June 2020


# STORMWATER POLLUTION PREVENTION PLAN

For

**BRIDGEWATER STATE UNIVERSITY**
Bridgewater, Massachusetts

Prepared for:

**BRIDGEWATER STATE UNIVERSITY**
131 Summer Street
Bridgewater, MA 02324

Prepared by:

**NITSCH ENGINEERING, INC.**
2 Center Plaza, Suite 430
Boston, MA 02108

Nitsch Project #11917.2

**Table of Contents**

## SECTION 1: POLLUTION PREVENTION TEAM

### 1.1 Staff

**Maintenance Manager**

Responsibilities:
Maintenance Manager shall maintain the Stormwater Pollution Prevention Plan (SWPPP) documentation and will conduct and document self-inspections once every 14 days and within 24 hours of a storm event 0.25" or greater. Maintenance Manager will provide copies of inspections reports to the Operations Manager within 24 hours following each inspection. Incidents of non-compliance will be immediately brought to the attention of the Operations Manager. Maintenance Manager shall be responsible for maintaining compliance with the SWPPP, including all requirements listed and will maintain erosion and sediment control Best Management Practices (BMPs) in all areas of the site under its day-to-day control.

Each member of staff is responsible for advising fellow employees of the requirements in the SWPPP. Particular emphasis should be placed on ensuring that employees and subcontractors do not damage BMPs and maintain compliance with the BSU Standard Operating Procedures.

Patricia Delaney, Environmental Health and Safety Specialist
T: 508-531-2751
Email address: PDELANEY@bridgew.edu

### 1.2 Stormwater Team

**Maintenance Manager**
**Stormwater Role/Responsibility:** Responsible for overseeing the development of the SWPPP, modifications and updates to the SWPPP, and for compliance with the requirements of the campus MS4 and operational procedures (e.g., installing and maintaining stormwater controls, conducting site inspections, picking up trash, taking corrective actions where required, etc.).

Patricia Delaney, Environmental Health and Safety Specialist
T: 508-531-2751
Email address: PDELANEY@bridgew.edu

Date: _____

**Site Maintenance Team Member**

**Stormwater Role/Responsibility:** Responsible for compliance with the requirements in this plan (e.g., installing and maintaining stormwater controls, conducting site inspections, taking corrective actions where required, etc.).

**Team Members:**
Karen Jason, Vice President of Operations
T: 508-531-2750

Email Address: kjason@bridgew.edu

Robert Fisher, Associate Director of Facilities Management
T: 508-531-1296
Email Address: r2fisher@bridgew.edu

Melinda Lamoureux, Director of Facilities Management
T:508-531-1291
Email Address: mlamoureaux@bridgew.edu

Kevin Curry, Faculty Coordinator – Watershed Access Lab
T:508-531-2082
Email Address: kcurry@bridgew.edu

John Kucich, Co-Coordinator – Center for Sustainability
T:508-531-2722
Email Address: jkucich@bridgew.edu

Thomas O'Connor, Director of Capital Planning for Operations

Jayson Davis, Assistant Director of Facilities Management

Phil Laliberte, Building Maintenance Supervisor II

Emily Ryan, Administrative Assistant II

## SECTION 2: SITE DESCRIPTION, POTENTIAL POLLUTANT ASSESSMENT, AND PLANNING

### 2.1 Site Information

**Site Name and Address**

**Site 1: BSU "Tree Farm" (Staging Area / Maintenance Yard)**
Street/Location: 400 Summer Street
Town: Bridgewater
State: Massachusetts
ZIP Code: 02324
Size of Site: 4.74 acres

**Site 2: BSU Operations Center**
Street/Location: 200 Great Hill Drive
Town: Bridgewater
State: Massachusetts
ZIP Code: 02325
Size of Site: 4.34 acres

### 2.2 Nature of the Site and Potential Pollutant Sources

BSU "Tree Farm"

The BSU "Tree Farm" is located at 400 Summer Street. This site is a stockpiling area for building and grounds materials on campus. This includes debris, mulch, loam, landscape surplus and trailer storage. As a staging area, this site is maintained as a 'construction site' and is gated off to public. See Attachment A-1 for a locus map of the full campus and the site's location on campus, and Attachment A-3 for a closer aerial view of the staging area site.

BSU Operations Center

The BSU Operations Center is located at 200 Great Hill Road. The building houses campus facilities management and environmental health and safety, as well as the campus police. The parking area to the rear of the building is where campus vehicles are parked. The area contains a small fueling station for campus vehicles, vehicle maintenance, sand and salt storage, and dumpsters. See Attachment A-1 for a locus map of the full campus and the site's location on campus, and Attachment A-4 including the locations of stormwater outfalls, receiving waters and structural runoff controls.

### 2.3 Facility Structures

**Vehicle Storage and Maintenance**
Facility: BSU "Tree Farm", BSU Operations Center

The BSU Operations Center provides personnel with heated, covered areas in which to complete minor maintenance, oil changes and preparation of vehicles, equipment and tools for use at locations around the BSU campus. These buildings are located at the center portion of the site.

**Maintenance and Storage Buildings**
Facility: BSU Operations Center

The BSU Operations Center houses the following:

- Electrical, plumbing, HVAC
- Small equipment, signage, and tools
- Grounds operations materials and equipment
- Latex paint, spray paint, and similar products
- Maintenance foreman
- Trade Shop
- Administration
- Transportation
- Recycling
- Environmental Health and Safety
- Central receiving and inventory management
- Vehicle maintenance

This building and associated garage is fully enclosed. These products are properly stored in flammable materials storage cabinets.

**Storage of Deicing Materials**
Facility: BSU Operations Center

Road salt at BSU are stored in two side by side covered storage areas. The good housekeeping measure used to minimize the exposure resulting for adding to or removing stored materials include sweeping the area regularly or when salt has accumulated on the paved surface.

**Storage of Road Deicing Equipment**
Facility: BSU Operations Center

BSU utilizes a number of salt spreaders and snow plows on its vehicles to adequately maintain roads. Snow plows are stored in the parking garage in the off season and are housed at the operations center in the winter portion of the property. The equipment is suspended off the ground so that can easily be cleaned, inspected, and maintained, but is protected from the elements. The equipment is covered by a roof, but is open on all sides so that plow trucks and other vehicles can easily attach the devices.

**Administrative Buildings**
Facility: BSU Operations Center and Boyden Hall

The BSU Administrative offices for campus operations are located at the north portion of the site. This building includes administrative space, office space and materials storage.

**Fuel Island**
Facility: BSU Operations Center

An island containing two fuel pumps, one for diesel and one for unleaded gasoline is located on the site, and is used on a 24-hour basis for fueling of all BSU vehicles. The fuel pumps are connected to two 5,000 gallon tanks. The island is not covered, Access to these fuel pumps is restricted by key card. The location of the fuel island is such that all users are visible to personnel at all buildings at the Operations Center.

**Solid Waste Management**
Facility: BSU Operations Center

BSU maintains dumpsters at the east portion of the site. These dumpsters are kept closed when not in use. No inappropriate materials were observed during the facility inspection.

**Parking Areas**
Facility: BSU Operations Center

There are several designated parking areas at the BSU Operations Center, each of which is an impervious surface. These parking lots are used primarily for visitors to Operations Center BSU-owned cars for daily use by Operations Center employees, and employees' personal vehicles and BSU owned trucks and buses.

## 2.5 Site Drainage Summary

BSU "Tree Farm"

The area surrounding the BSU Staging Area / Maintenance Yard is comprised mainly of open pervious area. There are several unpaved driveways that loop through the site and grass cover over much of the rest of the site. There are several small outbuildings and concrete pads and the site is surrounded by forested area. There is no structural stormwater system on the site. All stormwater infiltrates or sheet flows off the site.

BSU Operations Center

The area surrounding the BSU Operations Center is comprised mainly of impervious areas including parking lots and building roofs. Surface stormwater runoff drains to catch basins positioned at low points throughout the parking areas. Stormwater from these catch basins is then discharged to a bioretention basin to the south of the site. This basin ultimately discharges to the wetlands southeast of the site.

## 2.6 Potential Pollutant Sources

BSU "Tree Farm"
Potential sources of sediment to stormwater runoff:

- Material stockpiles
- Clearing and grubbing operations
- Grading and excavation
- Topsoil stripping
- Landscape operations
- Soil tracking offsite from maintenance vehicles
- Runoff from unstabilized areas

Potential pollutants and sources, other than sediment, to stormwater runoff:

- Combined Staging Area – fueling activities, equipment maintenance, and hazardous waste storage
- Materials Storage Area – building materials, aggregates, trash, etc.

BSU Operations Center
Potential Sources of sediment to stormwater runoff:

- Salt storage
- Sand storage
- Vehicle washing
- Topsoil stripping

- Landscape operations
- Soil tracking offsite from vehicles
- Runoff from unstabilized areas

Potential pollutants and sources, other than sediment to stormwater runoff:

- Fueling activities, equipment and vehicle maintenance
- Materials storage – salt and sand storage, building materials, solvents, adhesives, paving materials, paints, aggregates
- Trash storage and disposal

**Potential Pollutants**

| Pollutant-Generating Activity | Pollutants or Pollutant Constituents | Location on Site |
|---|---|---|
| Pesticides (insecticides, fungicides, herbicides, rodenticides) | Chlorinated hydrocarbons, organophosphates, carbonates, arsenic | Herbicides used for noxious weed control |
| Fertilizers | Nitrogen, phosphorous | Newly seeded areas |
| Cleaning Solvents | Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates | No equipment cleaning allowed in project limits |
| Asphalt | Oil, petroleum distillates | Streets and parking lots |
| Concrete | Limestone, sand pH, chromium | Curb and gutter, sidewalk, building construction |
| Glue, Adhesives | Polymers, epoxies | Building construction |
| Paints | Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic | Building construction |
| Wood preservatives | Stoddard solvent, petroleum distillates, arsenic, copper, chromium | Timber pads, bracing, building construction |
| Hydraulic Oils/fluids | Mineral oil | Leaks/broken hoses from equipment |
| Gasoline | Benzene, ethyl benzene, toluene, xylene, MTBE | Secondary containment/staging area |
| Diesel Fuel | Petroleum distillate, oil & grease, naphthalene, xylenes | Secondary containment/staging area |

| | | |
|---|---|---|
| Antifreeze/coolant | Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc) | Leaks or broken hoses from equipment |

## 2.7 Allowable Non-Stormwater Discharges / Potential Pollution Sources

**List of Allowable Non-Stormwater Discharges Present at the Site**

| **Type of Allowable Non-Stormwater Discharge** | **Present at BSU Operations Center** |
|---|---|
| Discharges from emergency fire-fighting activities | ☒ YES ☐ NO |
| Fire hydrant flushings | ☒ YES ☐ NO |
| Landscape irrigation | ☒ YES ☐ NO |
| Waters used to wash vehicles and equipment, provided that there is no discharge of soaps, solvents, or detergents used for such purposes | ☒ YES ☐ NO |
| Potable water including uncontaminated water line flushings | ☒ YES ☐ NO |
| External building washdown, provided soaps, solvents, and detergents are not used, and external surfaces do not contain hazardous substances (e.g., paint or caulk containing polychlorinated biphenyls (PCBs)) | ☐ YES ☒ NO |
| Pavement wash waters*, provided spills or leaks of toxic or hazardous substances have not occurred (unless all spill material has been removed) and where soaps, solvents, and detergents are not used. | ☐ YES ☒ NO |
| Uncontaminated air conditioning or compressor condensate | ☒ YES ☐ NO |
| Uncontaminated, non-turbid discharges of ground water or spring water | ☒ YES ☐ NO |
| Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated groundwater | ☒ YES ☐ NO |

*Note: BSU is prohibited from directing pavement wash waters directly into any water of the U.S., storm drain inlet, or stormwater conveyance, unless the conveyance is connected to a sediment basin, sediment trap, or similarly effective control.

## SECTION 3: STORMWATER CONTROL MEASURES

Section 3 of this document describes the stormwater controls that exist and will be implemented throughout the sites. The operator must install/implement and maintain all stormwater controls in compliance with the campus MS4 and the Campus Standard Operating Procedures Manual.

The stormwater controls shall be designed and installed in accordance with good engineering practices and applicable design specifications. BSU Standard Operating Procedures for Erosion and Sediment control are provided under a separate cover titled, “Erosion and Sediment Control”. The options in section 3 listed below are a number of stormwater controls that may be used. Some or All may be used onsite depending on the activity that is going on at the time.

### 3.1 Minimize or Prevent Exposure

To the extent practicable, materials and activities shall be located inside or protected with storm-resistant coverings in order to prevent exposure to rain, snow, snowmelt and runoff, without a significant enlargement of impervious surface area. Materials do not need to be enclosed or covered if stormwater runoff from affected areas will not be discharged directly or indirectly to surface waters or to the MS4 or if discharges are authorized under another NPDES permit.

### 3.2 Good Housekeeping

All exposed areas that are potential sources of pollutants shall be kept clean using measures such as sweeping at regular intervals. Trash containers shall be closed when not in use. Storage areas shall be well swept and free of leaking or damaged containers. Leaking vehicles in need of repair shall be stored indoors.

**Specific Good Housekeeping Controls**

Housekeeping Control # 1

- BMP Description: Street Sweeping.
- Schedule: Refer to the Street Sweeping plan in the Operations and Maintenence Manual
- Inspection Schedule: The areas adjacent to the site should be inspected daily to determine if street sweeping is required.
- Responsible Staff Shared responsibility between BSU and Town of Bridgewater. BSU Responsible staff is Maintenance Manager and Site Maintenance Team

### 3.3 Preventative Maintenance

All equipment and systems shall be regularly inspected, tested, maintained, and repaired to avoid situations that may result in leaks, spills, and other releases of pollutants in stormwater to receiving waters. Inspections shall occur at a minimum of once per quarter.

### 3.4 Erosion and Sediment Control

Structural and non-structural control measures shall be used at the site to stabilize and contain runoff from exposed areas and to minimize or eliminate onsite erosion and sedimentation. Efforts to achieve this may include the use of flow velocity dissipation devices at discharge locations within outfall channels where necessary to reduce erosion.

Erosion and Sediment Control # 1

- BMP Description: Perimeter Controls
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25” or greater.
- Maintenance: Ensure that all stormwater controls remain in effective condition.
  Remove any sediment before it has accumulated to one-half of the above-ground height of any perimeter control.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

Erosion and Sediment Control # 2

- BMP Description: Check Dam
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25” or greater.
- Maintenance: Ensure that all stormwater controls remain in effective condition.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

Erosion and Sediment Control # 3

- BMP Description: Sediment Trap
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25” or greater.
- Maintenance: Ensure that all stormwater controls remain in effective condition.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

Erosion and Sediment Control # 4

- BMP Description: Rip Rap
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25” or greater.
- Maintenance: Ensure that all stormwater controls remain in effective condition.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

### 3.5 Management of Runoff

Stormwater runoff from the site shall be managed in order to prevent or reduce the discharge of pollutants. This may include management practices which divert runoff from areas that are potential sources of pollutants, containing runoff in such areas, or reuse, infiltration or treatment of stormwater to reduce the discharge of pollutants

### 3.6 Stockpiles and Salt Storage Piles

Stockpiles and salt storage pile shall be enclosed or covered to prevent exposure to precipitation. Piles shall be enclosed or covered within two (2) years of the permit effective date. Appropriate measures shall be implemented to minimize exposure resulting from adding to or removing materials from the pile. Piles shall be stored in such a manner as to not impact surface water resources, ground water resources, recharge areas and wells.

**Specific Stockpile Controls**

Stockpile Control # 1

- BMP Description: Perimeter Protection
- Installation Schedule: Immediately after stockpile is established.
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25" or greater.
- Maintenance: Ensure that all stormwater controls remain in effective condition.
  Remove any sediment before it has accumulated to one-half of the above-ground height of any perimeter control.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

Stockpile Control # 2

- BMP Description: Tarp
- Installation Schedule: When stockpile will remain inactive for 14 or more calendar days.
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25" or greater
- Maintenance: Ensure that all stormwater controls remain in effective condition.
  Remove any sediment before it has accumulated to one-half of the above-ground height of any perimeter control.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

Stockpile Control # 3

- BMP Description: Cover/Shelter
- Installation Schedule: When stockpile will remain inactive for 14 or more calendar days.
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25" or greater
- Maintenance: Ensure that all stormwater controls remain in effective condition.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

### 3.7 Employee Training

Training shall be provided regularly for employees who work in areas where materials or activities are exposed to stormwater or who are responsible for activities identified in this document including all members of the Pollution Prevention team. Training shall cover both specific components and scope of this document and the control measures required as described earlier in this section. The date, title and duration of the training, a list of attendees and subject covered during the training shall be documented.

### 3.8 Maintenance of Control Measures

All control measures required by this permit shall be maintained in effective operating condition. Documentation shall be kept onsite that describes procedures and a regular schedule for preventative maintenance of all control measures and discussions of back-up practices in place should a runoff event occur while a control measure is off-line. Nonstructural control measures shall also be diligently maintained.

## SECTION 4: POLLUTION PREVENTION STANDARDS

### 4.1 Spill Prevention and Response

Refer to the Spill Prevention Control and Countermeaure (SPCC) Plan dated November 2007 prepared by TRC Environmental Corporation (see Appendix) that is currently in place for BSU.

### 4.2 Fueling and Maintenance of Equipment or Vehicles

Minor vehicle and equipment emergency maintenance can be performed onsite away from drainage structures. Major vehicle and equipment maintenance must be performed offsite. Equipment/vehicle storage areas and any onsite fuel tanks will be inspected weekly and after storm events. Equipment and vehicles will be inspected for leaks, equipment damage, and other service problems on each day of use. Any leaks will be repaired immediately, or the equipment/vehicle will be removed from the site.

Minor vehicle and equipment emergency maintenance shall occur when a vehicle cannot be safely removed from the site. The vehicle should be repaired so it can be taken off-site so that the rest of the maintenance can occur.

Major vehicle maintenance onsite is prohibited. Re-fueling or maintenance of vehicles within 25 feet of a drainage structure shall be prohibited. Drip pans, drip cloths, or absorbent pads should be used when replacing spent fluids. The fluids should be collected and stored prior to being disposed of offsite.

<u>Specific Pollution Prevention Practice #1</u>

- BMP Description: Spill Kit.
- Installation Schedule: Keep onsite
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member.

<u>Specific Pollution Prevention Practice #2</u>

- BMP Description: Drip Pans, Drip Cloths, Absorbent Pads.
- Installation Schedule: Keep onsite
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member.

### 4.3 Washing of Equipment and Vehicles

Vehicle and equipment washout areas shall be constructed by the contractor so that no untreated water enters the storm drain system. Soaps, detergents, or solvents must be stored in a way to prevent these detergents from coming into contact with rainwater, or a similarly effective means designed to prevent the discharge of pollutants from these areas.

**Specific Pollution Prevention Practices**

Pollution Prevention Practice # 1

- BMP Description: Designated vehicle/equipment washing areas
- Inspection Schedule: Once every 14days and within 24 hours of a storm event 0.25" or greater.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member

Pollution Prevention Practice # 2

- BMP Description: Spill kit, vehicle washing, straw bale catch basin protection, silt fence
- Inspection Schedule: Once every 14 days and within 24 hours of a storm event 0.25" or greater.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member

## 4.4 Storage, Handling, and Disposal of Construction Products, Materials, and Wastes

### 4.4.1 Building Products

The contractor will recycle all construction materials possible. For materials that cannot be recycled, solid waste will be disposed of in accordance with DEP Regulations for Solid Waste Facilities, 310 CMR 10.00.

Any building materials required to be stored onsite will be stored at a combined staging and materials storage area as shown on the CMP. Larger items will be elevated by appropriate methods to minimize contact with runoff. The storage area will be inspected weekly and after storm events. It will be kept clean, organized, and equipped with appropriate cleaning supplies.

Building product usage shall follow the following good housekeeping BMPs:

- The Responsible Staff: Maintenance Manager or Site Maintenance Team Member representative will inspect daily for inspection of the work area to ensure proper management of waste materials.
- Store only enough material onsite required for that job as to satisfy current construction needs.
- Store required materials in tightly lidded containers under cover.
- Store materials in original containers with clearly legible labels.
- Separate and store materials apart from each other.
- Do not mix materials unless specifically in accordance with manufacturers' recommendations.
- Use all products from a container before disposing of the container.
- Follow manufacturers' instructions for handling, storage, and disposing of all materials.
- All materials shall be stored in an area to prevent the discharge of pollutants from building products.

### 4.4.2 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

- In storage areas, provide either (1) cover to minimize the exposure of these chemicals to precipitation and to stormwater or (2) a similarly effective means designed to minimize the discharge of pollutants from these areas.
- Comply with all application and disposal requirements included on the registered pesticide, herbicide, insecticide, and fertilizer label.

### 4.4.3 Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Products, and Other Chemicals

**General**

- Only skilled personnel in a designated area will perform fueling of vehicles onsite.
- Vehicles used onsite will be monitored for fuel and oil leaks.
- Vehicles used onsite will be maintained in good working order.
- Asphalt substances will be applied in accordance with manufacturers' recommendations.
- The use of petroleum products as a release agent for asphalt transport trucks is prohibited.
- Vehicle fueling will only be done in vehicle fueling areas located by the contractor. See section 5.3 of the SWPPP.
- The contractor shall be responsible for locating the fuel storage and re-fueling area onsite to minimize disturbance to construction activates and site area.
- Construction equipment not in active use for 5 minutes or more will be turned off.

### 4.4.4 Hazardous or Toxic Waste

Examples of hazardous or toxic waste include paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, and acids.

- Keep products in their original containers.
- Original container labels should be clearly visible.
- Material safety data sheets will be kept onsite and be available.
- Follow all state, local, and Federal regulations regarding the handling, use, storage, and disposal of hazardous material.

Paints:

- All paint containers will be tightly sealed when not in use.
- Remove excess paint in original labeled containers from the jobsite.
- Paint will not be disposed of onsite. Remove excess paint material from the site and legally dispose of.
- Paint shall not be disposed of in the storm drain system.

### 4.4.5 Waste Management

The contractor will manage domestic waste onsite. The contractor will provide waste containers of sufficient size and number to contain construction and domestic wastes. The waste container lids will be kept closed when not in use and lids will be closed at the end of the business day for those containers that are actively used throughout the day. For waste containers that do not have lids, provide either a cover or a similarly effective means designed to minimize discharge of pollutants. Clean up immediately if containers overflow.

<u>Pollution Prevention Practice # 1</u>

- BMP Description: Dumpster.
- Installation Schedule: Start of construction.
- Maintenance and Inspection: Weekly and covered daily.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

<u>Pollution Prevention Practice # 2</u>

- BMP Description: Litter/debris pick-up.
- Installation Schedule: Start of construction.
- Maintenance and Inspection: Daily.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

### 4.5 Washing of Applicators and Containers used for Paint, Concrete, or Other Materials

Washing of applicators and containers used for paint, concrete, or other materials shall follow the following good housekeeping BMPs:

- An effective means of eliminating the discharge of water from the washout and cleanout of stucco, paint, concrete, form release oils, curing compounds, and other construction materials.
- All washwater must be directed into a leak-proof container or leak-proof pit. The container or pit must be designed so that no overflows can occur due to inadequate sizing or precipitation.
- Washout and cleanout wastes should be handled as follows:
  - Do not dump liquid wastes into storm sewers.
  - Dispose of liquid wastes in accordance with applicable requirements.
  - Remove and dispose of hardened concrete waste consistent with the handling of other construction wastes.
- Locate any washout or cleanout activities as far away as possible from surface waters and stormwater inlets or conveyances, and to the extent practicable, designate areas to be used for these activities and conduct such activities only in these areas.

<u>Pollution Prevention Practice # 1</u>

- BMP Description: Designated applicator and container washing areas.
- Maintenance and Inspection: Daily.
- Responsible Staff: Maintenance Manager and Site Maintenance Team Member(s).

## SECTION 5: INSPECTION AND CORRECTIVE ACTION

### 5.1 Inspection Personnel and Procedures

**Personnel Responsible for Inspections**

Maintenance Manager
Patricia Delaney

**Inspection Schedule**

Specific Inspection Frequency
The contractor shall inspect and maintain erosion control measures, and remove sediment therefrom, Once every 14 days and within 24 hours of a storm event 0.25" or greater.

Rain Gauge Location:
Name: Bridgewater, Massachusetts, USA*
Station name: BRIDGEWATER
Site ID: 19-0840
Latitude: 41.9836°
Longitude: -70.9655°
Elevation: 40 ft

**Inspection Report Forms**

Copies of inspection reports are in Attachment C.

### 5.2 Corrective Action

**Personnel Responsible for Corrective Actions**

Contact Person, Maintenance Manager Company
Contact Person, Site Maintenance Team Member

**Corrective Action Forms**

A copy of the Corrective Action Form is in Attachment D.

### 5.3 Delegation of Authority

**Duly Authorized Representative(s) or Position(s):**

Maintenance Manager
Patricia Delaney
Assistant Director, EH&S Officer
508-531-2751
pdelaney@bridgew.edu

## SECTION 6: TRAINING LOG

Refer to Attachment F for a Training Log to be completed for each SWPPP training session.

**Table 6-1: Documentation for Completion of Training**

| Date | Training Title | Training Duration | Subjects Covered |
|---|---|---|---|
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## SECTION 7: CERTIFICATION AND NOTIFICATION

**Operator – Owner's Representative**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Karen Jason Title: Vice President of Operations

Signature: _____ Date: _____

**Operator – Maintenance Manager**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Patricia Delaney Title: Assistant Director, EH&S Officer

Signature: _____ Date: _____

**SWPPP ATTACHMENTS**

**Attachment A – Site Maps**

**Attachment B – Inspection Form**

**Attachment C – Corrective Action Form**

**Attachment D – SWPPP Amendment Log**

**Attachment E – Grading and Stabilization Activities Log**

**Attachment F– SWPPP Training Log**

**Attachment G – Rainfall Gauge**

**Attachment A – Site Maps**

**Attachment B – Inspection Form**

**Attachment C – Corrective Action Form**

**Attachment D – SWPPP Amendment Log**

| No. | Description of the Amendment | Date of Amendment | Amendment Prepared by [Name(s) and Title] |
|---|---|---|---|
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## Attachment E – Grading and Stabilization Activities Log

| **Date Grading Activity Initiated** | **Description of Grading Activity** | **Description of Stabilization Measure and Location** | **Date Grading Activity Ceased** (Indicate Temporary or Permanent) | **Date When Stabilization Measures Initiated** |
|---|---|---|---|---|
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## Attachment F – SWPPP Training Log

## Stormwater Pollution Prevention Training Log

Project Name:

Project Location:

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: (check as appropriate)

- ❑ **Sediment and Erosion Controls**
- ❑ **Stabilization Controls**
- ❑ **Pollution Prevention Measures**
- ❑ **Emergency Procedures**
- ❑ **Inspections/Corrective Actions**

Specific Training Objective:_____

_____

Attendee Roster: (attach additional pages as necessary)

| No. | Name of Attendee | Company |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |

**Attachment G – Rainfall Gauge Recording**

Use the table below to record the rainfall gauge readings at the beginning and end of each work day. An example table follows.

| Month/Year | | | Month/Year | | | Month/Year | | |
|---|---|---|---|---|---|---|---|---|
| Day | Start | End time | Day | Start | End time | Day | Start time | End time |
| 1 | | | 1 | | | 1 | | |
| 2 | | | 2 | | | 2 | | |
| 3 | | | 3 | | | 3 | | |
| 4 | | | 4 | | | 4 | | |
| 5 | | | 5 | | | 5 | | |
| 6 | | | 6 | | | 6 | | |
| 7 | | | 7 | | | 7 | | |
| 8 | | | 8 | | | 8 | | |
| 9 | | | 9 | | | 9 | | |
| 10 | | | 10 | | | 10 | | |
| 11 | | | 11 | | | 11 | | |
| 12 | | | 12 | | | 12 | | |
| 13 | | | 13 | | | 13 | | |
| 14 | | | 14 | | | 14 | | |
| 15 | | | 15 | | | 15 | | |
| 16 | | | 16 | | | 16 | | |
| 17 | | | 17 | | | 17 | | |
| 18 | | | 18 | | | 18 | | |
| 19 | | | 19 | | | 19 | | |
| 20 | | | 20 | | | 20 | | |
| 21 | | | 21 | | | 21 | | |
| 22 | | | 22 | | | 22 | | |
| 23 | | | 23 | | | 23 | | |
| 24 | | | 24 | | | 24 | | |
| 25 | | | 25 | | | 25 | | |
| 26 | | | 26 | | | 26 | | |
| 27 | | | 27 | | | 27 | | |
| 28 | | | 28 | | | 28 | | |
| 29 | | | 29 | | | 29 | | |
| 30 | | | 30 | | | 30 | | |
| 31 | | | 31 | | | 31 | | |