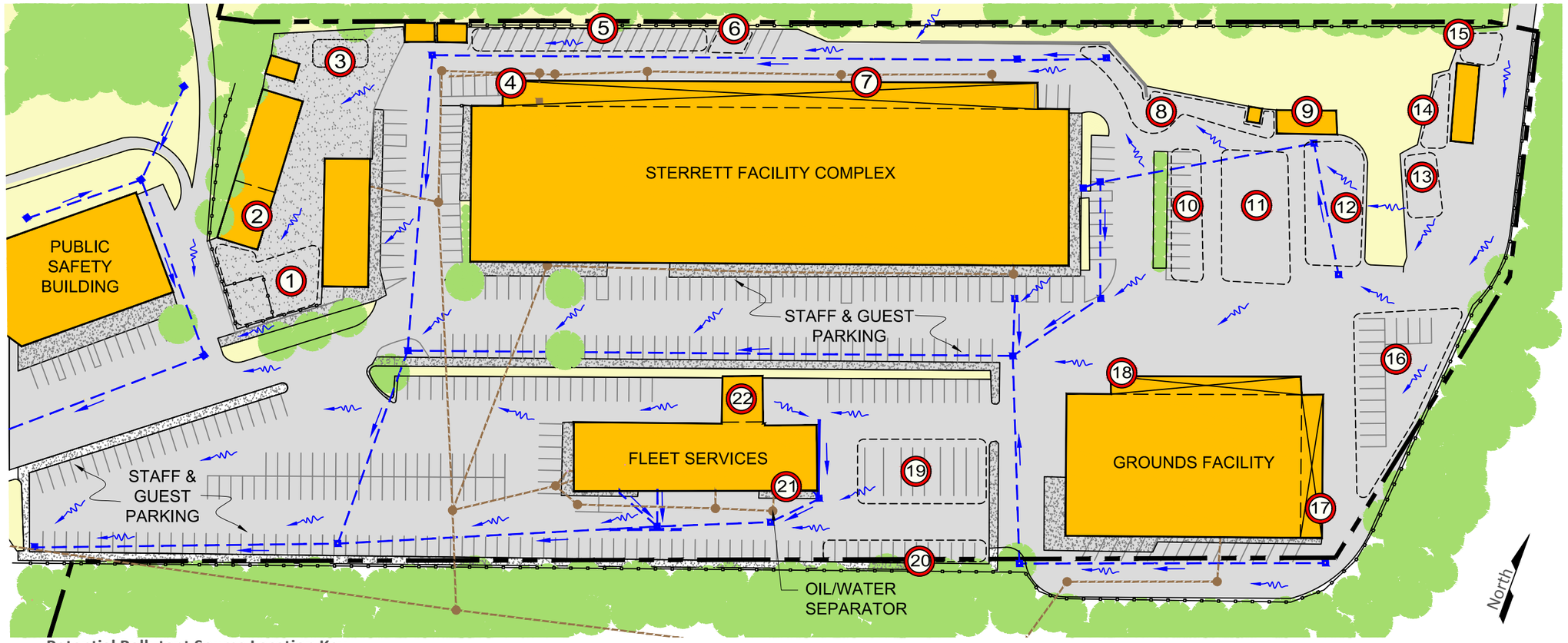
VirginiaTech
Invent the Future®

Site Evaluation Procedures

- **Inspect** potential pollution source locations in sequence with numbering on the map.
- **Reference** the flip side of this map to assist with identification of pollutant concerns at each location and practices to address potential pollutant exposure to stormwater runoff.
- **Complete** the Site Compliance Evaluation Form for each corresponding location during inspection.
- **Submit** completed form to Stormwater Compliance Manager.
- **Conduct** follow-up to findings, as directed by Stormwater Compliance Manager.
- **Document** on Site Compliance Evaluation Form the completion of follow-up actions.

Legend

- Approximate Boundary
- Storm Pipe or Culvert & Flow Direction
- Surface Flow Direction
- Storm Inlet
- Sanitary Sewer Pipe & Manhole
- Fence
- Paved Surface
- Gravel Surface
- Wooded Area
- Grassed Area
- Building/Covered Area
- Outdoor Storage
- (#) Inspection Location



General Notes

In addition to the Potential Pollutant Source Locations identified on the map, the site inspection shall also observe and report:

1. Areas of erosion occurring on-site;
2. Locations of exposed soils (i.e. lack of gravel cover);
3. Oil, hydraulic fluid, or chemical spills;
4. Open (uncovered) and unlabeled containers; and
5. Any other potential pollutant that could be exposed to precipitation and stormwater runoff.

Potential Pollutant Source Location Key

- (1) OUTDOOR EQUIPMENT/MATERIAL STORAGE
- (2) COVERED EQUIPMENT/MATERIAL STORAGE
- (3) (5) (9) (10) (19) (20) OUTDOOR VEHICLE STORAGE
- (4) (18) COVERED LOADING
- (6) (13) DUMPSTERS
- (7) COVERED VEHICLE/EQUIPMENT STORAGE
- (8) OUTDOOR STOCKPILING/EQUIPMENT STORAGE
- (9) COVERED TEMPORARY SALT/EQUIPMENT STORAGE
- (11) (12) (16) OUTDOOR VEHICLE/EQUIPMENT STORAGE
- (14) (15) OUTDOOR MATERIAL STORAGE
- (17) COVERED EQUIPMENT STORAGE
- (21) INDOOR VEHICLE WASHING
- (22) FUELING

VIRGINIA TECH
BLACKSBURG, VIRGINIA

STERRETT FACILITY AND GROUNDS FACILITY STORMWATER POLLUTION PREVENTION PLAN MAP

SCALE: 1" = 90'

Note: This map is for SWPPP purposes only and no field survey was conducted in its compilation. This map is required to be updated when any new infrastructure is built (buildings, storm sewer, outfalls, etc.) or any possible pollutant generating activities are created, moved, or eliminated (new dumpster, new stockpile area, etc.). Notify the Environmental Program Manager regarding changes in the field not depicted on this map.

3e EEE Consulting, Inc.
Environmental, Engineering and Educational Solutions

JUNE 17, 2016

Site Evaluation Overview

Purpose

The intent of this reference guide is to provide quick access to descriptions of common pollutant sources and common controls and practices to address the pollutants for each location identified on the Stormwater Pollution Prevention Plan (SWPPP) map. If needed, additional information for each potential pollutant source or activity, including source controls, standard operating procedures, and removal/disposal of pollutants is provided in the College's Good Housekeeping and Pollution Prevention Standard Operating Procedures (SOPs) Manual, latest edition.

Qualification for Performing Site Evaluation

The individual completing the Site Compliance Evaluation Form shall have participated in the College's Municipal Separate Storm Sewer System (MS4) Good Housekeeping/Pollution Prevention training that includes introduction to the SOPs included with this SWPPP, by reference.

Frequency and Protocol

The Site Compliance Evaluation Form shall be completed a minimum of once annually. The completed form shall be provided to the Stormwater Compliance Manager immediately after the evaluation is completed. The Stormwater Compliance Manager will provide follow-up for findings. Once follow-up is completed, it shall be indicated or noted on the Site Compliance Evaluation Form, as appropriate. ***The Site Compliance Evaluation is not complete until appropriate follow-up to findings has been documented on the Evaluation Form.***

Reportable Spills & Discharges

If an onsite spill or occurring discharge to surface waters of any pollutant is observed, immediately contain the pollutant to prevent potential or further discharge. The Environmental, Health and Safety Services shall be notified immediately to:

1. Determine the further actions necessary to eliminate the potential or occurring discharge and
2. Determine if the discharge was equal to or in excess of a reportable quantity per Section III G of the MS4 General Permit.
   - If the discharge is reportable, the Stormwater Compliance Manager will notify the DEQ within 24 hours and prepare the necessary report per Section III G of the MS4 General Permit for submission to DEQ. A copy of the report shall be maintained in a file with the SWPPP materials on site.

For emergencies, call the Town of Blacksburg Fire Department at 9-1-1.

SWPPP Map Quick Reference Guide

Vehicle/Equipment Storage 1 2 3 5 7 8 9 10 11 12 16 19 20

Potential Pollutant and Sources: Petroleum product leaks from hydraulic hoses or vechicles/equipment in disrepair. Grease, sediment and other pollutants on equipment.

Source Controls: Roof cover acts as the primary source control where provided. Drip pans or absorbent pads placed under leaks and containment bags wrapped around leaking components if potential for intermingling with stormwater.

Best Management Practice(s): Repair equipment leaking fuel or oil. Utilize source controls while leaks occur and inspect regularly to ensure pollutants are not exposed to precipitation. Remove and properly dispose of pollutants on ground surface.

Standard Operating Procedure Reference: Section 5.3

Outdoor Loading 4 18

Potential Pollutant and Sources: Packaging material from loading, petroleum products from equipment/vehicles.

Source Controls: Drip pans, absorbent pads, and sweeping.

Best Management Practice(s): Roof cover acts as the primary source control. Load material in dry weather, sweep up trash and erodibles. Clean up vehicle or equipment leaks. Remove and properly dispose of pollutants on ground surface.

Standard Operating Procedure Reference: Section 5.7

Dumpsters 6 13

Potential Pollutant and Sources: Various liquids can leak and solids can rust or leach chemicals onto the ground.

Source Controls: If leaking, use absorbent, scrub with a broom to remove as much of the contaminate as possible, and promptly recover all material. For recurring issues, provide drip pan or absorbent pad.

Best Management Practice(s): Keep dumpsters and trash cans covered and replace damaged containers.

Standard Operating Procedure Reference: Section 5.5

Outdoor Material Stockpiling 8

Potential Pollutant and Sources: Sand, grit, sediment or any other erodible material stored outdoors.

Source Controls: Perimeter controls to prevent transport of stockpiled materials. Cover to prevent exposure to precipitation.

Best Management Practice(s): Regularly inspect stockpile areas and ensure proper maintenance of perimeter controls. Remove and dispose of materials that have migrated outside of perimeter controls daily. Place stockpiles away from outfalls and surface waters.

Covered Salt Storage 9

Potential Pollutant and Sources: Salt.

Source Controls: Roof cover acts as the primary source control. Perimeter controls prevent transport of salt.

Best Management Practice(s): Regularly inspect to ensure proper maintenance of perimeter controls. Remove and dispose of materials that have migrated outside of perimeter controls daily. Place salt storage away from drain inlets and surface waters.

Standard Operating Procedure Reference: Section 5.8

Outdoor Material Storage 1 2 14 15

Potential Pollutant and Sources: Petroleum products, solvents, corrosive material, grease or sediment from materials stored outdoors.

Source Controls: Perimeter controls or cover.

Best Management Practice(s): Store materials that could introduce pollutants to runoff indoors. Remove and properly dispose of pollutants on ground surface.

Standard Operating Procedure Reference: Section 5.8

Vehicle Washing 21

Potential Pollutant and Sources: Downstream transport of solvents, grease, sediment, petroleum product and cleaning agents through washwater.

Source Controls: Wash only in designated areas that drain to sanitary sewer.

Best Management Practice(s): (1) Ensure all washwater is directed to the sanitary sewer by inspecting and maintaining diversion directing the washwater to the sanitary sewer; (2) Provide signage clearly identifying the designated washing location(s); (3) Ensure intake to the sanitary sewer is clear of debris and sediment.

Standard Operating Procedure Reference: Section 5.1

Fueling Area 22

Potential Pollutant and Sources: Fuel spills from fueling activities and leaks from pumping equipment.

Source Controls: (1) Maintain a spill kit in the immediate vicinity with posted instruction for use of the kit; (2) Perform timely maintenance repairs to address leaks; (3) Identification of location of cut-off switch.

Best Management Practice(s): Cover spills completely with absorbent and subsequently scrub with a broom. Promptly remove and dispose of material in a waste receptacle for waste oil. For leaks, provide a drip pad or absorbent pad until repairs can be made. Dispose of collected fuel in a waste receptacle for waste oil.

Standard Operating Procedure Reference: Section 5.4

Contacts

Emergency: 9-1-1
Virginia Tech Police (Non-Emergency): (540) 231-6411
Blacksburg Fire Department: (540) 961-1175
Environmental, Health and Safety Services: (540) 231-3600
Hazardous Materials Manager: (540) 231-2982
Facilities Services Customer Service: (540) 231-4300
Stormwater Compliance Manager: (540) 231-1788

VirginiaTech 1872 *Invent the Future®*