Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Durham Campus
SWPPP Facilities

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Chase Ocean Engineering

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Chase Ocean Engineering

Facility Name: Chase Ocean Engineering

Facility Address: 24 Colovos Rd

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
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SWMP Team:

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Section 3: Site Description

Chase Ocean Engineering is located at 24 Colovos Rd. While parts of the building are accessible to the public the engineering lab itself is not. Two large pools and differing types of machinery are present, along with their required chemicals. There is about 30 to 40 parking spaces outside the building.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee/Resident Parking	Oil, fuel
2	Pool Maintenance	Chemicals, chlorinated water release
3	Vehicle and Equipment Storage	Oil, fuel
4	Vehicle and Equipment Maintenance	Grease, solvents, paint, oil, fuel

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- Storage areas will be swept a minimum of twice yearly.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- SOP in place to assure pool water is dechlorinated before being drained and discharged through OTF0109. Chemicals are hand delivered in carboys to avoid bulk unloading at the facility.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- Storage areas will be swept a minimum of twice yearly
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- SOP in place to assure pool water is dechlorinated before being drained and discharged through OTF0109.
- Chemicals are hand delivered in carboys to avoid bulk unloading at the facility.

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- Storage areas will be swept a minimum of twice yearly
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- SOP in place to assure pool water is dechlorinated before being drained and discharged through OTF0109. Chemicals are hand delivered in carboys to avoid bulk unloading at the facility.

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**
- SOP in place to assure pool water is dechlorinated before being drained and discharged through OTF0109. Chemicals are hand delivered in carboys to avoid bulk unloading at the facility.

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually
- Catch basins are cleaned at a frequency that ensures sumps are never more than 50% of sediment or debris

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater-related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.
- SOP in place to assure pool water is dechlorinated before being drained and discharged through OTF0109. Chemicals are hand delivered in carboys to avoid bulk unloading at the facility.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

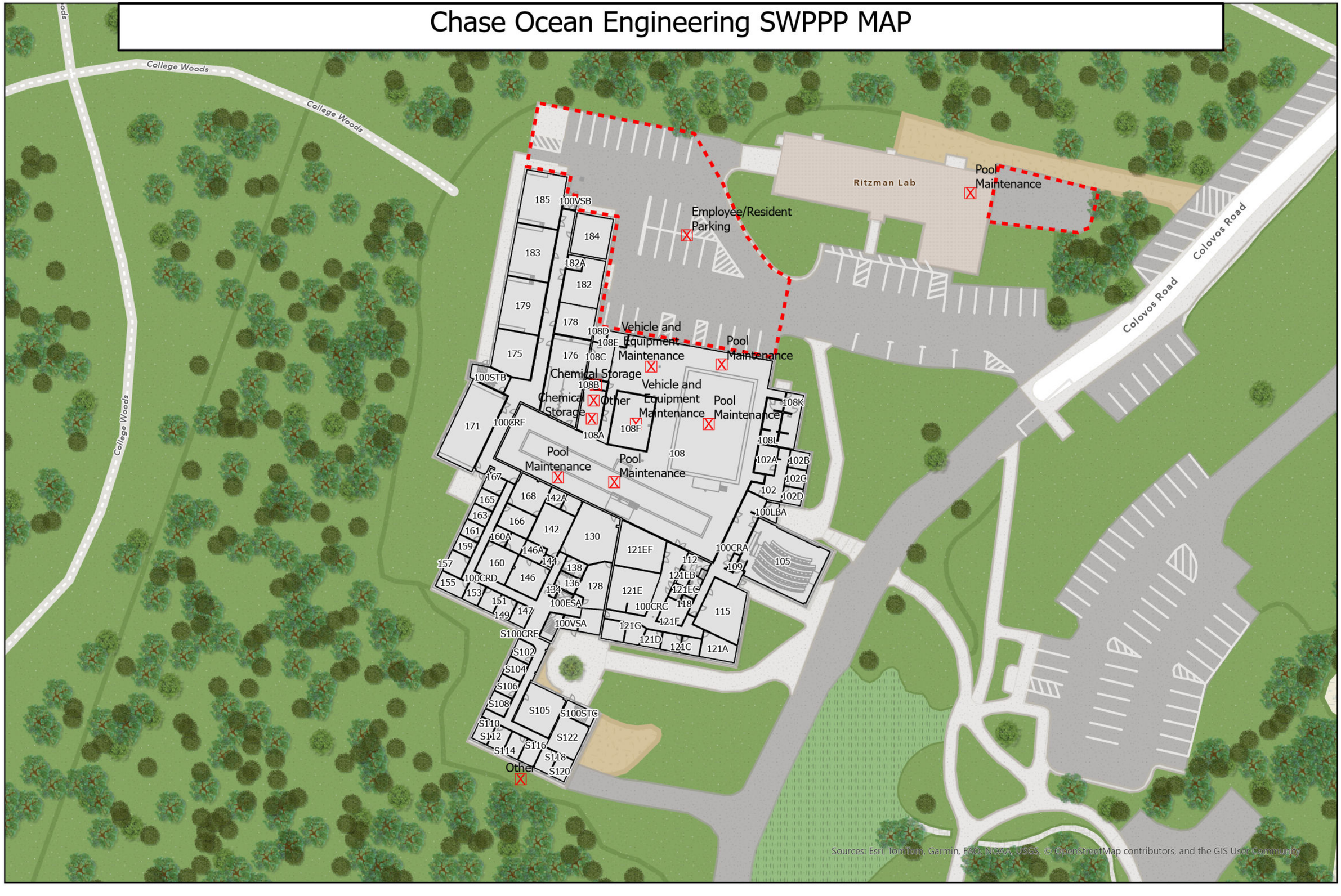
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Chase Ocean Engineering SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Farm Services Machinery Building

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Farm Services Machinery Building

Facility Name: Farm Services Machinery Building

Facility Address: 287 Mast Rd

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
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SWMP Team:

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Section 3: Site Description

Farm Services Machinery Building is located at 287 Mast Rd. This facility has a large gravel and sand yard for both plenty of parking space and tractor or farm equipment storage. There is additional storage space for tractors and farm equipment inside an open side wood building. Another building for equipment repairs is closed off from the yard by garage doors. Both of these buildings and a third open sided wood building stores motor oil and other chemicals. A fourth open sided building stores large piles of sawdust and hay. This facility it not open to the public.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Bulk Material Storage & Handling	Sawdust, hay
2	Vehicle and Equipment Maintenance	Fuel, oil, paints, solvents, antifreeze, diesel exhaust fluid
3	Vehicle and Equipment storage	Fuel, oil
4	Other (Chemical Storage)	Ammonium nitrate fertilizer & pesticide
5	Trash and Recycling Collection	Trash, grease, food waste

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- All substances requiring secondary containment will be handled as such.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Vehicle maintenance will occur indoors where practicable
- Spill response kits are located near storage areas with contact information for incident reporting.
- Vehicle washing will occur in wash bays only.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Leaking vehicles needing repair shall be stored indoors
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Oil shall be stored with containment
- Storage areas will be swept a minimum of twice yearly.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Drums shall be inspected for rust or leakage once per quarter
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

The large parking area is exposed sand and gravel, high potential to be washed away.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

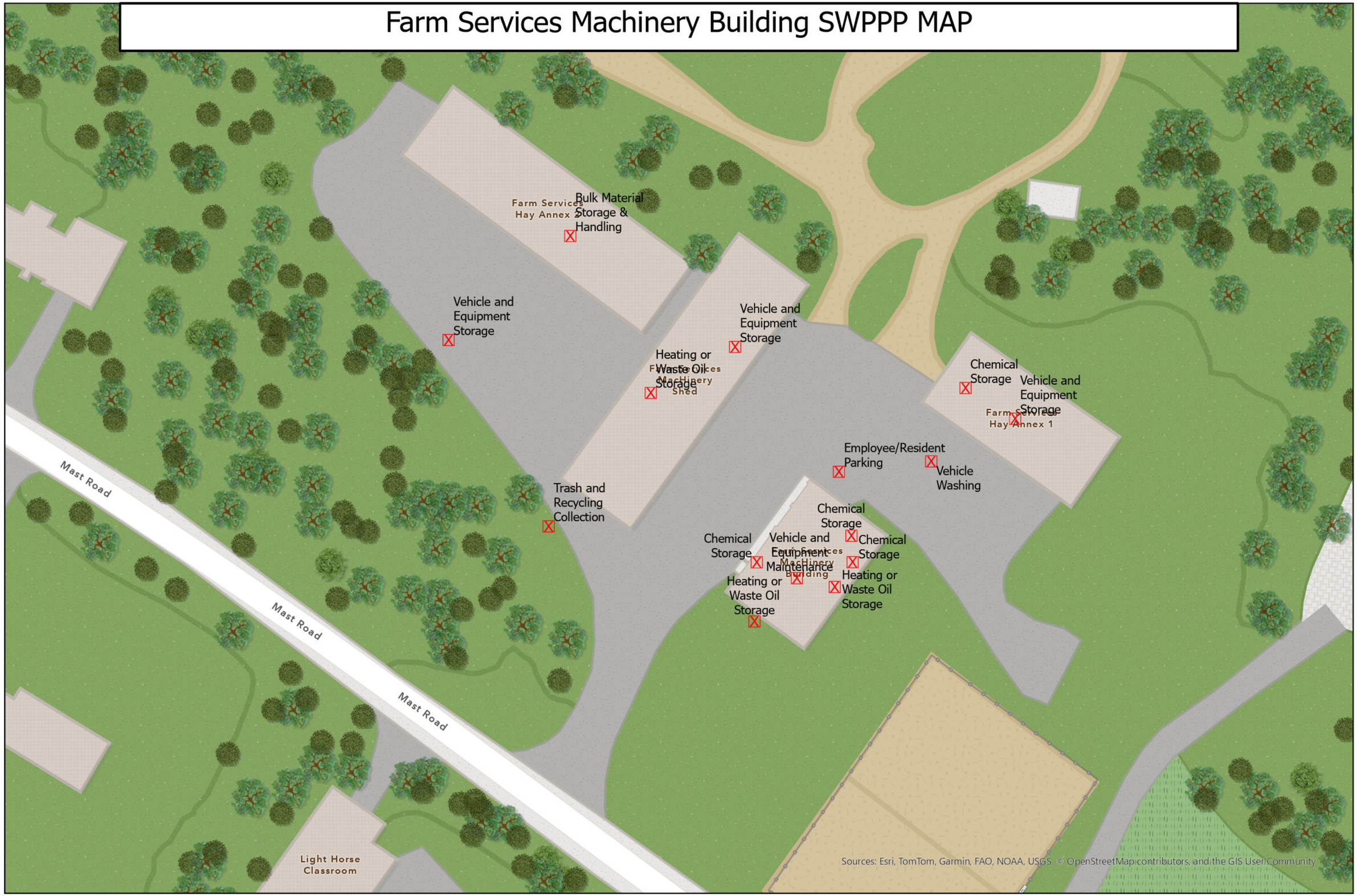
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Farm Services Machinery Building SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Field House

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Field House

Facility Name: Field House

Facility Address: 145 Main Street

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
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SWMP Team:

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Karrie Meyer
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Section 3: Site Description

Field House is located at 145 Main Street. This facility has partial public access. The field house also houses maintenance equipment and chemicals for the facilities it maintains; chemicals for pool upkeep and paint/striping tools for the fields. Waste and janitorial services are also undertaken.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee/Resident Parking	Oil, fuel
2	Line Striping Operations	Paint, solvents
3	Pool Maintenance	Chemicals, chlorinated water releases
4	Heating or Waste Oil Storage	Oil, fuel
5	Trash and Recycling Collection	Trash, grease, food waste

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Storage areas will be swept a minimum of twice yearly.
- Chemical storage shall have secondary containment.

- Tank filling areas are inspected regularly for signs of leaks
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Storage areas will be swept a minimum of twice yearly.
- Chemical storage shall have secondary containment.
- Tank filling areas are inspected regularly for signs of leaks
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.

- Storage areas will be swept a minimum of twice yearly.
- Chemical storage shall have secondary containment.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually
- West lot is treated with bioretention.

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

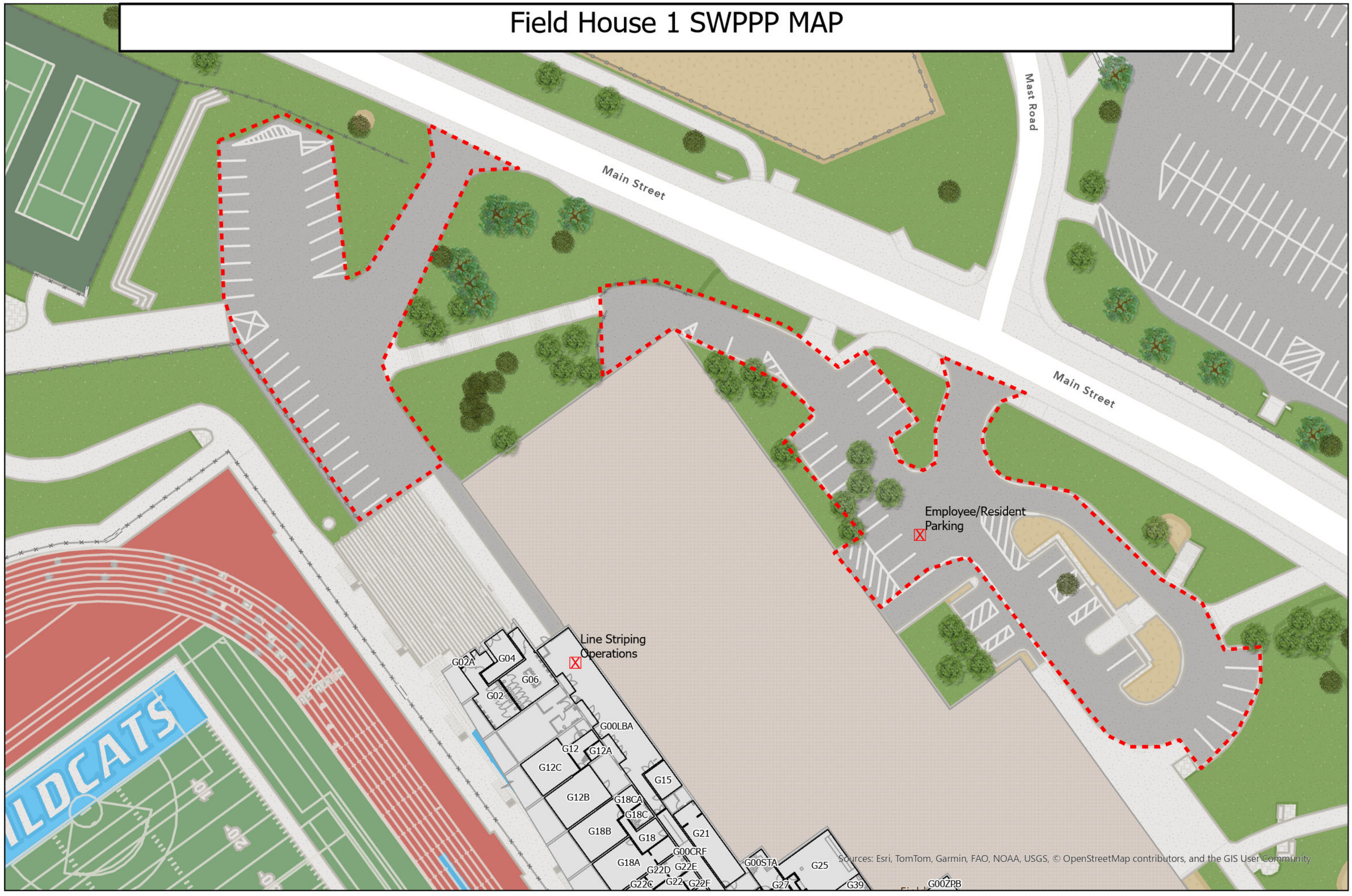
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Field House 1 SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Grounds and Events

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Grounds and Events

Facility Name: Grounds and Events

Facility Address: 25 Waterworks Rd

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
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Section 3: Site Description

Grounds and Events is located at 25 Waterworks Rd. This building has 50 uncurbed parking spaces and no access to the public. The university's road salt is stored here in large covered bays. There are also trucks, plows, loaders, and other vehicles and equipment stored here. This facility also has a washbay for washing vehicles and equipment. This building also stores paint, fuels, and oils necessary to upkeep these machines.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Salt Storage	Chloride
2	Employee/Resident Parking	Oil, fuel
3	Trash and Recycling Collection	Trash, grease, food waste
4	Vehicle and Equipment Maintenance	Grease, solvents, paint, oil, fuel
5	Vehicle and Equipment Storage	Oil, fuel
6	Vehicle Washing	Detergents, solvents, sediments

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Salt is stored on impervious surfaces under cover
- Any material spilled during loading or unloading is promptly cleaned up
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.

- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- Storage areas will be swept a minimum of twice yearly.
- Vehicle washing will occur in washbays only.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Salt is stored on impervious surfaces under cover
- Any material spilled during loading or unloading is promptly cleaned up
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- Storage areas will be swept a minimum of twice yearly.
- Vehicle washing will occur in washbays only.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Salt is stored on impervious surfaces under cover
- Any material spilled during loading or unloading is promptly cleaned up
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.

- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- Storage areas will be swept a minimum of twice yearly.
- Vehicle washing will occur in washbays only.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

Soils near the dumpster area are experiencing erosion.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

Salt is stored in 5 large impermeable concrete bays below roof cover to prevent erosion from the elements.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

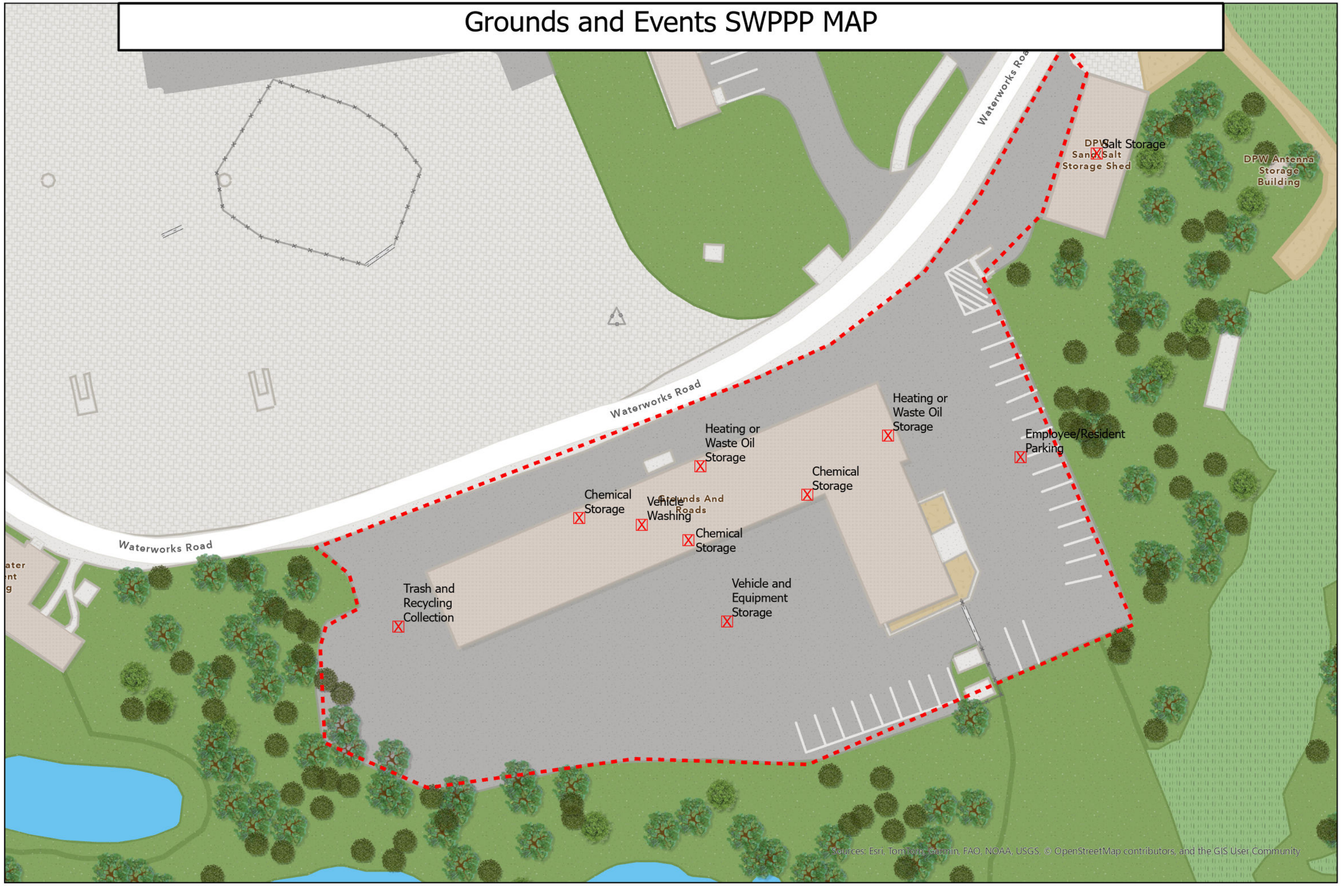
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Grounds and Events SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Hazardous Storage Central Accumulation

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Hazardous Storage Central Accumulation

Facility Name: Hazardous Storage Central Accumulation

Facility Address: 11 Leavitt Lane Durham, NH 03824

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

David Edwards
Hazardous Waste Manager
Environmental Health and Safety
603-862-0683
David.Edwards@unh.edu

Section 3: Site Description

Hazardous Waste Central Accumulation is located at 11 Leavitt Lane Durham, NH. This facility is used to collect and dispose of hazardous waste generated in various buildings across campus.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee Parking	Oil, fuel, sediment
2	Hazardous Waste Storage	Hazardous waste

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Parking areas shall be swept a minimum of twice yearly
- Hazardous materials will be stored and handled as described in the UNH Integrated Contingency Plan

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

The following management practices for erosion and sediment control are used at this facility:

- During quarterly inspections, the site is assessed for erosion concerns. In the case erosion concerns are found, efforts will be made to stabilize the area.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to

University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

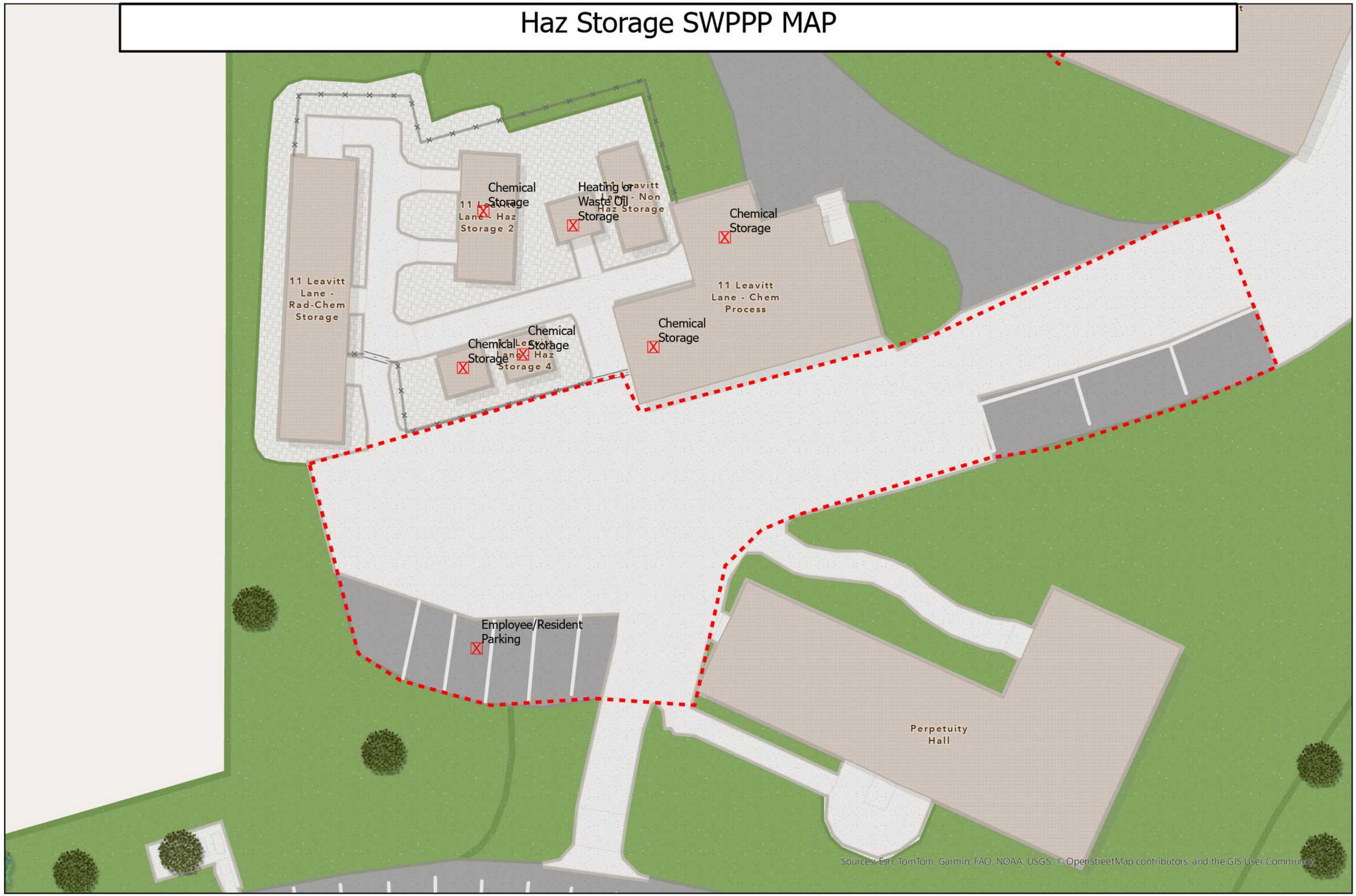
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Haz Storage SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Holloway Commons

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Holloway Commons

Facility Name: Holloway Commons

Facility Address: 75 Main Street

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
karrie.meyer@unh.edu

Section 3: Site Description

Holloway Commons is located at 75 Main Street. This dining hall spans multiple floors and provides access to the public. There is a ground floor which has no public access and houses the cooking, cleaning, and storage necessary to run the dining hall. The building itself has two small curbed parking lots, but is located near other larger parking lots. On the ground floor is a bay for transporting materials on to and off of trucks, as well as large covered dumpsters.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee/Resident Parking	Oil, fuel
2	Food Waste Processing and Handling	Food waste, cooking oil
3	Trash and Recycling Collection	Trash, grease, food waste
4	Laundering and Janitorial Services	Detergents and other cleaning chemicals

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement
- Chemical tank filling and/or storage areas will be inspected regularly to check for spills and leaks

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement
- Chemical tank filling and/or storage areas will be inspected regularly to check for spills and leaks

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement
- Chemical tank filling and/or storage areas will be inspected regularly to check for spills and leaks

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);

- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

Under the overhanging southern side of the building is a large dirt hill, eroding into college brook.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:
- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually
- Multiple gutter downspouts entering MS4 system

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:
- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire –

JTI Laydown

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
JTI Laydown

Facility Name: JTI Laydown

Facility Address: N Drive

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

JTI Laydown is located at N Drive. This medium-size gravel lot stores trucks, construction equipment, construction supplies, and loose material. There is no access to the public.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Bulk Material Storage & Handling	Sediment, chloride, oil, grease, fuel
2	Vehicle and Equipment Storage	Oil, fuel, DEF
3	Heating or Waste Oil Storage	Oil, fuel

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- All substances requiring secondary containment will be handled as such.
- All loose material that can be transported by runoff shall be contained and/or covered to prevent runoff from storage areas reaching drains or waterbodies
- Soils shall be managed in accordance with the UNH Soil Management Plan
- Storage areas will be swept a minimum of twice yearly.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- All substances requiring secondary containment will be handled as such.
- All loose material that can be transported by runoff shall be contained and/or covered to prevent runoff from storage areas reaching drains or waterbodies
- Soils shall be managed in accordance with the UNH Soil Management Plan
- Storage areas will be swept a minimum of twice yearly.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- All substances requiring secondary containment will be handled as such.
- All loose material that can be transported by runoff shall be contained and/or covered to prevent runoff from storage areas reaching drains or waterbodies
- Soils shall be managed in accordance with the UNH Soil Management Plan
- Storage areas will be swept a minimum of twice yearly.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There is erosion from this site downhill toward Pettee Brook, rip rap is in place to control erosion.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire –

Outdoor Pool

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Outdoor Pool

Facility Name: Outdoor Pool

Facility Address: 5 Edgewood Rd

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

The Outdoor Pool is located at 5 Edgewood Rd. This large pool located behind the Hamel Recreation Center is accessible by the public. It only operates for part of the year and is drained in the winter. The building for treating the pool water, the outdoor pool filter house, is not accessible to the public. It has both above ground tank and pipes and a large basement with pumps.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Pool Maintenance	Chemicals, chlorinated water releases
2	Chemical Storage	chlorine, strong acids and bases

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

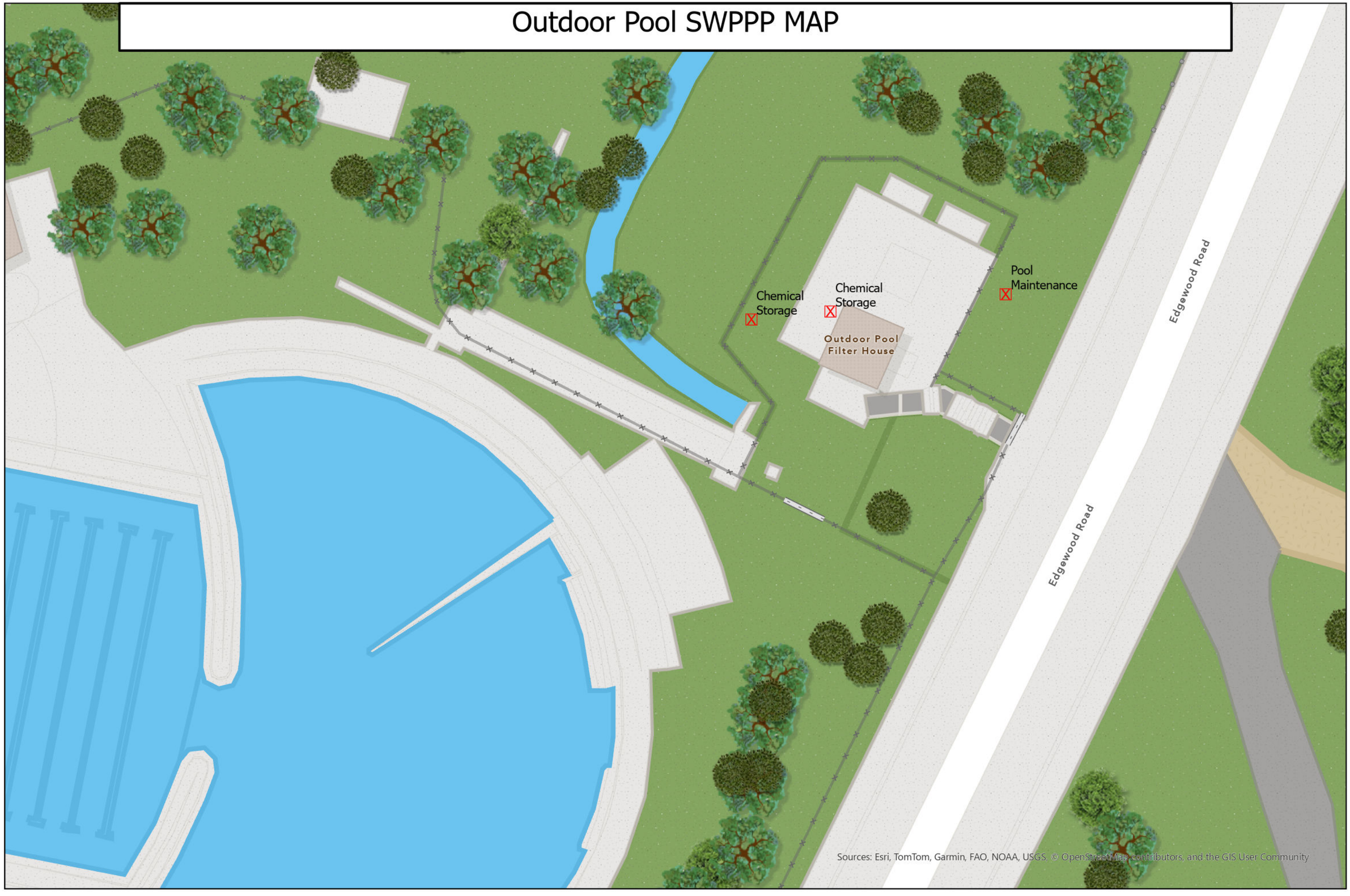
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Outdoor Pool SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Parking and Transit Ctr

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Parking and Transit Center

Facility Name: Parking and Transit Center

Facility Address: 20 Sage Way

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

Parking and Transit Center is located at 20 Sage Way, next to a curbed parking lot with 100 visitor and 50 university parking spots. There is space for a dozen wildcat buses and a compressed natural gas fueling station. The parking and transit center building is not open to the public.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee/Resident Parking	Oil, fuel
2	Vehicle/Equipment Storage	Oil, fuel
3	Other (CNG Bus Fueling)	Oil, fuel

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Parking areas shall be swept a minimum of twice yearly
- CNG station will be checked regularly for leaks.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Parking areas shall be swept a minimum of twice yearly
- CNG station will be checked regularly for leaks.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Parking areas shall be swept a minimum of twice yearly
- CNG station will be checked regularly for leaks.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.

- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

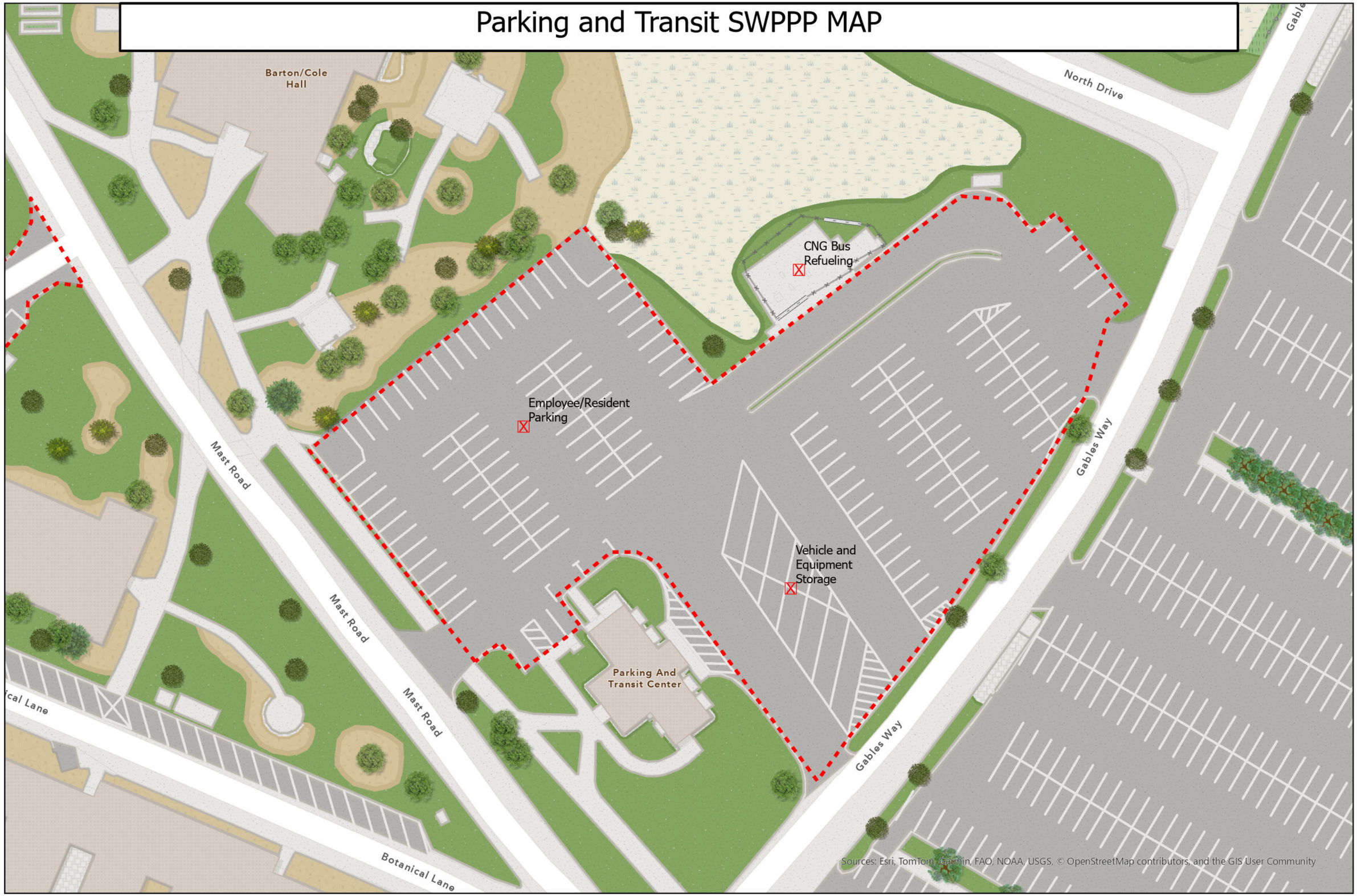
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Parking and Transit SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire –

Philbrook Hall and Chiller Plant

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Philbrook Hall and Chiller Plant

Facility Name: Philbrook Hall and Chiller Plant

Facility Address: 29 McDaniel Drive

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

Philbrook Hall and Chiller Plant is located at 29 McDaniel Drive. This dining hall is open to the public and has a large seating area. Regular kitchen cooking and maintenance activities generate waste oil, trash, and food waste. Covered dumpsters are present outside on the ground floor. There are also laundry facilities present and cleaning chemicals. The chiller plant uses steam generated by the CoGen plant to create cooled water. There are chemicals and oil stored on this site that are necessary in this process. This location also has a parking lot but it is only open to university employees.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Chemical Storage	Soap/detergent, water treatment chemicals
2	Food Waste Processing and Handling	Composted food waste, used cooking oil
3	Heating or Waste Oil Storage	Oil, fuel
4	Trash and Recycling Collection	Trash, grease, food waste
5	Employee/Resident Parking	Oil, fuel.

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter

- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Parking areas shall be swept a minimum of twice yearly

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Parking areas shall be swept a minimum of twice yearly

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.

- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Parking areas shall be swept a minimum of twice yearly

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

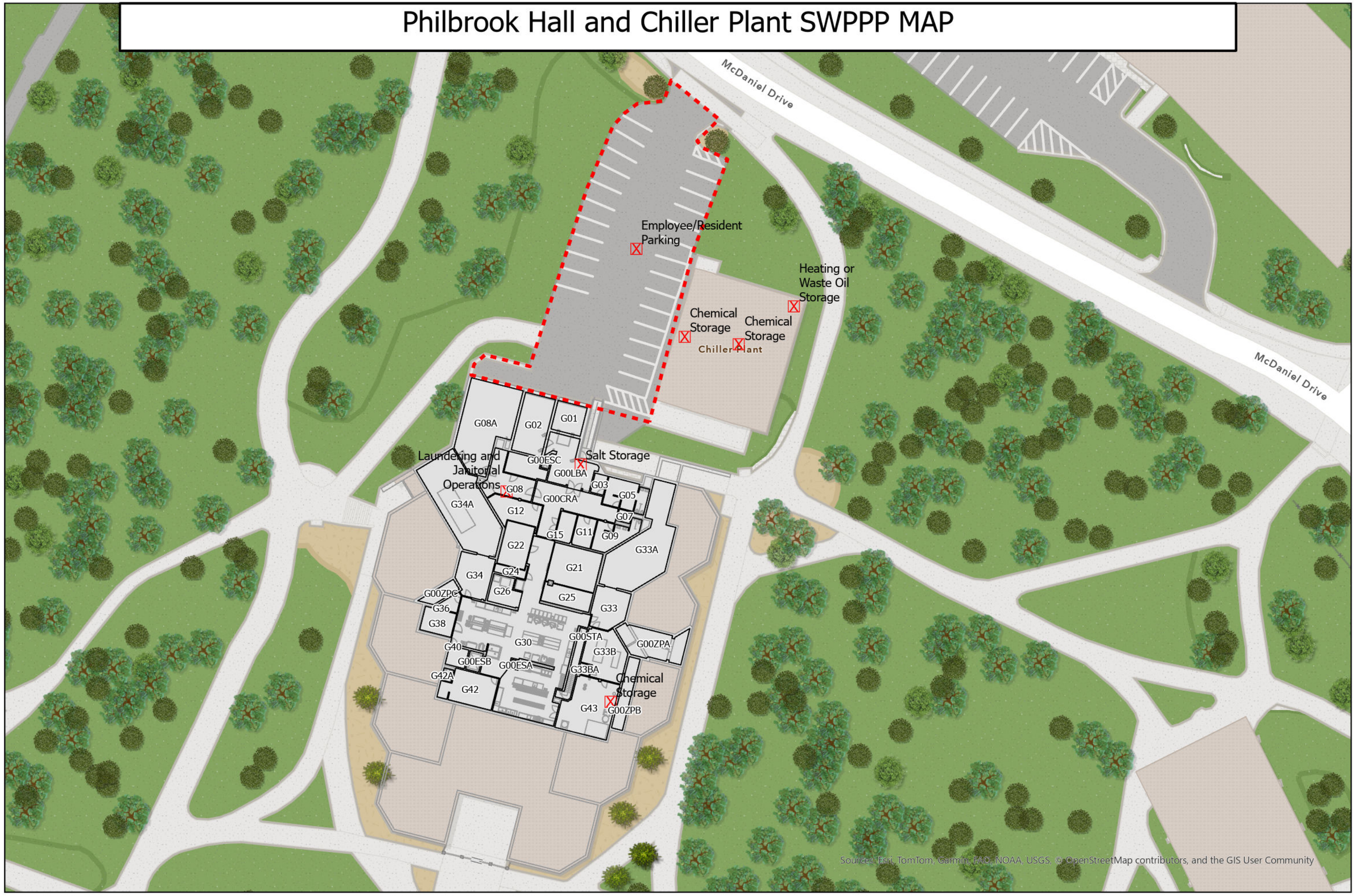
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Philbrook Hall and Chiller Plant SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Spinney Lane Contractor Lot

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Spinney Lane Contractor Lot

Facility Name: Spinney Lane Contractor Lot

Facility Address: Spinney Lane Durham NH, 03869

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Amy Gray (Facility Manager)
Director of Transportation & Campus Services
UNH Hospitality Services
603-862-4924
amy.gray@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
207-459-6120
karrie.meyer@unh.edu

Section 3: Site Description

Spinney Lane Contractor Lot is located at Spinney Lane. This dirt lot serves as a location for contractors to store trailers and containers on campus, as well as UNH clubs or groups. While there is space for 100 cars to park and no gates this is not a parking lot, and is not designated for public use.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Asphalt Recycling	Oil, grease, fuel, sediment
2	Bulk Material Storage & Handling	Sediment, oil, grease, fuel, urban fill
3	Vehicle and Equipment Storage	Oil, fuel
4	Trash and Recycling Collection	Trash, grease, food waste

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- All loose material shall be contained and/or covered to prevent runoff from the storage areas reaching drains or waterbodies.
- Trash is cleared from the site as needed

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- All loose material shall be contained and/or covered to prevent runoff from the storage areas reaching drains or waterbodies.
- Trash is cleared from the site as needed

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- All loose material shall be contained and/or covered to prevent runoff from the storage areas reaching drains or waterbodies
- Trash is cleared from the site as needed

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;

Section 4.5: Erosion and Sediment Control

The site is heavily used for soils and loose bulk material stockpiling. These activities as well as the natural topography and proximity of receiving water bodies, make erosion and sediment control a critical area of pollutant exposure. The following BMP's are required to prevent runoff from carrying sediment and bulk materials into the Durham Reservoir and Reservoir/ Pettee Brook:

- Soil stockpiles must be either covered or contained with either silt fence or straw/biomass waddles.
- Asphalt stockpiles must be contained or covered.
- Stabilized construction entrance made of rip rap or proprietary product designed to limit tracking of sediment and asphalt millings from the lot into the roadway.
- Grass areas must be maintained to provide a vegetated buffer between the lot and the roadway. Erosion must be stabilized when found.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

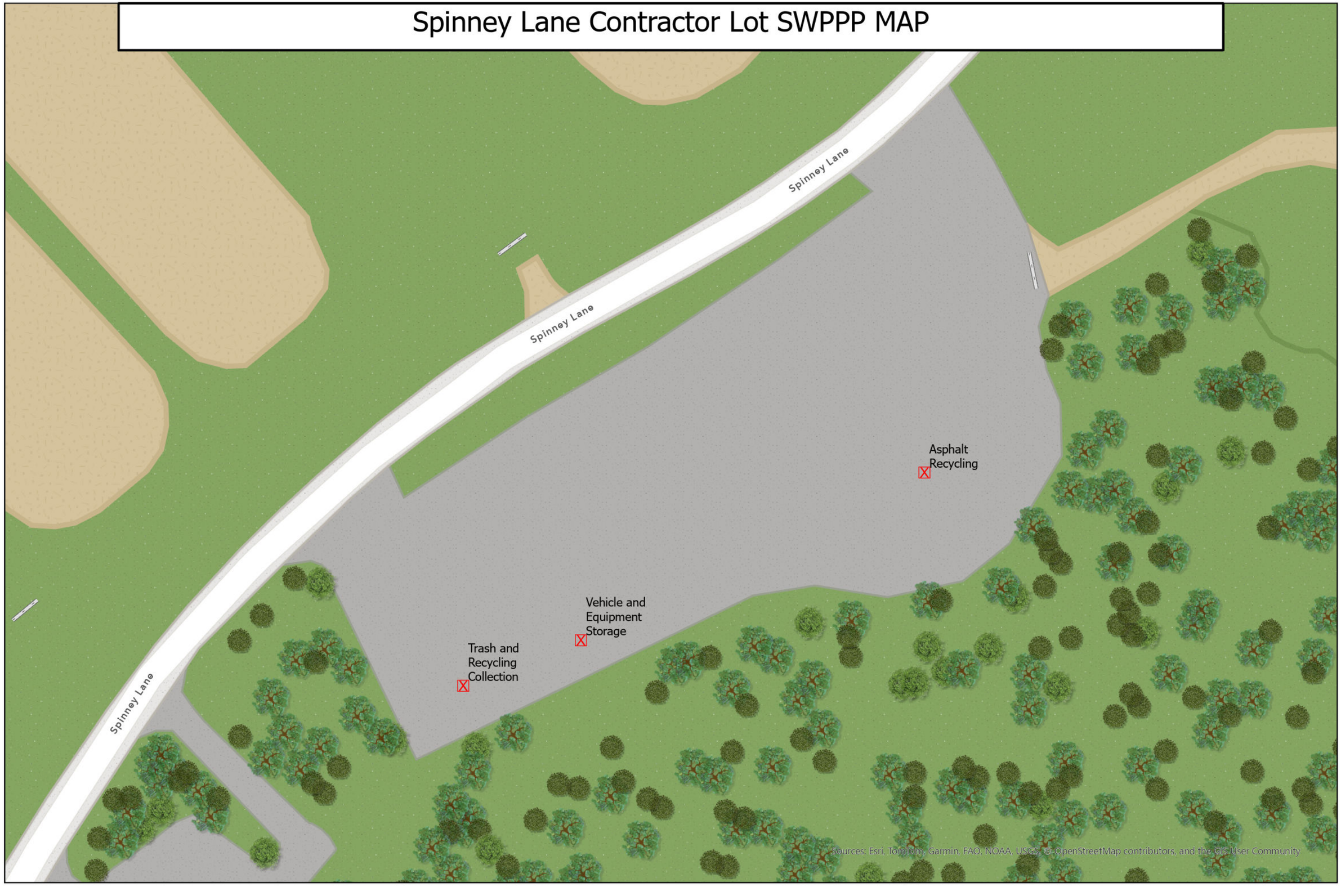
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Spinney Lane Contractor Lot SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Spinney Lane Refrigerant Storage

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Spinney Lane Refrigerant Storage

Facility Name: Spinney Lane Refrigerant Storage

Facility Address: Spinney Ln

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
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UNH Facilities – Environmental Health and Safety
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Karrie.Meyer@unh.edu

Section 3: Site Description

Spinney Lane Refrigerant Storage is located at Spinney Ln. This lot is has no public access and is an outdoor storage space for broken refrigeration equipment.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Refrigerant Recycling	Chemicals, trash

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- All substances requiring secondary containment will be handled as such.
- Refrigerant and scrap materials shall be stored in a manner that limits exposure to stormwater

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- All substances requiring secondary containment will be handled as such.
- Refrigerant and scrap materials shall be stored in a manner that limits exposure to stormwater

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- All substances requiring secondary containment will be handled as such.
- Refrigerant and scrap materials shall be stored in a manner that limits exposure to stormwater

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

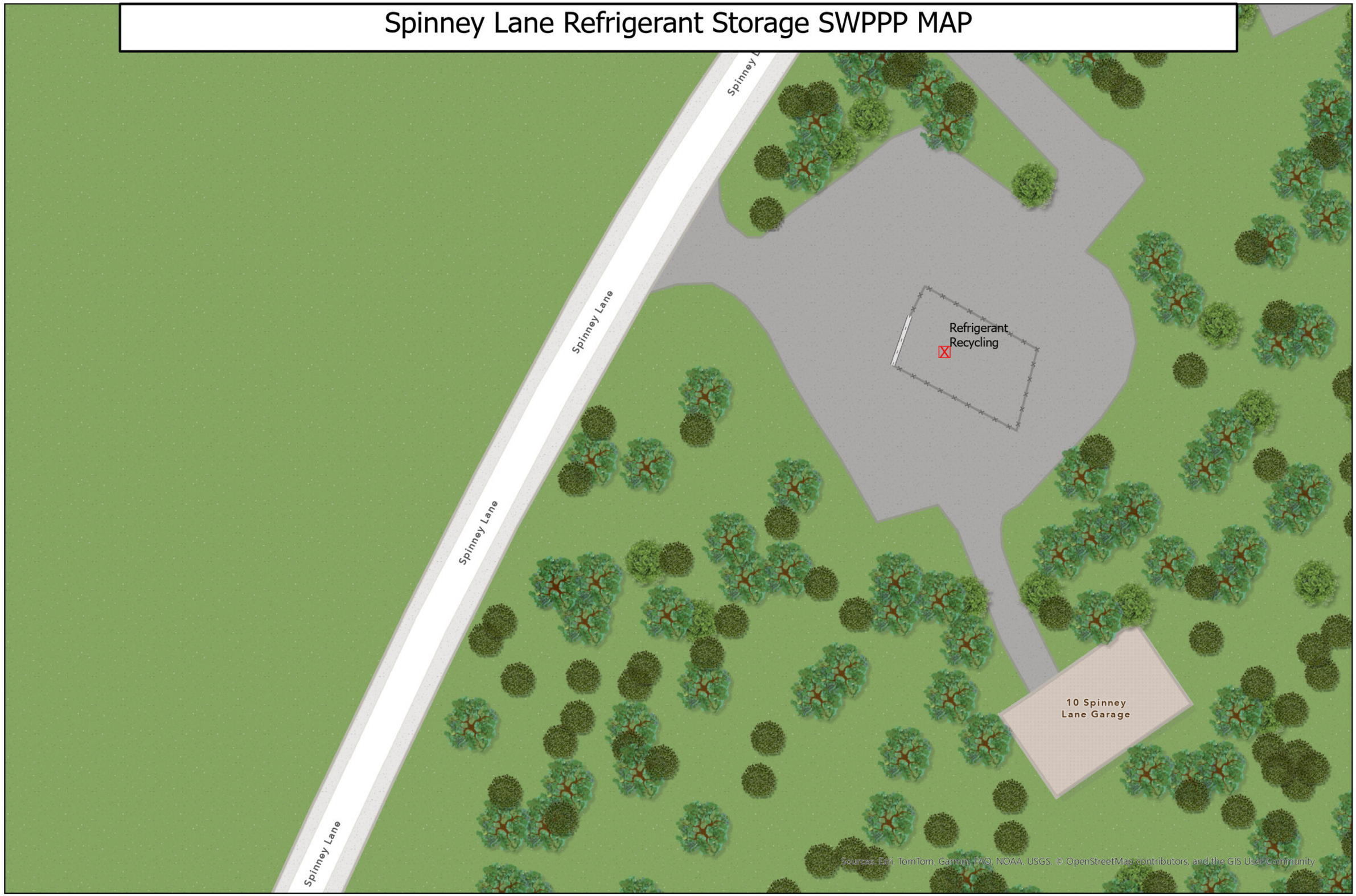
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Spinney Lane Refrigerant Storage SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire –

Stillings Hall

EPA NPDES Permit Number NHR042001

Attachment 2: Example Facility Site Inspection Form

University of New Hampshire

SUBMIT REPORT RESET FORM

UNH Facilities
SWPPP Inspection Form

Facility Name:
Facility Address:
Facility Manager: Title: Most Recent Inspection Date:
Inspector: Date: Time:
Weather Conditions: Rainfall Past 24hrs:
Active Discharge Occurring? ☐ Yes ☐ No Est. Flow:
Description of discharge:

Any newly identified discharge(s) identified during the inspection? ☐ Yes ☐ No
Description of newly identified discharge:

Control Measures functioning as described in the SWPPP? ☐ Yes ☐ No
Control Measures required maintenance or replacement? ☐ Yes ☐ No
Description of maintenance:

Have the same Control Measures failed in a previous inspection? ☐ Yes ☐ No
If yes, is Corrective Action required? ☐ Yes ☐ No
Description of Corrective Action:

Indicate if report was submitted to the following staff (required):

☐ Facility Manager ☐ Utilities Distribution ☐ EH&S

Signature: _____ Print: _____ Date: ___/___/___

Stormwater Pollution Prevention Plan
for
Stillings Hall

Facility Name: Stillings Hall

Facility Address: 20 Ballard st

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

Stillings Hall is located at 20 Ballard st. While no longer in use as a traditional dining hall it is still operational for purposes such as catering. Used oil from the kitchen is stored onsite. This location also uses large outdoor dumpsters and a curbed parking lot. There is no public access to this location.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Heating or Waste Oil Storage	Oil, fuel
2	Food Waste Processing and Handling	Composted food waste, used cooking oil
3	Employee/Resident Parking	Oil, fuel.
4	Trash and Recycling Collection	Trash, grease, food waste

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Parking areas shall be swept a minimum of twice yearly
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reducude erosion from frequent movement.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Parking areas shall be swept a minimum of twice yearly
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reducude erosion from frequent movement

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Waste oil drums stored outdoors are kept closed except for when they are actively being used.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Parking areas shall be swept a minimum of twice yearly
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reducude erosion from frequent movement

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

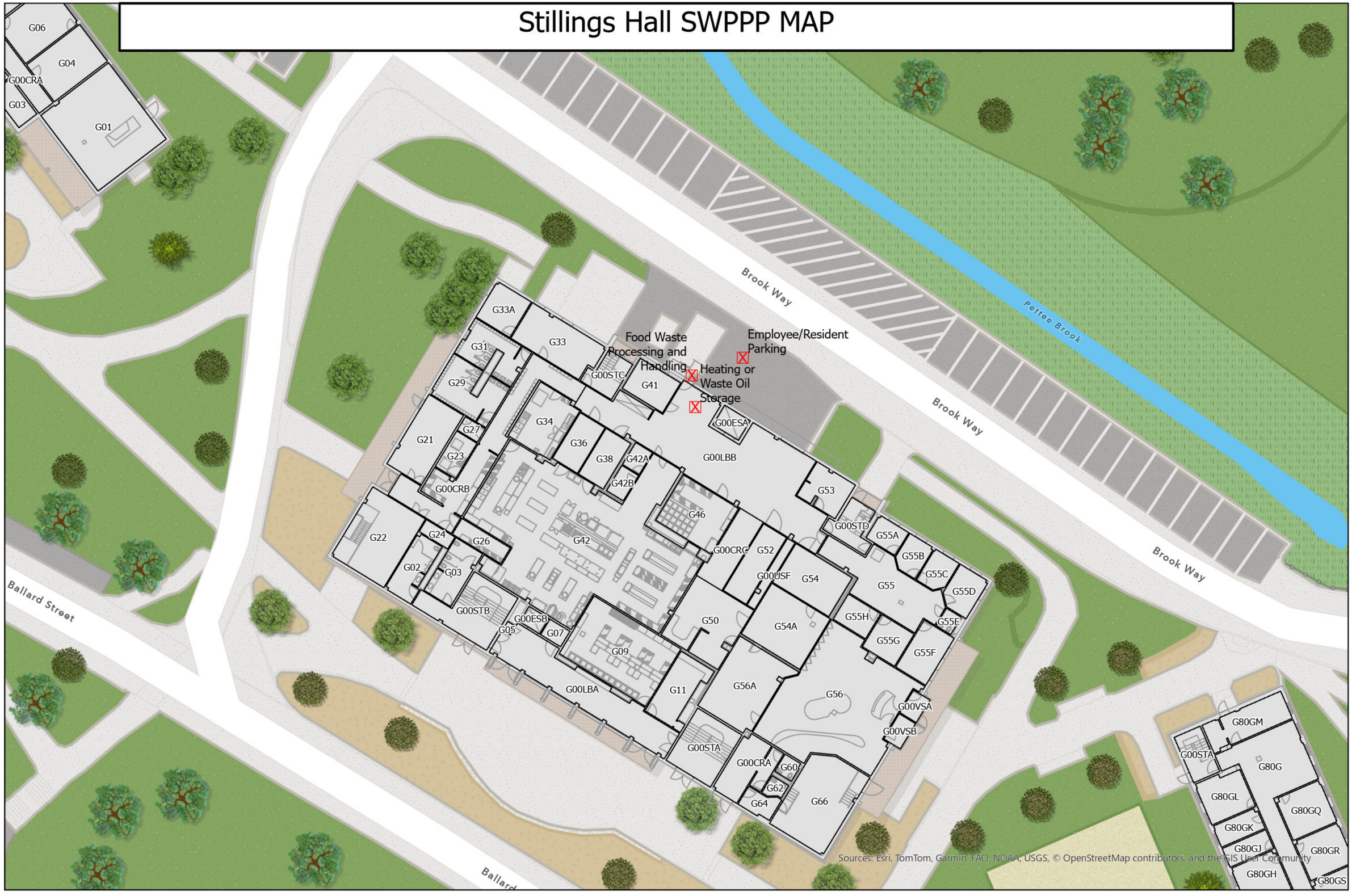
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Stillings Hall SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Transportation Garage

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Transportation Garage

Facility Name: Transportation Garage

Facility Address: 213 Main Street

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Dan Coughlin
Garage & Fleet Manager
UNH Transportation Services
603-815-2793
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Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

Transportation Garage is located at 213 Main Street. This maintenance garage is not open to the public. Inside are buses and other vehicles actively under repair. The facility stores the necessary oils, paints, and other required fluids. Inside the garage are long floor drains which go to sewer. Outside are large underground tanks for dispensing diesel, gas, and biodiesel to vehicles. There is also a large uncurbed parking lot for cars, trucks, buses, and vans.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee/resident parking	Oil, fuel
2	Waste Oil Storage	Oil
3	Vehicle and Equipment Maintenance	Grease, solvents, paint, oil, fuel
4	Vehicle and Equipment Storage	Oil, fuel
5	Trash and Recycling Collection	Trash, grease, food waste
6	Salt Storage	Chloride

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental

spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- Storage areas will be swept a minimum of twice yearly.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement
- Salt is stored on impervious surfaces under cover
- Any material spilled during loading or unloading is promptly cleaned up.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- Storage areas will be swept a minimum of twice yearly.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement
- Salt is stored on impervious surfaces under cover
- Any material spilled during loading or unloading is promptly cleaned up

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.

- Parking areas shall be swept a minimum of twice yearly
- Oil shall be stored with containment
- Drums shall be inspected for rust or leakage once per quarter
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Underground storage tank fillings areas are inspected regularly for indications of any spills.
- Drip pans are used when changing fluids, spigots/funnels are used to help minimize incidental spills.
- Leaking vehicles needing repair shall be stored indoors
- Vehicle maintenance will occur indoors where practicable
- Storage areas will be swept a minimum of twice yearly.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduce erosion from frequent movement
- Salt is stored on impervious surfaces under cover
- Any material spilled during loading or unloading is promptly cleaned up

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility has covered salt buckets.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

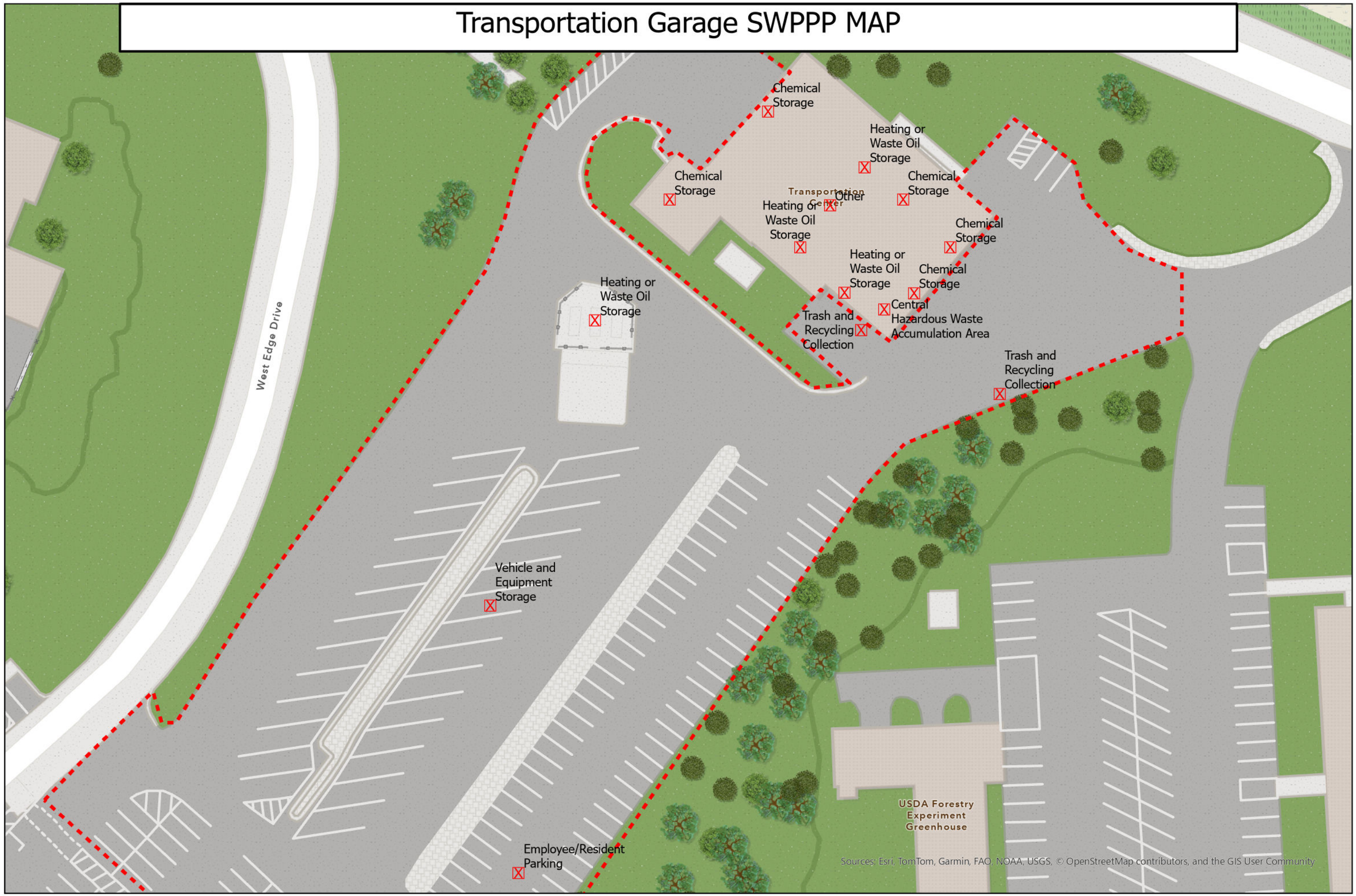
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Transportation Garage SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Whittemore Center

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Whittemore Center

Facility Name: Whittemore Center

Facility Address: 128 Main Street

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

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Karrie.Meyer@unh.edu

Section 3: Site Description

Whittemore Center is located at 128 Main Street. This large athletic facility hosts a pool, field, gym equipment, and ice hockey stadium. The field and gym are open to the public, and the rink is open during games. There are also equipment and mechanical rooms not open to the public. There is a curbed parking area with room for 20 cars. There are also dumpsters at this location.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Employee/Resident Parking	Oil, Fuel
2	Line Striping Operations	Paint, Solvents
3	Pool Maintenance	Chemicals, chlorinated water releases
4	Trash and Recycling Collection	Trash, grease, food waste
5	Vehicle and Equipment Storage	Oil, Fuel, grease, ammonia
6	Bulk Material Storage and Handling	Sediment, chloride, oil, grease, fuel, ammonia

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Chemical storage shall have secondary containment.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- All loose material that can be transported by runoff shall be contained and/or covered to prevent runoff from storage areas reaching drains or waterbodies

- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Storage areas will be swept a minimum of twice yearly.
- Annual “ice-out” to remove and melt arena ice must follow EH+S SOP.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Chemical storage shall have secondary containment.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- All loose material that can be transported by runoff shall be contained and/or covered to prevent runoff from storage areas reaching drains or waterbodies
- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Storage areas will be swept a minimum of twice yearly.
- Annual “ice-out” to remove and melt arena ice must follow EH+S SOP.

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Spill response kits are located near storage areas with contact information for incident reporting.
- Spillage of chemicals or sewage will be promptly cleaned and reported as required.
- All substances requiring secondary containment will be handled as such.
- Parking areas shall be swept a minimum of twice yearly
- Loading and unloading sites shall be swept twice annually, all containers covered and contained.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Chemical storage shall have secondary containment.
- Tank filling areas are inspected regularly for signs of leaks
- SOP's are in place to ensure highly chlorinated pool water is not discharged to the MS4
- All loose material that can be transported by runoff shall be contained and/or covered to prevent runoff from storage areas reaching drains or waterbodies

- Trash and recycling operations will occur while minimizing exposure to stormwater runoff.
- Dumpsters are emptied once per week at minimum to avoid overfilled dumpsters.
- Dumpsters are placed on concrete pads to reduced erosion from frequent movement
- Storage areas will be swept a minimum of twice yearly.
- Annual "ice-out" to remove and melt arena ice must follow EH+S SOP.

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;
- **Underground storage tank filling areas are inspected regularly for signs of spills [if relevant].**

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.
- Annual "ice-out" to remove and melt arena ice, must follow EH+S SOP.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Wildcat Stadium

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Wildcat Stadium

Facility Name: Wildcat Stadium

Facility Address: 145 Main Street Durham, NH 03824

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Facilities Control Center
603-862-1437
facilities.control.center@unh.edu

Karrie Meyer
Environmental Compliance Manager
UNH Facilities – Environmental Health and Safety
(207)-459-6120
Karrie.Meyer@unh.edu

Section 3: Site Description

University of New Hampshire's Wildcat Stadium is located at 145 Main Street Durham, NH. The stadium hosts University athletics events and practices on its single field and can host 11, 015 visitors. The stadium facility includes an operations/maintenance area under the bleachers with several mechanical rooms, paint storage, a gated equipment yard, an employee and visitor parking facility, a dumpster/recycling drop off area, and a staging yard for athletic equipment. The facility is mostly open to the public except for maintenance areas.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Equipment Washing and Maintenance	Surfactants, detergents, cleaning chemicals
2	Paint storage and line marking	Paint, solvents.
3	Trash/Recycling Collection	Trash and debris
4	Employee/Resident Parking	Oil, sediment

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Equipment will be washed using indoor facilities, and wash water shall be collected and discharged to the sewer system instead of entering the stormwater drainage system;
- Equipment maintenance and fluid changing will occur in covered facilities;
- Best practices for spill prevention/response, runoff management, and other key topics will be discussed later in this document.

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Used antifreeze is kept in a covered container;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- Drip pans are used when changing fluids, and spigots/funnels are used to minimize drips/leaks;
- All substances requiring secondary containment will be handled as such;
- Paint is not stored where it can enter drains.
- Outdoor storage areas will be regularly swept and kept free of leaking or damaged containers.

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- Hydraulic equipment is kept in good repair to minimize leaks;
- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;

Section 4.5: Erosion and Sediment Control

There are no potential areas for erosion on this site.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Drainage outfalls discharge to riprap pads
- Runoff from the site goes to a bioretention SCM prior to being discharged to College Brook.
- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Municipal attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

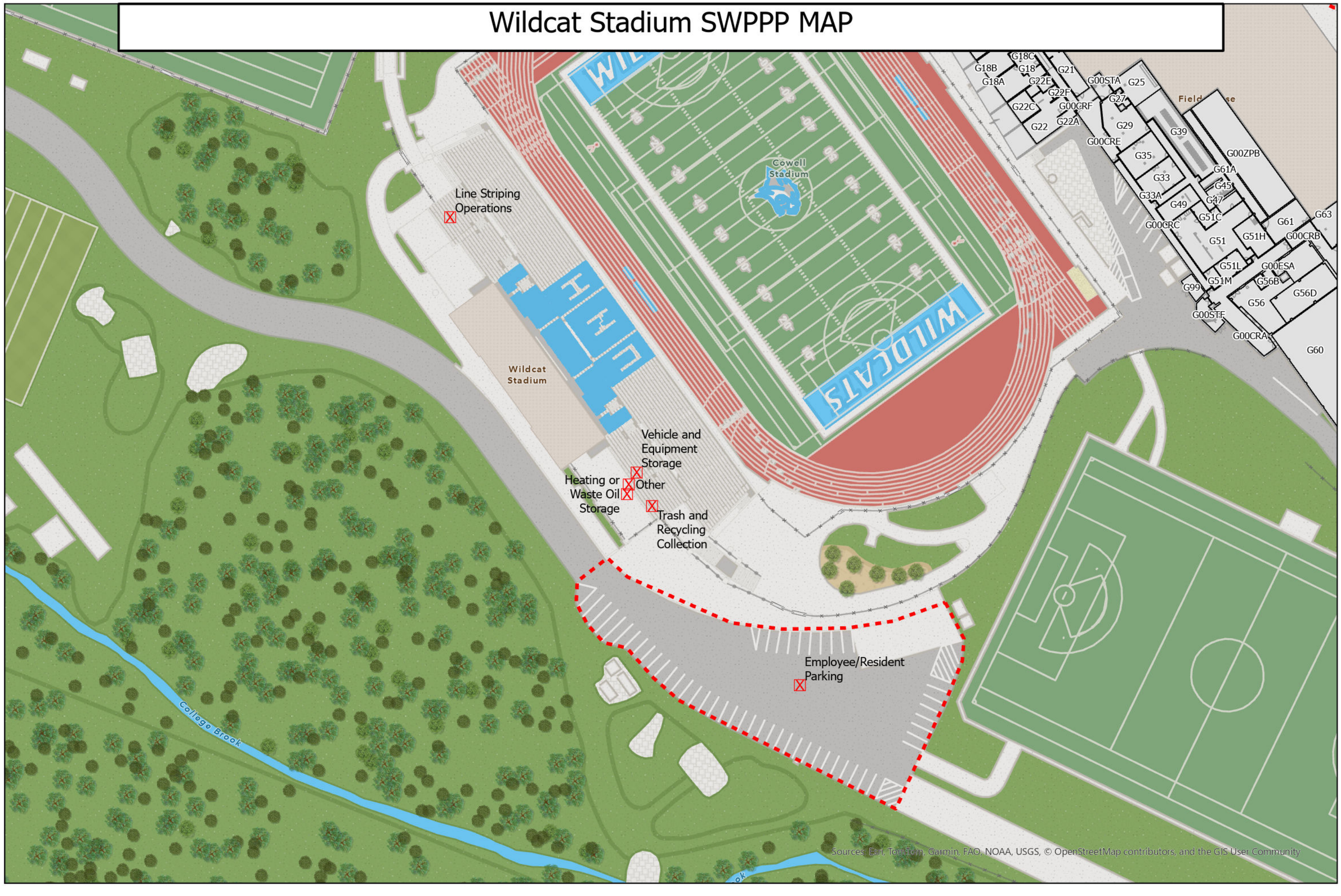
University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Wildcat Stadium SWPPP MAP



Stormwater Pollution Prevention Plan (SWPPP) for:

University of New Hampshire – Woodman Farm

EPA NPDES Permit Number NHR042001

Stormwater Pollution Prevention Plan
for
Woodman Farm

Facility Name: Woodman Farm

Facility Address: 70 Spinney Ln

Section 1: Stormwater Pollution Prevention Plan Overview

This Stormwater Pollution Prevention Plan (SWPP) does the following:

- Identifies the SWPPP team, by name and title
- Describes the facility, with information on location and activities, a site map, and a description of the stormwater drainage system;
- Identifies potential stormwater contaminants;
- Describes stormwater management control and best management practices (BMPs) needed to reduce pollutants in stormwater discharges; and
- Describes the facility's monitoring plan;

Section 2: Stormwater Management Program Team

Stormwater Program Coordinator:

William Powers
Utilities Distribution Superintendent
UNH Facilities – Energy and Utilities
603-815-2257
will.powers@unh.edu

SWMP Team:

Evan Ford
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Karrie Meyer
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Section 3: Site Description

Woodman Farm is located at 70 Spinney Ln. Located near the edge of campus this farm serves as a research facility where new agricultural growing methods are employed. Only plants are grown here, there is no livestock. There are a few buildings and a barn to hold the needed equipment, one room holds paint and oil and other chemicals to keep the equipment running. There is a small dirt parking lot and the farm is open to visitors from the public during the week.

A map of the facility is included as Attachment 1 of this SWPPP. The map identifies key buildings and sites, the location of all known floor drains that tie into the stormwater drainage system, stormwater outfalls, and their receiving waters.

Table 3-1 includes a list of activities that occur at the facility and the potential pollutants that may be associated with each activity.

Activity #	Description	Potential Pollutants
1	Equipment storage	Oil, grease, fuel
2	Chemical storage	Paint, oil, etc.
3	External oil tank	Oil, fuel

Table 3-1: Facility activity list and potential pollutants associated with each activity.

Section 4: Implementation

This section describes practices that are in place or that will be implemented to control pollutants that have the potential to contaminate stormwater. The following sub-sections describe the relevant management practices that will be implemented as identified in Section 2.3.7.2 (iv) in the MS4 permit. Unless otherwise stated, all measures will be implemented to be consistent with the schedule required in the MS4 permit, or no later than the end of year 5 of the permit if not otherwise described.

Section 4.1: Minimize or Prevent Exposure

The following site-specific practices will be implemented to minimize or prevent exposure of pollutants to stormwater runoff:

- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Storage areas will be swept a minimum of twice yearly.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Oil shall be stored with containment

Section 4.2: Good Housekeeping

The following list describes good housekeeping practices followed at this facility:

- The facility shall be swept at least twice annually, or more as-needed, to minimize sediment and associated pollutants from entering the stormwater drainage system;
- Spillage of chemicals or sewage will be promptly cleaned and reported as required;
- All substances requiring secondary containment will be handled as such;
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Storage areas will be swept a minimum of twice yearly.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Oil shall be stored with containment

Section 4.3: Preventative Maintenance

The following is a list of preventative maintenance procedures practiced at this facility:

- All materials, waste storage areas, drains, tanks, and cans are properly labeled.
- Parking areas are swept twice annually, catch basins are cleaned at a frequency that ensures sumps are never 50% full or greater.
- Paint and solvents shall be stored indoors where they cannot come into contact with drains.
- Storage areas will be swept a minimum of twice yearly.
- Above ground tanks and emergency generators shall be inspected for rust or leakage once per quarter
- Oil shall be stored with containment

Section 4.4: Spill Prevention and Response

The following is a list of spill prevention and response procedures practiced at this facility:

- This facility has a written spill prevention and response policy that is consistent with the MS4 requirements described in Section 2.3.7.2 (iv);
- Spills will be contained as close to the source as possible with a dike of absorbent materials from the emergency spill kit, and a cover or dike will protect any catch basins or other stormwater intake structures;
- The assigned spill response team leader will be advised immediately of all hazardous or regulated material spills, regardless of quantity;
- All spills will be evaluated to determine the necessary response;
- Staff are aware of spill prevention and response procedures;
- Spill response equipment is located at potential spill areas;
- Outdoor drum and storage tank containment areas are checked for leaks;
- Above ground storage tanks are inspected regularly for signs of corrosion or leaks;

Section 4.5: Erosion and Sediment Control

Dirt parking lot with the potential to erode has stabilized rip-rap entrance to reduce runoff onto impervious roadway. Condition will be assessed during quarterly inspections and maintained as needed.

Section 4.6: Management of Runoff

The following management practices for runoff are used at this facility:

- Impervious areas are uncurbed where practical to encourage sheet flow runoff to vegetated areas
- Parking areas are swept twice annually

Section 4.7: Salt Storage Piles

This facility does not store or load/unload salt.

Salt storage and application is centrally managed by the UNH Grounds and Events department at the public works yard located at 25 Waterworks Rd Durham, NH.

Section 4.8: Employee Training

Key staff will be regularly trained on stormwater related topics such as spill response and cleanup procedures, IDDE identification and proper reporting, as well as other key topics. Please refer to University of New Hampshire's Stormwater Management Plan (SWMP) for additional details on employee training.

University of New Hampshire will retain records on employee training including:

- The training date, title, and duration;
- Staff attendee list;
- Subjects covered during training.

Section 4.9: Maintenance of Control Measures

The following is a list of stormwater control measure maintenance procedures practiced at this facility:

- All control measures required by this document will be maintained in effective operating condition;
- This SWPPP will be supplemented by on-site documentation describing maintenance procedures and a schedule outlining preventative maintenance of all control measures;
- University of New Hampshire will work to develop backup procedures and practices in case a runoff event occurs while a control measure is offline.

Section 5.0: Inspection and Record Keeping

Section 5.1: Site Inspections

University of New Hampshire will conduct quarterly (Jan-Mar, Apr-Jun, Jul-Sep, Oct-Dec) inspections of the facility that will cover all areas exposed to stormwater, and all stormwater control measures. At least one of the inspections during a period when stormwater discharge is occurring. Additional inspections will occur on an as-needed basis if significant activities are exposed to stormwater. The inspections will contain the information included in Attachment 2, an example site inspection form.

If control measures are discovered to need repair or be ineffective, whether as part of a routine inspection or otherwise, University of New Hampshire will repair or replace them as soon as practicable, and preferably before the next storm event.

Section 5.2: Record Keeping

University of New Hampshire will maintain records of all maintenance, inspection, training, and other activities required by Section 2.3.7.2 of the MS4 permit. Records will be maintained for at least five (5) years, as required by Section 4.2.1 of the MS4 Permit.

Woodman Farm SWPPP MAP

