# Stormwater Pollution Prevention Plan

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# **SPPP Form 1 – SPPP Team Members**

Stormwater Program Coordinator (SPC)				
Print Name and Title	Stephanie Shelton, Operations Coordinator, Facilities Department			
Office Phone # and e-Mail	Phone #: (856) 691-8600 x4644 Email: sshelton@theauthoritynj.com			
Signature/Date	Signature/Date Shellon 9/2/2022			
	Individual(s) Responsible for Major Development Project Stormwater Management Review Please see training requirements for stormwater management reviewers on Form 9.			
Print Name/ Title/Affiliation	Stephanie Shelton, Facilities Coordinator, Facilities Department			
Print Name/ Title/Affiliation	Joe Grieff, Operations Manager, Facilities Department			
Print Name/ Title/Affiliation	Beatrice Hyghes, Director Operations, RCSO			
Print Name/ Title/Affiliation				
Print Name/ Title/Affiliation				
Other SPPP Team Members				
Print Name/ Title/Affiliation				

# **SPPP Form 2 – Revision History**

Revision SPC SPPP Reason for Date Initials Form Changed	or Revision
Changeu	
1.	
2. Adoption of Pet Waste Control, I	Litter Control, Improper Waste
Disposal, Wildlife Feeding, and I	Illicit Connection regulations,
3. Adoption of Refuse Container	r/Dumpster Control regulations.
4. Review/undates to all SPPI	D. C
4. Review/updates to all SPPI	P form sneets
5 Lindates to all CDDD forms of	1
5. Updates to all SPPP form sl	
Facilities Map (Attachment	t 1). Inclusion of
6. Maintenance Plan and Inspe	ection forms (Attachment 3)
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# SPPP Form 3 – Public Involvement and Participation Including Public Notice

1.	Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:	
2.	Physical location and/or website URL where records of public notices, meeting dates, minutes, etc. are kept:	
3.		plies with applicable state and local public notice requirements pation in the development and implementation of its MS4

# **SPPP Form 4 – Public Education and Outreach**

This is only required for colleges, universities, and military bases with dependents living on base.

1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.
2. Indicate where public education and outreach records are maintained.

# SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

1.	How does the permittee define 'major development'?
2.	Describe the process for reviewing and approving major development project applications for compliance with the stormwater management rules at N.J.A.C. 7:8 et seq. Attach a flow chart if available. If applicable, provide the physical location of the mitigation plan required to grant a variance or exemption from the design and performance standards for stormwater management measures.
3.	Indicate the physical location of approved applications for major development projects and Major Development Summary Sheets (permit Attachment D)?

# **SPPP Form 6 – Regulatory Mechanisms**

	Regulatory Mechanism	Date of Adoption	Website URL	DEP model regulatory mechanism adopted w/o change?	Entity responsible for enforcement
1.	Pet Waste permit cite IV.B.5.a.i.				
2.	Wildlife Feeding permit cite IV.B.5.a.ii.				
3.	Litter Control permit cite IV.B.5.a.iii.				
4.	Improper Disposal of Waste permit cite IV.B.5.a.iv.				
5.	Residential Yard Waste Collection (for residences located within permittee property) permit cite IV.B.5.a.v.				
6.	Illicit Connection Prohibition permit cite IV.B.5.a.vii.				
Indicate the location of records associated with the regulatory mechanisms above and related enforcement actions:					

# **SPPP Form 7 – Street Sweeping**

1.	Provide a map or describe the location of all streets and paved parking lots that are owned or operated by the permittee. Indicate which of these streets and parking lots have storm drain inlets that direct stormwater runoff into an MS4 or discharge directly to surface water.		
2	Describe the averaging schedule for all streets and naved parking lets that are extract an averaged by		
2.	Describe the sweeping schedule for all streets and paved parking lots that are owned or operated by the permittee.		
	Indicate the location of records, including sweeping dates, areas swept, number of miles swept and total amount of materials collected each month.		

# **SPPP Form 8 – Catch Basins and Storm Drain Inlets**

1.	Describe the schedule for inspections, cleaning, and maintenance of catch basins and storm drain inlets that are owned or operated by the permittee.
2.	List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc. For each, describe what measures are taken to address the problems and explain how such work is prioritized.
3.	Describe the inspection and label maintenance plan on storm drain inlets that do not have permanent wording cast into the design.
4.	Indicate the location of records that include catch basin and storm drain inlet inspections, and the amount of materials collected during catch basin and storm drain inlet cleanings.
5.	Describe how the permittee ensures that storm drain inlets within the Public Complex are retrofitted.

# **SPPP Form 9 – Employee Training**

A. **Permittee Employee Training:** Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below as required due to job duties assigned within three months of commencement of duties and again on the frequency below. Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic.

Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard/Ancillary Operations	Every year	
2. Stormwater Facility Maintenance	Every year	
3. SPPP Training & Recordkeeping	Every year	
For Public Complexes with residents only 4. Residential Yard Waste Collection	Every 2 years	
5. Street Sweeping	Every 2 years	
6. Illicit Connections & Outfall Mapping	Every 2 years	
7. Outfall Stream Scouring	Every 2 years	
8. Waste Disposal Education	Every 2 years	
9. Regulatory Mechanisms	Every 2 years	
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	

B. **Stormwater Management Reviewer Training:** All individuals who review the stormwater management design for development and redevelopment projects on behalf of the permittee must attend the first available class upon assignment as a reviewer and every five years thereafter. The course is a free, two-day training conducted by DEP staff. Training dates and locations are posted at <a href="https://www.nj.gov/dep/stormwater/training.htm">www.nj.gov/dep/stormwater/training.htm</a>.

Indicate the location of the permi	ttee's list of the names	s and dates of indivi	iduals that received the
Department approved training:			

# **SPPP Form 10 – Maintenance Yards and Other Ancillary Operations**

Complete separate forms for each location.

1. Address of maintenance yard or ancillary operation (complete one form per location):
2. List all materials and machinery located at this location that are exposed to stormwater which could be a source of pollutants in a stormwater discharge.
Raw materials –
Intermediate products –
Final products –
Waste materials –
By-products –
Machinery –
Fuel –
Lubricants –
Solvents –
Detergents related to maintenance yard or ancillary operations –
Other –

	(SPPP Form 10 continued)
3.	Indicate the location of monthly inspection logs documenting inspections of this location:
4.	Describe the procedures for cleaning spills and disposing of clean-up waste. Indicate the location of materials used for cleaning, e.g., kitty litter, sawdust, etc.
5.	List all containers stored at this location, including the content, and location. For containers that are stored outside, indicate if they are covered, what they are placed upon, and if the area is graded or contained by berms.
	is graded of comamica by comis.

(SPPP Form 10 continued)
6. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit. Indicate the location of inspection logs and tracking forms associated with this maintenance yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or have been planned.
a. Fueling Operations
b. Discharge of Stormwater from Secondary Containment
c. Vehicle Maintenance
d. On-Site Equipment and Vehicle Washing  See permit for certification and log forms for Underground Storage Tanks.

	(SPPP Form 10 continued)
e.	Salt and De-Icing Material Storage and Handling
f.	Aggregate Material and Construction Debris Storage
g.	Street Sweepings, Catch Basin Clean Out and Other Material Storage
h.	Yard Trimmings and Wood Waste Management
	Note that leaves, grass clippings, woodchips, and brush are considered yard trimmings and
	trees, stumps, and untreated lumber are considered wood waste.

# SPPP Form 11 – Mapping Outfall Pipes and Stormwater Facilities Visit <a href="https://www.nj.gov/dep/dwq/msrp\_map\_aid.htm">https://www.nj.gov/dep/dwq/msrp\_map\_aid.htm</a> for the NJ DEP free mapping application.

1.	<b>Mapping Outfall Pipes:</b> Attach an image or provide a link to a map of the outfall pipes located on the Public Complex property, showing the location of the end of all MS4 outfall pipes (in tidal and non-tidal receiving waters) owned or operated by the Public Complex which discharge to a surface water body. Include the location and name of all surface water bodies receiving discharges from those outfall pipes.
	Note that the permittee must submit the outfall pipe map to NJ DEP by January 1, 2020. Updates to the outfall pipe map shall be submitted annually to include new or newly identified outfall pipes. Outfall pipes may be included on the map of stormwater facilities and submitted with the Annual Report and Certification (see #2 below).
2.	<b>Mapping Stormwater Facilities:</b> Attach an image or provide a link to a map of the stormwater facilities located on the Public Complex property. Include the property boundaries of the Public Complex, location of each stormwater facility, e.g., outfalls, inlets, basins, subsurface infiltration/detention systems, culverts, MTDs, green infrastructure, etc.
	Note that the permittee must submit the stormwater facilities map to NJ DEP by January 1, 2020. Updates to the stormwater facilities map shall be submitted annually to include new or newly identified stormwater facilities as an attachment to the Annual Report and Certification.

# **SPPP Form 12 – Outfall Pipe Inspections**

1.	<b>Inspections:</b> Describe the program in place to inspect the outfall pipes located on Public Complex property. Records must include the location, inspection date, inspector name, findings, preventative and corrective maintenance performed. Indicate the location of records.		
2.	<b>Stream Scouring:</b> Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes. Indicate the location of records related to cases of localized stream scouring. Such records must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases.		
3.	Illicit Discharges: Describe the program in place for conducting visual dry weather inspections of permittee-owned or operated outfall pipes. Record results of investigations and actions taken using NJDEP's form at <a href="https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Formpdf.pdf">https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Formpdf.pdf</a> . Indicate the location of these forms and related illicit discharge records. Note that Illicit Connection Inspection Report Forms shall be included in the SPPP and submitted to NJ DEP as an attachment to the Annual Report and Certification.		

# **SPPP Form 13 –Stormwater Facilities Inspection and Maintenance**

1. Inspections: Describe the program in place to inspect, clean, and maintain the stormwat facilities located on Public Complex property. Records must include the type of stormwater facility, location, inspection date, inspector name, findings, preventative and corrective maintenance performed. Indicate the location of records.		
2. Maintenance: Indicate the location of maintenance plans related to maintenance stormwater facilities on Public Complex property.	enance of	
NJDEP provides materials to assist permittees with this requirement at https://www.nj.gov/dep/stormwater/maintena	nnce_guidance.htm.	

# **SPPP Form 14 – Total Maximum Daily Load Information**

1.	1. List the names of the adopted Total Maximum Daily Loads (TMDLs), parameters addressed, and the affected water bodies associated with any segment of surface water wholly or partially within or bordering the Public Complex.		
	Refer to the list of TMDL reports provided at <a href="http://www.nj.gov/dep/wms/bears/tmdls.html">http://www.nj.gov/dep/wms/bears/tmdls.html</a> .		
	Utilize the TMDL look-up tool at <a href="https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm">https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm</a> to identify impaired water bodies bordering the Public Complex.		
2.	Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.		
	For guidance on TMDLs, visit <a href="https://www.nj.gov/dep/dwq/pdf/10-21-16-tmdl-tool-box.pdf">https://www.nj.gov/dep/dwq/pdf/10-21-16-tmdl-tool-box.pdf</a> .		

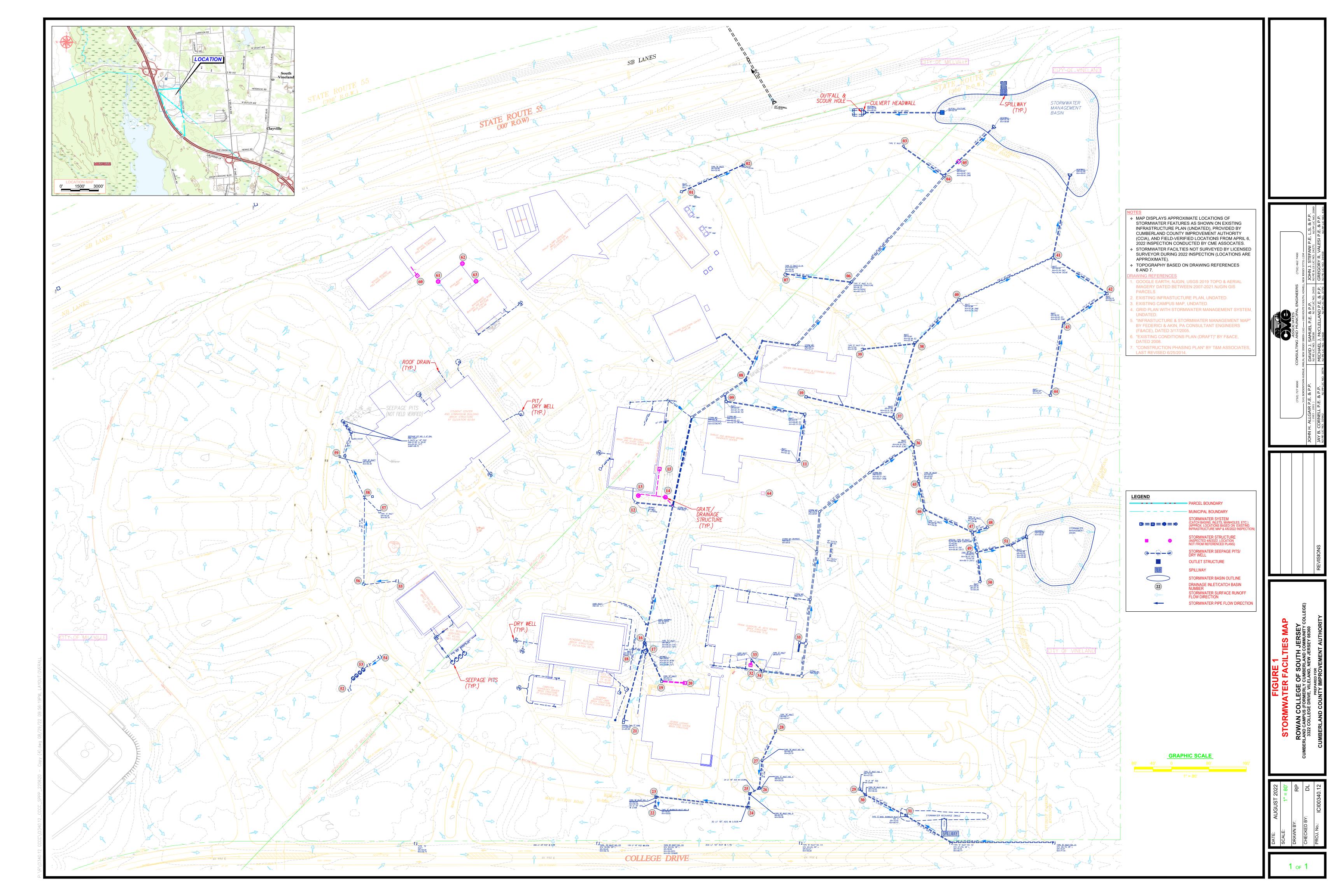
# **SPPP Form 15 – Additional Measures and Optional Measures**

1. Additional Measures: Describe any Best Management Practice(s) and the related measurab goal or numeric effluent limitations that are expressly required by the Department to be inclined in the permittee's stormwater program by a TMDL.		
2	Optional Measures: Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the Public Complex MS4 NJPDES permit that prevents or reduces water pollution.	

# **SPPP Form 16 – Shared Services**

1.	List the permit conditions that are satisfied through a shared or contracted service where an entity other than the permittee is implementing BMP(s) or control measure(s) on the permittee's behalf. Include the name of the entity responsible for satisfying each applicable permit condition.  Note that the permittee is responsible for ensuring that the BMP(s)/control measure(s) are at least as stringent or as frequent as the corresponding permit requirement. The permittee is responsible for compliance with the permit if the
	other entity fails to implement the measure(s) or component(s).
	The permittee is responsible for maintaining the appropriate documentation related to permit conditions, including those satisfied through shared services, in the SPPP and on the Annual Report and Certification.
2	For each permit condition that is satisfied through a shared or contracted service, describe the
۷.	arrangements in place. Indicate the physical location of any written agreements and records.







# **Stormwater Pollution**

# Easy Things You Can Do Every Day To Protect Our Water

# A Guide to Healthy Habits for Cleaner Water

Pollution on streets, parking lots and lawns is washed by rain into storm drains, then directly to our drinking water supplies and the ocean and lakes our children play in. Fertilizer, oil, pesticides, detergents, pet waste, grass clippings: You name it and it ends up in our water.

Stormwater pollution is one of New Jersey's greatest threats to clean and plentiful water, and that's why we're all doing something about it.

By sharing the responsibility and making small, easy changes in our daily lives, we can keep common pollutants out of stormwater. It all adds up to cleaner water, and it saves the high cost of cleaning up once it's dirty.

As part of New Jersey's initiative to keep our water clean and plentiful and to meet federal requirements, many municipalities and other public agencies including

colleges and military bases must adopt ordinances or other rules prohibiting various activities that contribute to stormwater pollution. Breaking these rules can result in fines or other penalties.



As a resident, business, or other member of the New Jersey community, it is important to know these easy things you can do every day to protect our water.

Limit your use of fertilizers and pesticides

- Do a soil test to see if you need a fertilizer.
- Do not apply fertilizers if heavy rain is predicted.
- Look into alternatives for pesticides.
- Maintain a small lawn and keep the rest of your property or yard in a natural state with trees and other native vegetation that requires little or no fertilizer.
- If you use fertilizers and pesticides, follow the instructions on the label on how to correctly apply it.



Make sure you properly store or discard any unused portions.

Properly use and dispose of hazardous products

- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.
- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.

- If you have hazardous products in your home or workplace, make sure you store or dispose of them properly. Read the label for guidance.
- Use natural or less toxic alternatives when possible.
- Recycle used motor oil.
- Contact your municipality, county or facility management office for the locations of hazardous-waste disposal facilities.



- Keep pollution out of storm drains
- Municipalities and many other public agencies are required to mark certain storm drain inlets with messages reminding people that storm drains are connected to local waterbodies.
- Do not let sewage or other wastes flow into a stormwater system.

# Clean up after your pet

- Many municipalities and public agencies must enact and enforce local pet-waste rules.
- An example is requiring pet owners or their keepers to pick up and properly dispose of pet waste dropped on public or other people's property.
- Make sure you know your town's or agency's requirements and comply with them. It's the law. And remember to:
  - Use newspaper, bags or pooper-scoopers to pick up wastes.
  - Dispose of the wrapped pet waste in the trash or unwrapped in a toilet.
  - Never discard pet waste in a storm drain.

# Don't feed wildlife

- Do not feed wildlife, such as ducks and geese, in public areas.
- Many municipalities and other public agencies must enact and enforce a rule that prohibits wildlife feeding in these areas.



# Dispose of yard waste properly

- Keep leaves and grass out of storm drains.
- If your municipality or agency has yard waste collection rules, follow them.
- Use leaves and grass clippings as a resource for compost.
- Use a mulching mower that recycles grass clippings into the lawn.



- Place litter in trash receptacles.
- Recycle. Recycle. Recycle.
- Participate in community cleanups.



## Contact information

For more information on stormwater related topics, visit www.njstormwater.org or www.nonpointsource.org

Additional information is also available at U. S. Environmental Protection Agency Web sites www.epa.gov/npdes/stormwater or www.epa.gov/nps

New Jersey Department of Environmental Protection Division of Water Quality Bureau of Nonpoint Pollution Control Municipal Stormwater Regulation Program (609) 633-7021





# (INSERT MUNICIPALITY NAME HERE)

# PET WASTE AND WATER POLLUTION



[insert municipality] has adopted and enforces an ordinance that requires immediate and proper disposal of solid pet waste deposited on any property not owned or possessed by the pet owner or keeper. [insert municipality page/hotlink] [Township can insert any other specific requirement to their ordinance].

Pet waste is carried by rain, melting snow, and ice to storm drains that empty into rivers, lakes, and the ocean. It also reaches reservoirs which supply much of the drinking water in New Jersey.

Pollution due to pet waste negatively impacts swimming, boating and fishing in these water bodies.

Pet waste contains microorganisms that can cause bacterial diseases, roundworms and parasitic infections.

In addition, pet waste contains harmful levels of nutrients which promote excessive algae and plant growth. This can rob the waterbody of oxygen, potentially killing all aquatic life in the area. Such nutrient pollution also causes waters to become cloudy and green.

# Proper Pet Waste Disposal

# Flush it down the toilet.

\*But do not flush bags, debris, or nonbiodegradable items\*

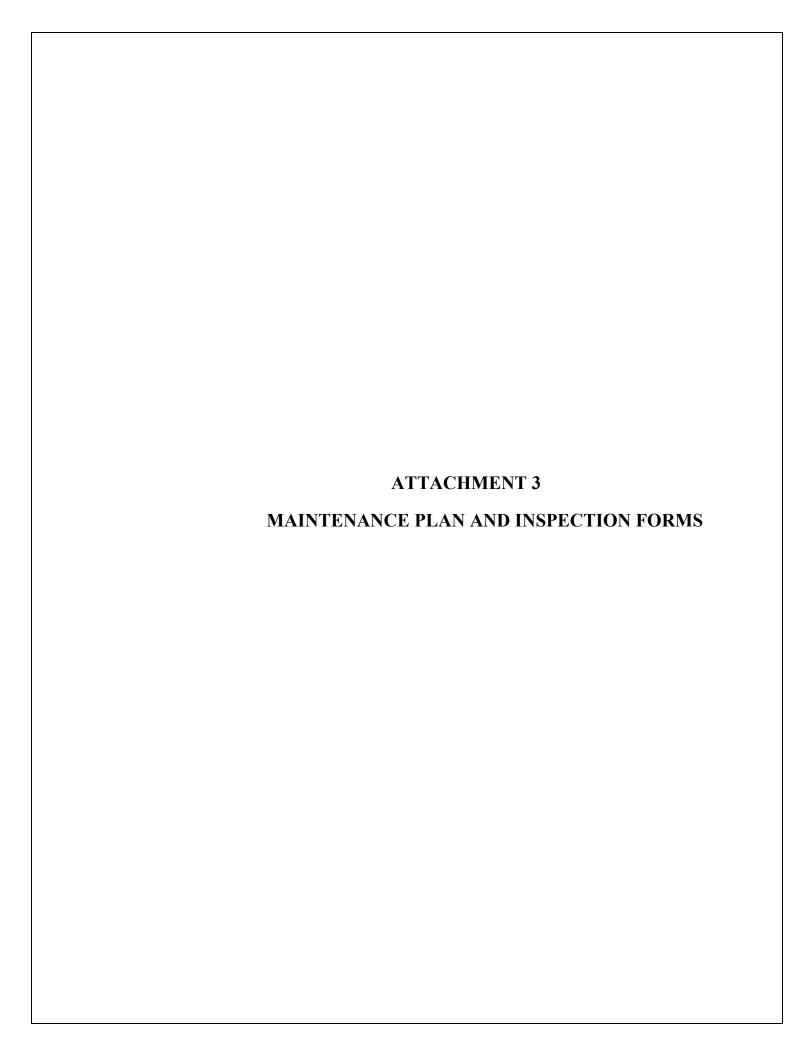
OR

Put it in the trash.

# THANK YOU FOR DOING YOUR PART TO KEEP NEW JERSEY'S WATERS CLEAN



- See the Pet Waste Ordinance [insert municipal page/hotlink]
- NJDEP Municipal Stormwater Regulation https://www.nj.gov/ dep/dwq/ msrp\_home.htm
- EPA- Polluted Runoff: Nonpoint Source Pollution https:// www.epa.gov/nps



# MAINTENANCE PLAN FOR STORMWATER POLLUTION PREVENTION NJPDES PERMIT NJG0150355



# ROWAN COLLEGE OF SOUTH JERSEY, CUMBERLAND CAMPUS (FORMERLY CUMBERLAND COUNTY COLLEGE) 3322 COLLEGE DRIVE VINELAND, NEW JERSEY 08362

## PREPARED FOR



THE AUTHORITY (FORMERLY CUMBERLAND COUNTY IMPROVEMENT AUTHORITY) 745 LEBANON ROAD MILLVILLE, NEW JERSEY 08332

**JUNE 2022** 

# Maintenance Plan for Stormwater Pollution Prevention Rowan College of South Jersey, Cumberland Campus

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## ATTACHMENTS:

ATTACHMENT A -	STORMWATER	<b>FACILITIES MAP</b>
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ATTACHMENT B – STANDARD OPERATING PROCEDURES

ATTACHMENT C – STORMWATER BASIN INSPECTION FORM

ATTACHMENT D - SOURCE MATERIALS INSPECTION FORM

ATTACHMENT E - CATCH BASIN/DRAINAGE INLET INSPECTION FORM

ATTACHMENT F – STREET SWEEPING LOG

ATTACHMENT G – TRAINING SUMMARY LOG

ATTACHMENT H - TRAINING ATTENDANCE SHEET

#### I. INTRODUCTION

The Rowan College of South Jersey Cumberland Campus (RCSJ-CC), formerly known as Cumberland County College, is a regional college in operation since 1966. In 2019, Cumberland County College merged with Rowan College at Gloucester County to create the current regional college, through a partnership with Rowan University. RCSJ-CC consists of an approximately 97-acre facility across the two municipalities, Vineland and Millville, New Jersey, and has an enrollment of approximately 4,000 students.

The RCSJ-CC facility currently holds a Public Complex Stormwater General Permit, NJPDES No. NJG0150355, issued by the New Jersey Department of Environmental Protection (NJDEP) Water Pollution Management Element's Bureau of Nonpoint Pollution Control. As part of the permit requirements, a Stormwater Pollution Prevention Plan (SPPP) was prepared and submitted to NJDEP. As required by NJDEP, the SPPP is updated on an annual basis based on the results of annual inspection and maintenance activities. As part of the SPPP, this facility Maintenance Plan has been prepared to provide further guidance on current stormwater facilities, preventative and corrective maintenance practices, implementation of the facility's SPPP, and a summary of training and information required for the SPPP implementation team.

Through a shared services agreement with The Authority (formerly known as the Cumberland County Improvement Authority, or CCIA), maintenance services on the campus are provided by Authority staff members. This includes the implementation of the SPPP. This Maintenance Plan serves to add additional information to the SPPP field with the NJDEP.

# II. STORMWATER POLLUTION PREVENTION TEAM

## **Stormwater Program Coordinator**

Leader: Stephanie Shelton, Operations Coordinator, Facilities Department

Office Phone # (856) 691-8600, ext. 4644

sshelton@theauthoritynj.com

**Responsibilities:** Coordinate plan development and implementation. Propose, select and

implement Best Management Practices (BMPs). Oversee good

housekeeping and preventative maintenance procedures.

**Members:** 

**Member:** Joe Grieff, Operations Manager, Facilities Department

Office Phone # (732) 431-7305,

geoffrey.perselay@co.monmouth.nj.us

**Responsibilities:** Coordinate plan development and implementation. Propose, select and

implement Best Management Practices (BMPs). Oversee good

housekeeping and preventative maintenance procedures.

## III. LIST OF STORMWATER MANAGEMENT MEASURES

Stormwater management features are included in Attachment A (Stormwater Facilities Map), and are summarized as follows:

- Drainage Inlets/Catch Basins: 64 inlets
- Basins/Recharge Swales: Three (3) (Basin-1, Basin-2, and Recharge Swale)
- Outfalls located onsite: One (1) outfall from Basin-1 named as "Outfall and Scour Hole" that ultimately discharges to offsite headwall / culvert crossing State Route 55.
- Basin Inlets: Two (2) basin inlets located inside Basin-1 and one (1) basin inlet located inside Basin-2.
- Basin-1 Outlet Structure.
- Basin-1 and Basin-2 Emergency Overflow Spillways.
- Other Stormwater Features located on site: Multiple seepage pits and dry wells located around the building structures and parking lots.

The stormwater management features are provided in the inspection logs included as attachments to this plan.

## IV. LOCATION MAP

A copy of the Stormwater Facilities Map is included as **Attachment A**. The Stormwater Facilities Map includes a map of the existing stormwater management system, including drainage inlets/catch basins, stormwater basins, outlet structures, outfall locations, seepage pits, and other facilities located on the Site. The Stormwater Facilities Map was updated in June 2022 using information provided on previous stormwater management plans, existing facility maps, GIS information, and the inspection completed in April 2022.

## V. STANDARD OPERATION PROCEDURES

The following Standard Operating Procedures are included in details as Attachment B:

- Vehicle Maintenance
- Vehicle and Equipment Fueling
- Vegetative Waste Collection
- Good Housekeeping

## VI. DESCRIPTION OF MAINTENANCE ACTIVITIES

#### A. Preventative Maintenance Actions

The following table provides a summary of preventative maintenance actions to be completed at the features identified on the Stormwater Facilities Map. Each action should be completed at the indicated frequency at a minimum. Preventative maintenance may be implemented on an asneeded basis, should conditions warrant particularly before and after major storm events.

**Table 1: Preventive Maintenance Action** 

Frequency	Preventative Maintenance Actions	Stormwater Facilities
Monthly	<ol> <li>Vegetation mowing and removal in growing season</li> <li>Street Sweeping</li> </ol>	Outfalls, outlet structures, catch basins/drainage inlets
Quarterly	Quarterly inspection	Basins, recharge swales, catch basins/drainage inlets, seepage pits, drywells
Annual	<ol> <li>Annual inspection including basin structural inspection.</li> <li>Sediment removal, depending on the type of measure.</li> </ol>	Basins, recharge swales, catch/basins/drainage inlets, seepage pits, drywells
Biennial	Sand layer replacement for sand filter and infiltration basins only.	Basins only
Unscheduled	Quick inspection after major storm events	Catch basins/drainage inlets, basins, recharge swales, outlet structures

Inspection forms related to preventative maintenance and routine inspections are included as follows:

- Attachment C Stormwater Basin Inspection Form
- Attachment D Source Materials Inspection Form
- Attachment E Catch Basin/Drainage Inlet Inspection Form
- Attachment F Street Sweeping Log

#### **B.** Corrective Maintenance Actions

The following Table provides a summary of corrective maintenance actions to be completed at the features identified on the Stormwater Facilities Map.

**Table 2: Corrective Maintenance Action** 

Potential Corrective Maintenance Actions	Stormwater Management Measures/No.
Labelling of Storm Drain Inlets	Catch basins/drainage inlets
Replacing filter fabric	Seepage pits
Cleaning out trash/debris and excess sediment	Catch Basins/Drainage Inlets, seepage pits, dry wells
Structural repairs at drainage structures	Outfalls, basins, catch basins/drainage inlets, seepage pits

Corrective Maintenance actions that are scheduled or completed are to be recorded on the corresponding inspection sheet, and descriptions are to be provided for all corrective maintenance activities.

## VII. TRAINING REQUIREMENTS – MAINTENANCE PERSONNEL

In accordance with the NJPDES permit, all maintenance personnel responsible for conducting, overseeing, or managing stormwater maintenance activities and general maintenance that could impact stormwater quality must meet training requirements. Training modules are to be carried out on either an annual or biennial basis, as specified by the permit, and must be conducted by a qualified trainer.

The following training modules are required to be conducted on an annual basis, for all maintenance employees:

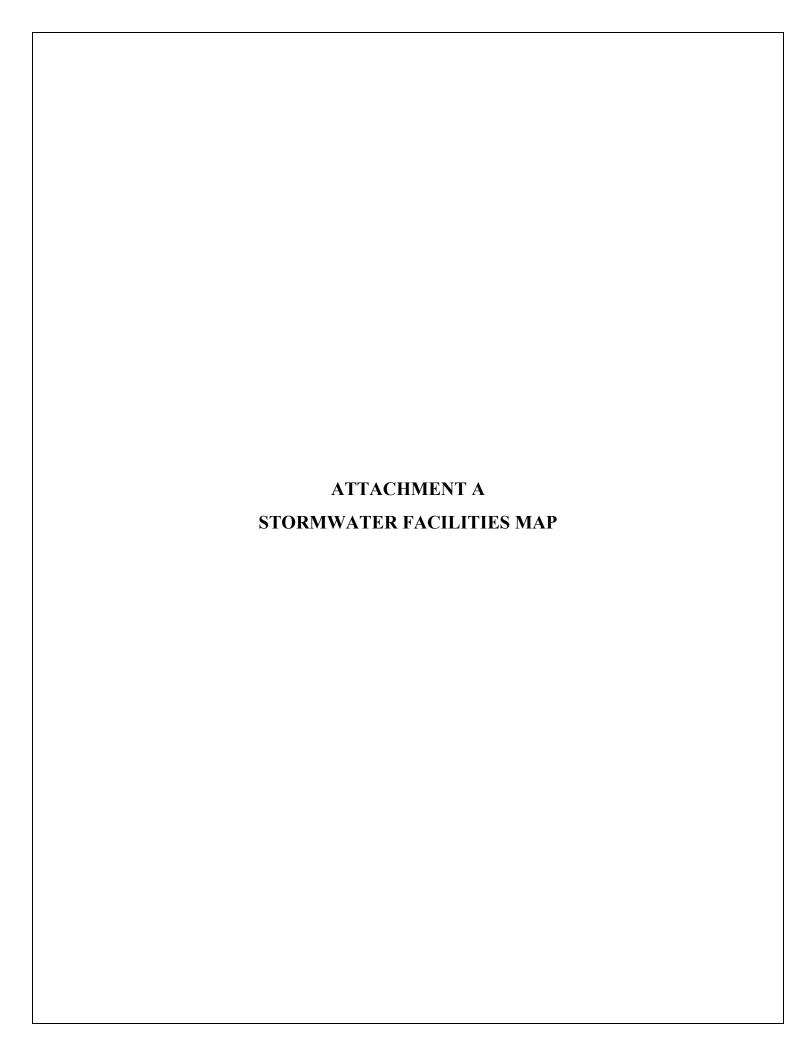
- 1. Maintenance of Stormwater Features
- 2. Maintenance Yard Operations and Ancillary Operations

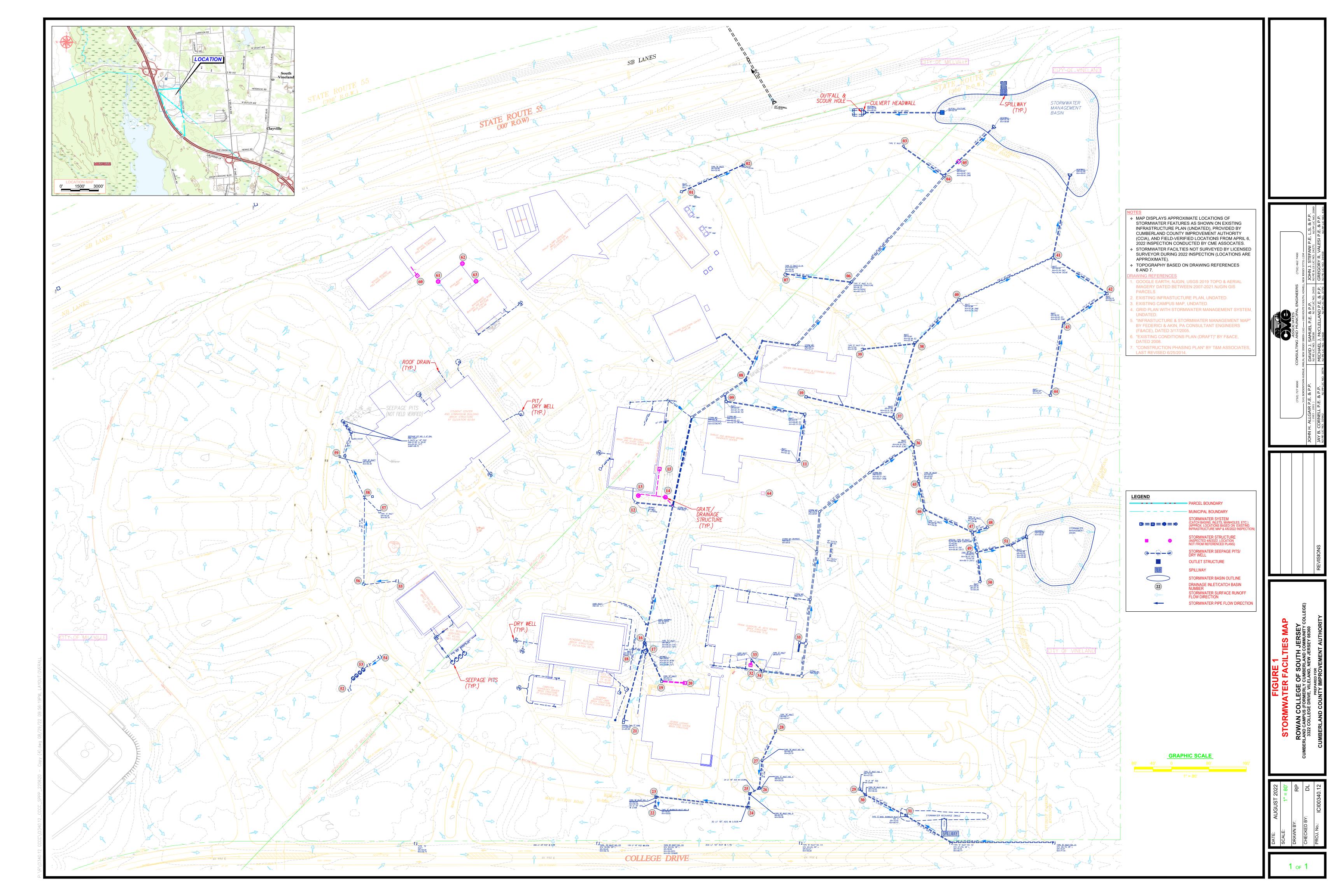
The following training modules are required to be conducted once every two years, for all maintenance employees:

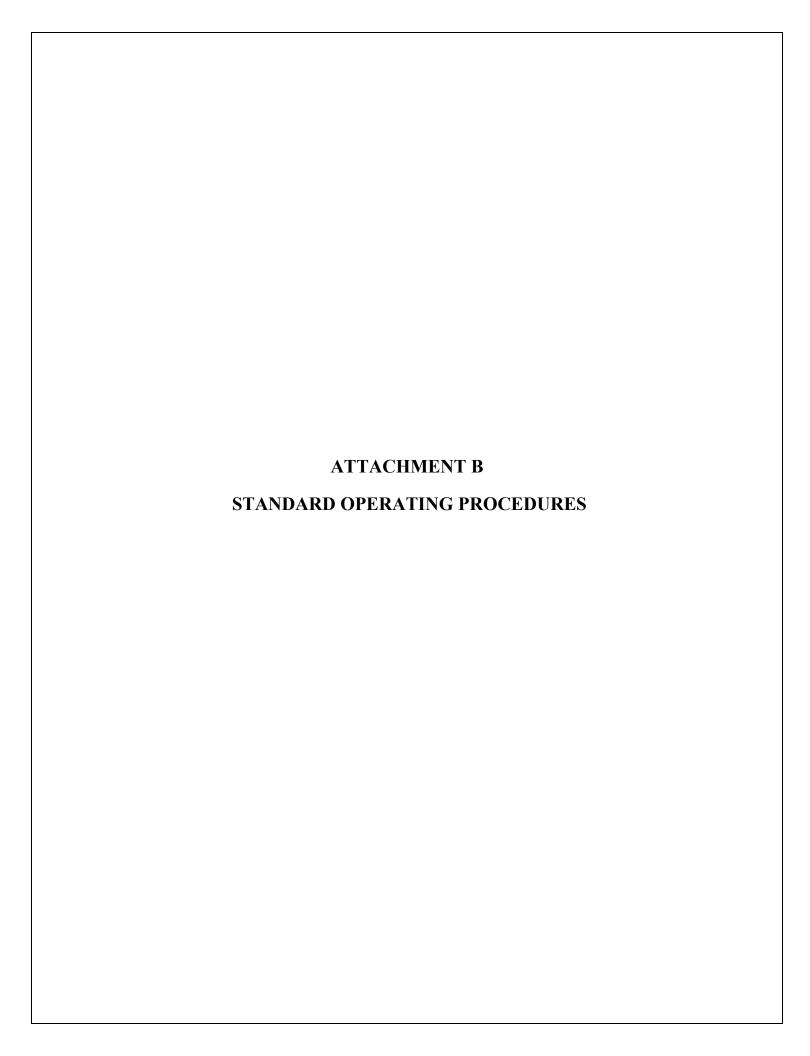
- 1. Street Sweeping and Sweeping Schedules
- 2. Illicit Connection Elimination and Outfall Pipe Mapping

- 3. Regulatory Mechanisms
- 4. Yard Waste Collection Program (if applicable)
- 5. Outfall Pipe Stream Scouring Detection and Control
- 6. Waste Disposal Education
- 7. Construction Activity/Post-Construction Activity Stormwater Management in New Development and Re-development

The NJPDES permit requires that training records be kept on file, and be available for inspection. Training tracking forms are included as **Attachment G** – Training Summary Log and **Attachment H** – Training Attendance Sheet.







## Standard Operating Procedures

Vehicle Maintenance

Effective Date: April 1, 2005

## Introduction and Purpose

This SOP contains the basic practices of vehicle maintenance to be implemented at all maintenance yards, including maintenance activities at ancillary operations, at Cumberland County College. The purpose of this SOP is to provide a set of guidelines to the Cumberland County College vehicle maintenance yards, including maintenance activities at ancillary operations, that take into account waste management, spill prevention, containment and countermeasures, and pollution control.

## Standards and Specifications

- Fire extinguisher must be present prior to beginning any vehicle maintenance operation, and for the duration of any vehicle maintenance operation. No vehicle maintenance operation may take place without a fire extinguisher present.
- Conduct vehicle maintenance operation only in designated areas.
- Whenever possible, perform all vehicle and equipment maintenance activities at an indoor location with a paved floor.
- Always use drip pans.
- Absorbent spill clean-up materials shall be available in maintenance areas and shall be disposed of properly after use.
- Maintenance areas shall be protected from stormwater run-on and runoff, and shall be located at least 50 feet from downstream drainage facilities and watercourses.
- Use portable tents or construct a roofing-device over long-term maintenance areas and for projects that must be performed outdoors.
- Do not dump or dispose oils, grease, fluids, and lubricants onto the ground.
- Do not dump or dispose batteries, used oils, antifreeze and other toxic fluids into a storm drain or watercourse.
- Do not bury tires.
- Collect waste fluids in properly labeled containers and dispose of properly.

## Spill Response and Reporting

- Provide spill containment dikes or secondary containment around stored oils and other fluid storage drum(s).
- Conduct cleanups of any fuel spills immediately after discovery.

pg. 2 SOP - Vehicle Maintenance

- Spills are to be cleaned using dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (e.g., kitty litter, sawdust, etc.) and the rest of the area is to be swept.
- Collected waste is to be disposed of properly.

### Maintenance and Inspection

Periodically check for leaks and damaged equipment and make repairs as necessary.

## Cumberland County College

## Fueling Spill Response Form

Date of Spill:	Time of Spill:
Estimated Amount of Spill (in gallons):	<u> </u>
Name of Employee Who Called DEP:	
Name of DEP Personnel Contacted:	<u> </u>
Briefly Describe Incident:	
	•
	•
	<u> </u>
Signature	
Printed Name and Title	

This form is to be completed immediately when a fueling spill occurs by the employee supervising the fueling operation. Immediately upon completion, it is to be turned in to the Assistant Superintendent of Facilities and Grounds.

Standard Operating Procedures

Vehicle and Equipment Fueling

Effective Date: April 1, 2005

## Introduction and Purpose

Vehicle and equipment fueling procedures and practices are designed to minimize pollution of surface or ground waters. Understanding the procedures for delivering fuel into vehicles, mobile fuel tanks, and storage tanks is critical for this purpose. Safety is always the priority. These procedures are to be implemented at all maintenance yards with fueling, including mobile fueling operations.

# Standards and Specifications (for vehicle and equipment fueling)

Fire extinguisher must be present prior to beginning any fueling operation, and for the duration of any fueling operation. No fueling operation may take place without a fire extinguisher present.

Shut the engine off.

Ensure that the fuel is the proper type of fuel.

- Absorbent spill clean-up materials and spill kits shall be available in fueling areas and on mobile fueling vehicles and shall be disposed of properly after use.
- Nozzles used in vehicle and equipment fueling shall be equipped with an automatic shut-off to prevent overfill.

Fuel tanks shall not be "topped off."

Mobile fueling shall be minimized. Whenever practical, vehicles and equipment shall be transported to the designated fueling area in the maintenance yard.

Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment, and appropriate contact information for the person(s) responsible for spill response.

# Standards and Specifications (for bulk fueling)

Fire extinguisher must be present prior to beginning any fueling operation, and for the duration of any fueling operation. No fueling operation may take place without a fire extinguisher present.

Drip pans or absorbent pads shall be used under all hose and pipe connections and other leak-prone areas during bulk fueling.

- Sweeping of the loading area should be conducted often during deicing activities to get rid of dirt and other debris. Sweeping of the loading area should also be conducted immediately following loading/unloading activities, when practical.
- Minimize the tracking of materials from storage and loading/unloading areas.
- Minimize the distance that salt and de-icing materials are transported during loading/unloading activities.
- Any materials that are stored outside must be tarped when not actively being used.
- If interim seasonal tarping is being implemented, deicing materials may be stored outdoors only between October 15 through April 30.

### Spill Response and Reporting

- Conduct clean up of any spill(s) immediately after discovery.
- Spills are to be cleaned using dry cleaning methods only,

#### Maintenance and Inspection.

- Periodically check for leaks and damaged equipment and make repairs as necessary.
- Perform monthly inspections of all (indoor and outdoor if applicable) storage locations.

Standard Operating Procedures

Vegetative Waste Collection

Effective Date: April 1, 2005

## Introduction and Purpose

This SOP contains the basic practices of vegetative waste collection to be implemented at Cumberland County College. The purpose of this SOP is to provide a set of guidelines for the employees of Cumberland County College for Vegetative Waste Collection on the campus and any other ancillary operations, that take into account proper recycling, proper waste disposal, and pollution prevention.

### Scope

This SOP applies to all campuses, including any ancillary operations, at Cumberland County College.

## Standards and Specifications

- All lawns and grass areas mowed by Facilities and Grounds personnel will have the grass clippings bagged, raked, or otherwise collected.
- All lawns and grass areas cared for by Facilities and Grounds personnel will have grass clippings, leaves, and other vegetative waste collected.
- All vegetative waste collected is to be located to an area on campus to be recycled as mulch. This area will not be within 10 feet of any storm water inlet.
- No vegetative waste will be collected and stored for any period of time within 10 feet of any storm water inlet.

Standard Operating Procedures

Good Housekeeping

Effective Date: April 1, 2005

#### Introduction and Purpose

This SOP contains the basic practices of good housekeeping to be implemented at maintenance yards, including maintenance activities at ancillary operations, at Cumberland County College. The purpose of this SOP is to provide a set of guidelines for the employees of Cumberland County College for Good Housekeeping Practices at their maintenance yards, including maintenance yards at ancillary operations, that take into account proper waste disposal and pollution prevention.

#### Scope

This SOP applies to all maintenance yards, including maintenance activities at ancillary operations, at Cumberland County College.

### Standards and Specifications (General)

- All containers should be properly labeled and marked, and the labels must remain clean and visible.
- All containers must be kept in good condition and tightly closed when not in use.
- When practical, chemicals, fluids and supplies should be kept indoors.
- If containers are stored outside, they must be covered and placed on spill platforms.
- Keep storage areas clean and well organized,
- Spill kits and drip pans must be kept near any liquid transfer areas, protected from rainfall.
- Absorbent spill clean-up materials must be available in maintenance areas and shall be disposed of properly after use.
- Place trash, dirt and other debris in the dumpster.
- Collect waste fluids in properly labeled containers and dispose of them properly.

#### Standards and Specifications (Salt and Deicing Material Handling)

 During loading and unloading of salt and deicing materials, prevent and/or minimize spills. If salt or deicing materials are spilled, remove the materials using dry cleaning methods. All collected materials shall be either reused or properly discarded.

Standard Operating Procedures

Good Housekeeping

Effective Date: April 1, 2005

### Introduction and Purpose

This SOP contains the basic practices of good housekeeping to be implemented at maintenance yards, including maintenance activities at ancillary operations, at Cumberland County College. The purpose of this SOP is to provide a set of guidelines for the employees of Cumberland County College for Good Housekeeping Practices at their maintenance yards, including maintenance yards at ancillary operations, that take into account proper waste disposal and pollution prevention.

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Standard Operating Procedures

Vegetative Waste Collection

Effective Date: April 1, 2005

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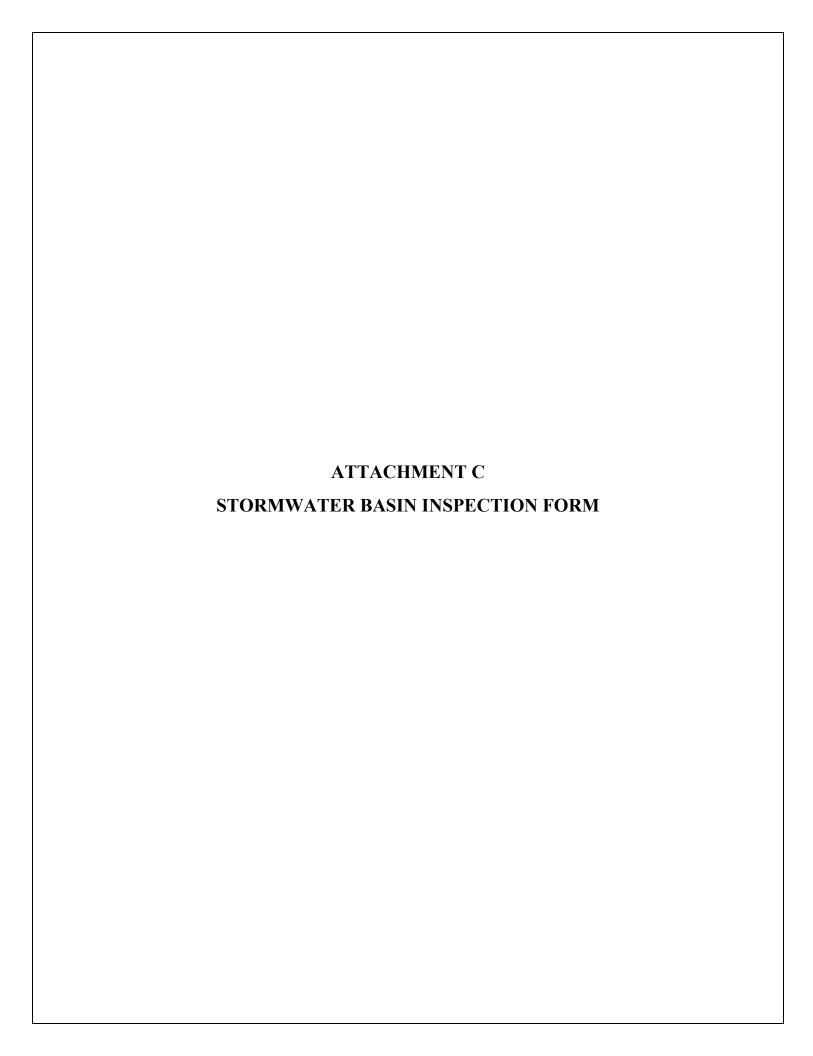
### Scope

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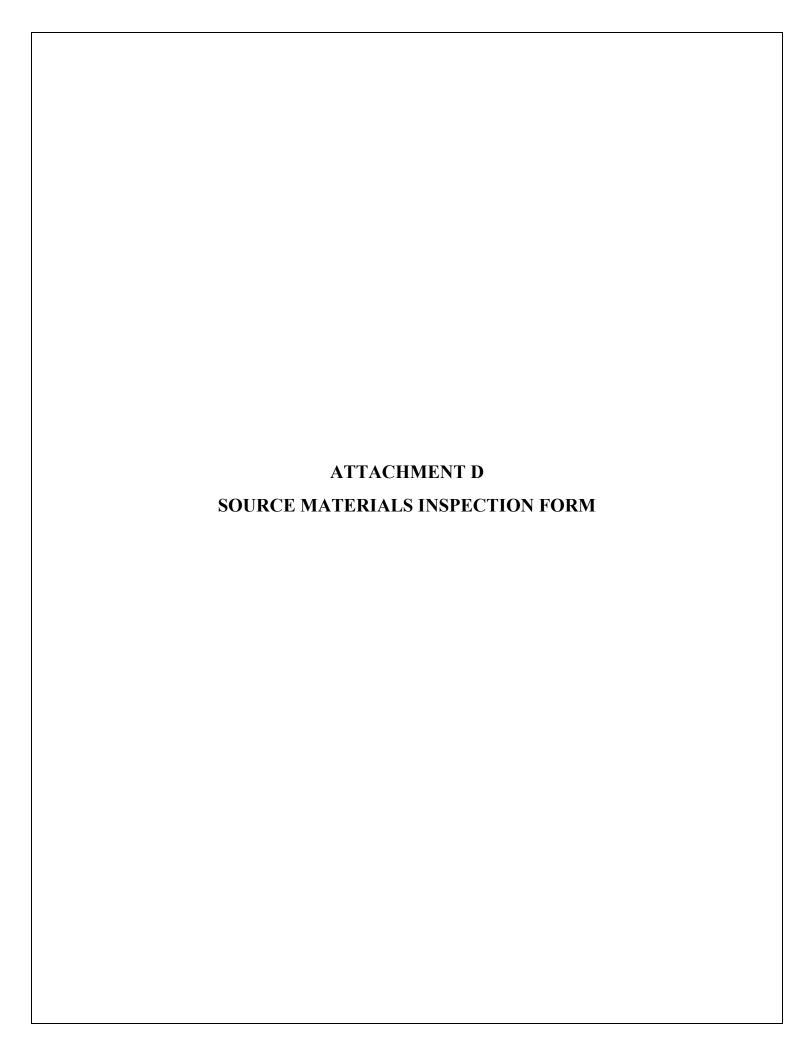


Name of Personnel Conducting Inspection:											
Date of Inspe	ection:										
						n is not observed corresponding bo					
Name of Feature	Evidence of vegetation overgrowth	Presence of silt/sediment in the basin or structure	Presence of debris or trash in structure	Evidence of damage to structure	Presence of odor or staining in structure	Notes/Observa	itions				
Basin-1 Inlets											
Basin-1 Outlet Structure											
Basin-1 Side-slopes											
Basin-1 Emergency Overflow Spillway											
Basin-1 Outfall & Scour Hole											
Basin-2 Inlet											
Basin-2 Side-slopes											
Basin-2 Emergency Overflow Spillway											
Descriptions	/Notes/Obser	vations: Incl	ude descri	ptions of	preventative	maintenance	and/or				

corrective maintenance undertaken or scheduled.

INSPECTION OF BASINS AND OUTFALLS

Descriptions/Notes/Observations (con't.)

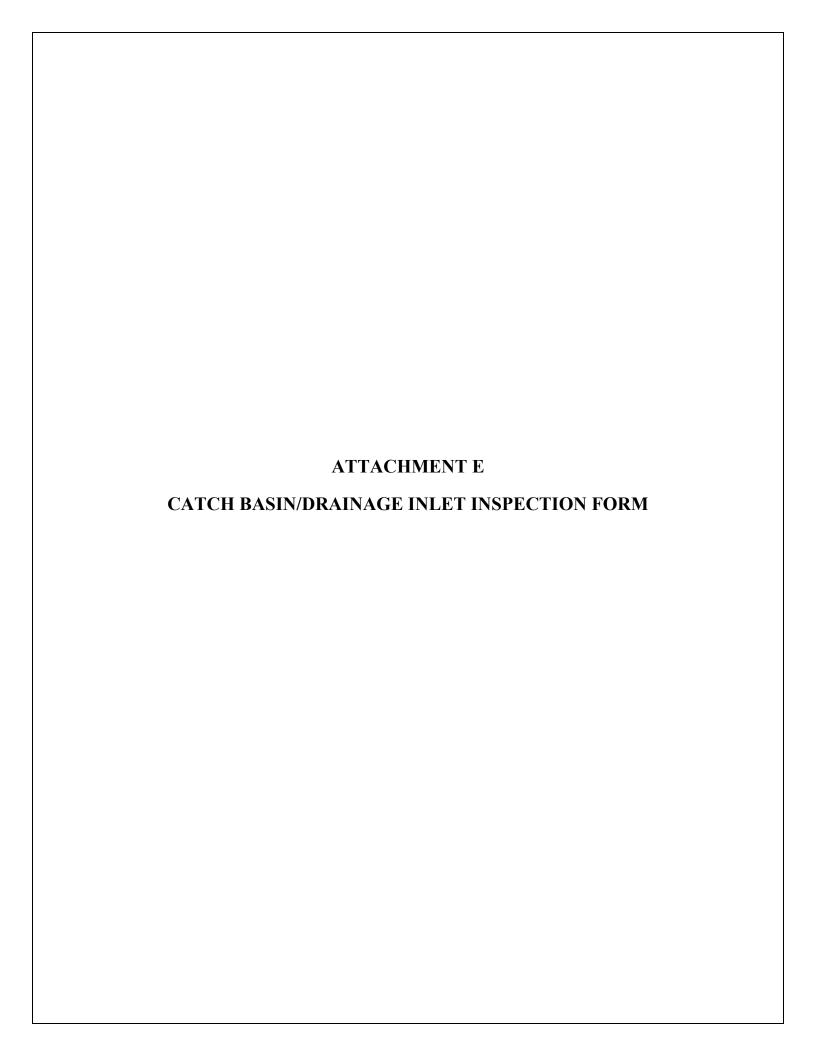


		***************************************		OD							
	INSPECTION OF SOURCE MATERIALS										
Name of Pe	ersonnel Cond	lucting Inspect	ion:								
Date of Insp	pection:										
						n is not observed, leave corresponding box.					
INSPECTIO	ON OF RAW	MATERIALS	AND AGGR	REGATES							
Feature Evidence of Growth of Vegetation Bay Storage Ponded Water Piles Or Runoff Runoff											
Sand											
Stone Aggregate											
Soil											
	riptions/Obse		aintenance an	d/or correcti	ve mainter	nance undertaken or					

Name of Personnel Con	nducting In	nspection:				
Date of Inspection:						
Place a mark (x) in the the box blank. For any	observed	conditions, pla	ace a desci	riptive box in	the corresp	
INSPECTION OF SOU	JRCE MA	TERIALS AT	MAINTE	ENANCE FA	CILITIES	
Condition	Service Building	Maintenance Building	Storage Shed	Equipment Shed	Stockpile Area	Laydown Area
Presence of staining or ponded water						
Presence of Odor, Sheen, Stain, Fuel, or Petroleum Product or other evidence of leak or spill						
Chemical Storage Containers – Labels Missing, Incomplete, or Damaged						
Chemical Storage Containers – Secondary Containment not provided						
Chemical Storage Containers – Secondary Containment full of liquid or solid debris						
Chemical Storage Containers – temporary storage (i.e. drums) not placed within a structure or under cover						
Chemical Storage Containers – temporary storage (i.e. drums) corroded, deformed, or otherwise damaged						

INSPECTION OF SOURCE MATERIALS

Condition	Service	Maintenance	Storage	Equipment	Stooknilo	Laydawn Anao
Condition	Building	Building	Shed	Equipment Shed	Stockpile Area	Laydown Area
Building floor drains directly discharging into the stormwater system, or other known illegal connections						
Fuel Storage — evidence of damage to existing tanks or evidence of past/active spills						
Fuel Storage – absence of spill kits in vicinity of fuel storage tanks						
General Housekeeping  – poor storage of equipment, materials, chemicals, trash, debris, or other items						
Other issue observed (include comment below)						
Notes/Descriptions/Ob	servations:					
(Include descriptions o scheduled)	f preventat	ive maintenan	ce and/or	corrective ma	intenance u	ındertaken or



Name of	Personnel Co	onducting Insp	ection:			
Date of l	Inspection:					
the box l	olank. For an		nditions, place	e a description		ition is not observed, leave escription" box.
Feature	Presence of Silt or Sediment	Presence of Trash or Debris	Damage to Grate or Structures	Presence of Standing Water	Basin Not Labelled	Description
CB-1						
CB-2						
CB-3						
CB-4						
CB-5						
CB-6						
CB-7						
CB-8						
CB-9						
CB-10						
CB-11						
CB-12						
CB-13						
CB-14						
CB-15						
CB-16						
CB-17						

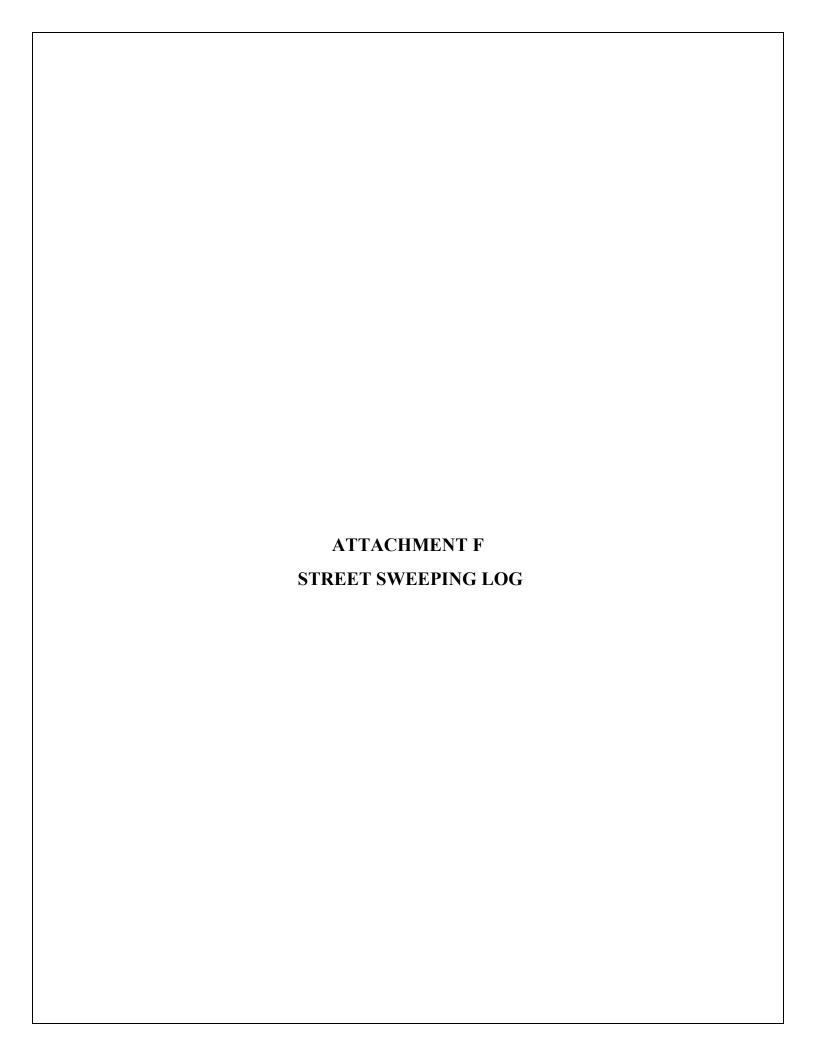
CB-18

INSPECTION OF CATCH BASINS/DRAINAGE INLETS

Feature	Presence of Silt or Sediment	Presence of Trash or Debris	Damage to Grate or Structures	Presence of Standing Water	Basin Not Labelled	Description
CB-19						
CB-20						
CB-21						
CB-22						
CB-23						
CB-24						
CB-25						
CB-26						
CB-27						
CB-28						
CB-29						
CB-30						
CB-31						
CB-32						
CB-33						
CB-34						
CB-35						
CB-36						
CB-37						
CB-38						
CB-39						
CB-40						
CB-41			_			
CB-42						
CB-43						

Feature	Presence of Silt or Sediment	Presence of Trash or Debris	Damage to Grate or Structures	Presence of Standing Water	Basin Not Labelled	Description
CB-44						
CB-45						
CB-46						
CB-47						
CB-48						
CB-49						
CB-50						
CB-51						
CB-52						
CB-53						
CB-54						
CB-55						
CB-56						
CB-57						
CB-58						
CB-59						
CB-60						
CB-61						
CB-62						
CB-63						nance undertaken or

(Include descriptions of preventative maintenance and/or corrective maintenance undertaken or scheduled.)



Name of	Personnel Condu	acting Mainter	nance:			
Date of N	Maintenance:					
Please fil	ll out the boxes for	or each of the	catch basins li	sted below.		
CLEANI	NG OF CATCH	BASINS & D	RAINAGE IN	NLETS		
Feature	Amount of Silt or Sediment Removed	Corrective Maintenance Performed	Routine Maintenance Performed	Location of Silt or Sediment Final Disposal	Date Materials Removed from the facility	Miscellaneous
CB-1						
CB-2						
CB-3						
CB-4						
CB-5						
CB-6						
CB-7						
CB-8						
CB-9						
CB-10						
CB-11						
CB-12						
CB-13						
CB-14						
CB-15						
CB-16						
CB-17						
CB-18						
CB-19						

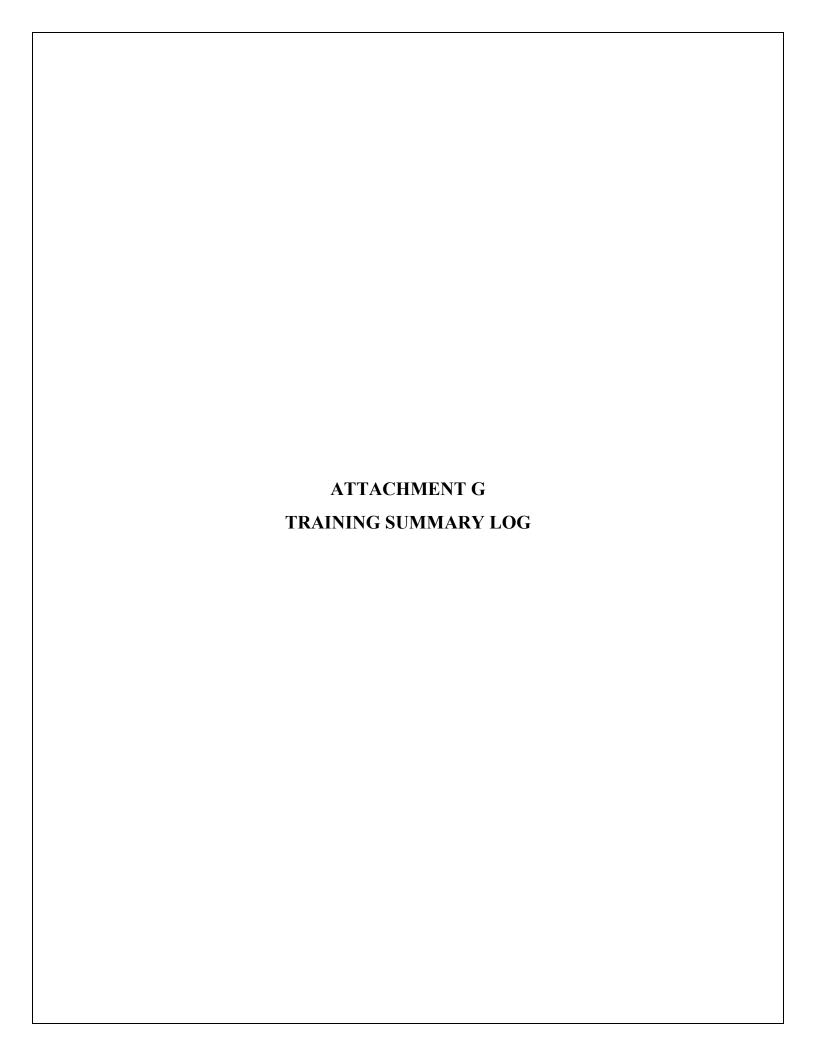
CB-20

STREET SWEEPING LOG

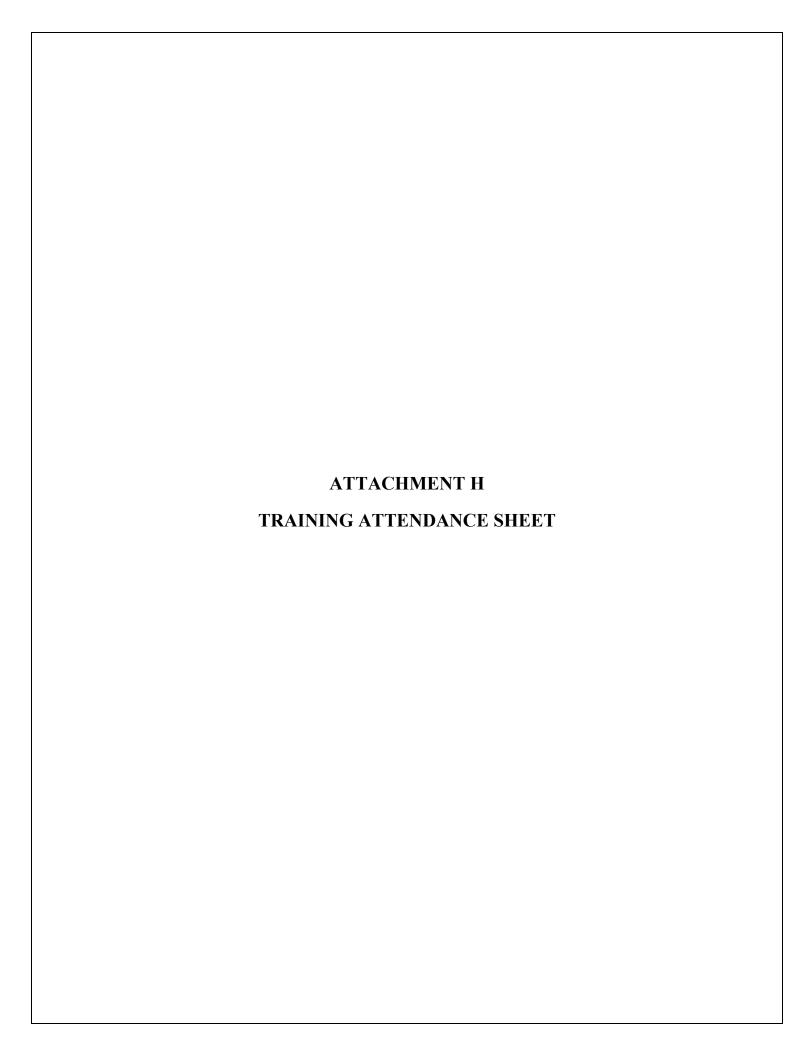
Feature	Amount of Silt or Sediment Removed	Corrective Maintenance Performed	Routine Maintenance Performed	Location of Silt or Sediment Final Disposal	Date Materials Removed from the facility	Miscellaneous
CB-21						
CB-22						
CB-23						
CB-24						
CB-25						
CB-26						
CB-27						
CB-28						
CB-29						
CB-30						
CB-31						
CB-32						
CB-33						
CB-34						
CB-35						
CB-36						
CB-37						
CB-38						
CB-39						
CB-40						
CB-41						
CB-42						
CB-43						
CB-44						
CB-45						

Feature	Amount of Silt or Sediment Removed	Corrective Maintenance Performed	Routine Maintenance Performed	Location of Silt or Sediment Final Disposal	Date Materials Removed from the facility	Miscellaneous
CB-46						
CB-47						
CB-48						
CB-49						
CB-50						
CB-51						
CB-52						
CB-53						
CB-54						
CB-55						
CB-56						
CB-57						
CB-58						
CB-59						
CB-60						
CB-61						
CB-62						
CB-63						
Notes/Ob	oservations	1				

Notes/Observations



TRAINING SUMMARY SHEET									
Name of Personnel Completing Checklist:									
Date of Certifi	ication:								
Certifying Sig	nature:								
For each trainee, place the date of training in the box corresponding to each training module.									
Name	Maint. of Storm Water Features (Annual)	Maint. Yard Ops (Annual)	Sweeping Schedules (Biennial)	Reg. Mechs. (Biennial)	Waste Disposal Education	Outfall Pipe / Stream Scouring Detection and Control	Illicit Conn. Elim. and Outfall Pipe Mapping	Const. Act./ Post- Const SWM	



TRAINING ATTENDANCE SHEET							
Title of Training:							
Name/Title of Trainer:							
Trainer Signature:							
Please write your name, date of tra	ining, and signature below, indi	cating your attendance at the training					
NAME:	DATE:	SIGNATURE:					