



**STORMWATER  
MANAGEMENT  
PROGRAM**

**FOR  
VTRANS MS4  
SMALL MUNICIPAL SEPARATE STORM SEWER  
SYSTEM**

**VERMONT AGENCY OF TRANSPORTATION**

**SWMP Established June 3, 2013**

**VTRANS STORMWATER MANAGEMENT PROGRAM  
(SWMP)**

# VERMONT AGENCY OF TRANSPORTATION STORMWATER MANAGEMENT PROGRAM

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# VERMONT AGENCY OF TRANSPORTATION STORMWATER MANAGEMENT PROGRAM

Established June 3, 2013

## Introduction & Background

As part of the VERMONT AGENCY OF TRANSPORTATION'S (VTrans) Notice of Intent for coverage under General Permit 3-9014, issued on December 5, 2012 (the Permit), National Pollutant Discharge Elimination System (NPDES) Number VTR040000, for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s), the VTrans Stormwater Management Plan (SWMP) was established on June 3, 2013 and covers permit years 2013 through 2018.

VTrans has been designated as an operator of a non-traditional Municipal Separate Storm Sewer System (MS4) under the Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems administered by the VANR. The Permit is issued in accordance with the following state and federal laws and rules: the Vermont Water Pollution Control statute, 10 V.S.A. Chapter 47, including §§ 1259, 1263, and 1264; the Vermont Water Pollution Control Rules, Chapter 13, including the rule governing general permits in Section 13.12; the federal Clean Water Act, as amended, 33 U.S.C.A. 1251 et seq., including 33 U.S.C.A. 1342(p); and the regulations of the federal Environmental Protection Agency including 40 CAR 122.26, 40 CAR 122.28 and 40 I.E. 122.30 to 122.37.

VTrans is required to comply with the conditions of the Permit on State Highways, other transportation facilities, and VTrans maintenance facilities that are located in the 2000 Census Urbanized Areas (UAs) and in the watersheds of waters that are principally impaired by collected stormwater runoff.

The VTrans MS4, which is regulated by the Permit, is approximately two (2) square miles. The area includes approximately 102 miles of State Highway and one Maintenance Garage located within the UAs and the associated impaired waters. Please refer to the attached map for a display of the VTrans MS4 (Figure 1).

This document defines the SWMP for VTrans as required in Section 2 of the Permit. The SWMP will advance and evolve through the term of the Permit, under the direction of the VTrans Stormwater Steering Committee. VTrans will coordinate the implementation of the VTrans SWMP with the related activities of all other MS4s in Vermont.

VTrans is committed to the full implementation and enforcement of the SWMP which has been designed to reduce the discharge of pollutants from the VTrans non-traditional small MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act. The Permit states that the implementation of best management practices consistent with the provisions of the SWMP required pursuant to this permit constitutes compliance with the standard of reducing pollutants to the "maximum extent practicable".

VTrans is committed to stewardship of the natural and cultural resources of the State of Vermont. This commitment is reflected in the VTrans Mission Statement where it is stated that: "The Agency's Mission is to maintain a transportation system that allows for the safe movement of people and goods in a cost-effective, environmentally sensitive and timely manner". The VTrans Policy Manual reflects the Agency's commitment to environmental quality as noted under Policy #8021 which establishes the Environmental Stewardship Ethic for VTrans. It is under this Policy where the ethic statement to recognize environmental quality is guided by principles and practices that are applied to all of the Agency's business practices. Under this Policy VTrans aims to be a positive force in supporting the state's environmental quality, while subject to our responsibilities to make judgments and decisions based on numerous factors including cost, safety, and resource availability.

## **Stormwater Discharges**

The 2012 MS4 permit authorizes stormwater discharges to waters of the State and waters of the United States from the small MS4s. The following discharges are eligible for authorization under this general permit:

- Water line flushing
- Landscape irrigation
- Diverted stream flows
- Rising ground waters
- Uncontaminated ground water
- Uncontaminated pumped ground water
- Discharges from potable water sources
- Foundation drains
- Air conditioning condensate
- Irrigation water
- Springs
- Water from crawl space pumps
- Footing drains
- Lawn watering
- Flows from riparian habitats and wetlands, and
- Discharges from fire fighting activities.

Discharges from Bridge and Vehicle Washing are not authorized under this permit, to address these discharges the Agency will follow the VTrans Bridge Washing BMP and ANRs Vehicle Washing Policy (see appendix C). Any other discharge to the Agency's MS4 that is not authorized under this permit will be treated as illicit discharges and dealt with according to the requirements of this permit.

## Discharges Requirements

*Impaired waters are those waters that the Secretary has identified pursuant to Section 303(d) of the Clean Water Act as not meeting the Vermont Water Quality Standards. Impaired waters encompass both those with approved Total Maximum Daily Loads (TMDLs), and those for which TMDL development has been identified as necessary, but for which a TMDL has not yet been approved by the Secretary or EPA. Stormwater impaired waters include those waters that the Secretary has listed as impaired primarily due to stormwater runoff on the EPA-approved State of Vermont 303(d) List of Waters.*

For the complete list of VTrans MS4 Receiving water refer to Figure 2.

## Stormwater Impaired Waters

*The permittee shall develop and submit a comprehensive Flow Restoration Plan (FRP) for the portion of each stormwater- impaired watershed within the permittee's boundaries. Permittees that discharge into the same stormwater- impaired watershed may elect to cooperate to develop a single FRP for the watershed. The FRP shall be submitted to the Secretary **no later than three years after the date of issuance of an authorization to discharge to the permittee under this general permit.** The FRP shall contain the following elements:*

VTrans has infrastructure in 11 of the 12 stormwater impaired waters; Allen, Bartlett, Centennial, Englesby, Indian, Moon, Munroe, Potash, Rugg, Stevens, and Sunderland Brooks. VTrans will work cooperatively with the other MS4s in each watershed wherever possible to define allocation of TMDL targets and develop the Flow Restoration Plans no later than 3 years and will report on the progress following the schedule as put forth by the Secretary. Once developed, each approved FRP will be included in the SWMP as an appendix.

## Technical Assistance for Low Impact Best Management Practices

*Commencing two years after the issuance of an authorization or designation as a regulated small MS4, the permittee shall develop a program to identify opportunities for and provide technical assistance to landowners in the implementation by landowners of low impact BMPs such as maximizing disconnection, maximizing infiltration of stormwater runoff, preventing and eliminating soil erosion, and preventing and eliminating the delivery of pollutants to stormwater conveyances.*

VTrans does not have landowners within its jurisdictional boundaries and therefore does not need to comply (see page 22 of the response to comments for the draft MS4 permit):

“26d. (IV.C.1.e.4) Is this intended for municipalities with landowners within their MS4 jurisdiction. What does this mean for non-traditional MS4’s with no landowners within its jurisdictional boundaries? (VTrans)

Response: If a permittee has no landowners within its boundaries, then it would not apply.”

However, in an attempt to fulfill the intent of the requirement, VTrans will develop an educational brochure focusing on low impact BMPs along with the hazards of illicit discharges. This brochure will be handed out with appropriate Title 19, Section 1111 permits and will be available on our website. (MM#3)

### **Stream Corridor Protection**

*Commencing two years after the issuance of an authorization, the permittee shall prepare and submit to the Agency a report on legal authorities or strategies that the permittee has adopted to protect and regulate development in the stream corridors of stormwater impaired waters. The report will include a section on enhanced protection of stream corridors of stormwater impaired waters*

Within two years of receiving authorization under the 2012 MS4 permit the Agency will develop and submit a report to ANR regarding the protection and regulation of development in stream corridors, the SWMP will be updated to include this report.

### **Stream Flow Monitoring**

*The permittee shall implement, or otherwise fund, a flow and precipitation monitoring program, subject to approval by the Secretary, in its respective stormwater impaired watersheds. A nontraditional MS4, at a minimum, may cost share in the O&M cost of the gage(s) for each watershed into which it discharges.*

This section is reserved for a description of the flow monitoring plan required by section IV.C.1(e)(7) of the 2012 MS4 permit. The 2012 MS4 permit requires that the Agency, at a minimum, cost share in the O&M cost of the gages(s) for each watershed into which it discharges. The SWMP will be amended to include this information once it is approved by the Vermont ANR.

## **Requirements to Reduce Pollutants to the Maximum Extent Practicable - “The Six Minimum Measures”**

*A permittee shall develop, implement, and enforce a Stormwater Management Program (SWMP) designed to reduce the discharge of pollutants from the small MS4 to the maximum extent practicable (MEP), to protect water quality, and to*

*satisfy the appropriate water quality requirements of the Clean Water Act. For purposes of the permit, narrative effluent limitations requiring implementation of best management practices (BMPs) are the most appropriate form of effluent limitations when designed to satisfy technology requirements (including reductions of pollutants to the maximum extent practicable) and to protect water quality. Implementation of best management practices for purposes of the six minimum measures consistent with the provisions of the SWMP constitutes compliance with the standard of reducing pollutants to the "maximum extent practicable".*

The six minimum measures include:

1. Public Education and Outreach
2. Public Participation/Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff Control
6. Pollution Prevention/Good Housekeeping

## **1. Public Education and Outreach on Stormwater Impacts**

*A permittee must implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies.*

For the purpose of this permit VTrans will utilize the definition of “public” found in the New Hampshire MS4 which states “the audiences for a Non-traditional MS4 include the employees, clients and customers (including students at education MS4s) or visitors to the property, and any contractors working at the facility where the MS4 is located.” To meet this requirement VTrans will:

- Maintain a web site with locally relevant stormwater management information and promote its existence and use.
- Participate in the regional stormwater education and outreach strategy described in the March 10, 2008 memorandum of agreement between designated small MS4s, the Chittenden County Regional Planning Commission and the Vermont Agency of Natural Resources. See appendix A.
  - Measurable Goal: VTrans will participate in the Regional Stormwater Education Program (RSEP) and will report accomplishments annually.

## **2. Public Involvement/ Participation**

*The permittee must implement a public involvement/ participation program, which at a minimum, complies with State and local public notice requirement.*

For the purpose of this permit VTrans will utilize the definition of “public” found in the New Hampshire MS4 which states “the audiences for a Non-traditional MS4 include the employees, clients and customers (including students at education MS4s) or visitors to the property, and any contractors working at the facility where the MS4 is located.” To meet this requirement VTrans will:

In Chittenden County MS4 area:

- Participate in the regional stormwater public involvement and participation program described in the May 1, 2011 memorandum of understanding between the designated small MS4s and the Chittenden County Regional Planning Commission. See Appendix B.
  - Measurable Goal: VTrans will participate in the Chittenden County Stream Team program and will report accomplishments annually.

In Moon, Stevens, and Rugg Brooks:

- Establish or support a water quality monitoring program involving citizen volunteers.

Measurable Goal: VTrans will establish a partnership with a citizen water quality monitoring program in first year and report accomplishments annually.

- Institute an on-going public workshop series on stormwater awareness. VTrans will develop and put on workshops for employees.
  - Measurable Goal: VTrans will report on the number, attendance and, title of trainings provided.
- Establish and support a citizen “stormwater watch” group. VTrans will develop a web page for citizens to report alleged stormwater concerns, such as erosion, illegal dumping, hazmat spills, unauthorized non-stormwater discharges, etc.
  - Measureable Goals: VTrans will report on the number and the nature of the reports that are submitted annually.

### **3. Illicit Discharge Detection and Elimination**

*A permittee must develop, implement and enforce a program to detect and eliminate illicit discharges (as defined in 40 CFR § 122.26(b) (2)) into its small MS4, if it has not already done so.*

To meet this requirement VTrans will:

- Develop and maintain a storm sewer geographic information systems (GIS) map of the small MS4, showing the location of all outfalls and the names and location of all waters of the State and waters of the United States that receive discharges from those outfalls. In the first year of the permit, VTrans will map infrastructure within the Rugg and Stevens Brook Watersheds. VTrans will update the mapping already completed for the Moon Brook Watershed as well as the Chittenden County area in years 2 and 3 of the permit term.

- Measurable Goals: VTrans will report annually on progress and accomplishments.
- VTrans has an existing program that issues permits for residential and commercial driveway access to the State Rights-of-Way (ROW). VTrans also issues permits for non-VTrans projects within the ROW. The program includes review of proposals for open and/or closed connection to the VTrans MS4 from residential and commercial property owners. To the extent allowable under State or local law, VTrans uses this Section 1111 Permitting authority to effectively prohibit non-stormwater discharges into the VTrans MS4 storm sewer system and implement appropriate enforcement procedures and actions to satisfy the terms of the Permit. This is implemented through the imposition of Special Conditions (put in place in 2007) under its Title 19, Section 1111 Permitting Authority on all identified proposed and existing connections to the VTrans MS4 stormwater system. VTrans will adopt an illegal connection illicit discharge policy to enhance title 19 authorization in year two.
  - Measurable Goals: VTrans will report annually on a summary update of these efforts.
- Develop and implement a plan to detect and address non- stormwater discharges, with emphasis on outfalls in the stormwater impaired watershed(s) and random illegal dumping to the system, such as the dumping of RV wastes, used oil, paint, etc. VTrans completed testing of outfalls for illicit discharges in Chittenden County in 2006. VTrans will complete testing of outfalls in the Moon, Rugg and Stevens Brooks following completion of the mapping in those watersheds.
  - Measurable Goals: VTrans will report annually on progress and accomplishments including the number of illicit discharges encountered each year.
- Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste. VTrans will develop an informational flyer to give to 1111 permit holders that discusses these hazards
  - Measurable Goals: VTrans will report annually on the number of permits issued in the MS4 area.
- VTrans Hazmat Coordinators conduct Spill Prevention Control Countermeasure Plans (SPCCPs) trainings and inspections annually and as needed. Additionally, they monitor and conduct hazmate spill response and illegal dumping.
  - Measurable Goals: VTrans will provide the Secretary with an annual status report of monitoring activities conducted and corrective actions taken.

#### **4. Construction Site Stormwater Runoff Control**

*Pursuant to federal regulations at 40 C.F.R. 122.34(b)(4) the permittee must to the extent allowable under state or local law develop, if it has not already done so, and enforce a program to reduce pollutants in any stormwater runoff to the*

*small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre.*

To meet this requirement VTrans will:

- Develop and implement procedures to assure that construction activities undertaken by VTrans are properly permitted and implemented in accordance with the terms of the construction permit. VTrans will comply, or will require others working in our right-of-way under a Section 1111 Permit to comply, with ANR issued General Permit 3-9020 (2008) and/or Individual Permit regulating stormwater runoff from construction sites which result in land disturbance equal to or greater than one acres of land.
  - Measurable Goals: VTrans will report annually a list of projects in the MS4 with Construction General Permit and/or Individual Permit Coverage.
  
- Vtrans will review existing policies to determine their effectiveness in managing construction-related erosion and sediment. The policies will also be reviewed for their consistency with the requirements of the Secretary's general permits for stormwater runoff from large and small construction sites and construction erosion guidelines for low impact development. In 2002 VTrans developed an "Environmental Field Handbook for Culvert and Ditching Procedures". This Handbook is based on field application of the VTrans Statewide Culvert and Ditching Procedures that have been in effect since 1997. The Culvert and Ditching Procedures were developed with participation from the ANR, US Army Corps of Engineer, US Environmental Protection Agency, US Fish and Wildlife Service, and the Federal Highway Administration. The VTrans EPSC Protocol was developed in late Fall 2006 and sets guidelines for Consultants, VTrans Designers, VTrans Construction Management Staff and District field staff for creating and implementing consistent Erosion Prevention and Sediment Control Plans that meet the requirements of the New CGP 3-9020 and for those projects disturbing less than 1 acre with any potential to impact resources. The guidelines include EPSC Plan Checklists, flowcharts, detail drawings, specifications and general guidance; all of which are posted on the VTrans Environmental Webpage. VTrans will review and update as needed the Culvert and Ditching Procedures and the EPSC Protocol.
  - Measurable Goals: VTrans will report annually a summary update of actions taken and changes to standards, procedures, and guidance documents.
  
- Develop and implement an erosion control policy which, at a minimum, regulates development activities not subject to state or federal erosion control requirements. The VTrans EPSC Protocol was developed in late Fall 2006 and sets guidelines for Consultants, VTrans Designers, VTrans Construction Management Staff and District field staff for creating and implementing consistent Erosion Prevention and Sediment Control Plans that meet the requirements of the New CGP 3-9020 and for those projects disturbing less than 1 acre with any potential to impact resources. The guidelines include EPSC Plan Checklists, flowcharts, detail drawings, specifications and general guidance; all of which are posted on the VTrans

Environmental Webpage.

- Measurable Goals: VTrans will report annually a list of projects in the MS4 that are non-jurisdictional but fall under the VTrans EPSC Protocol.
- VTrans will conduct Erosion Prevention and Sediment Control Assurance Visits. The primary purpose of Erosion Prevention and Sediment Control Assurance Visits is to ensure that VTrans protects natural resources and complies with state and federal regulations through implementation of project Erosion Prevention and Sediment Control Plans and compliance with environmental permit conditions. The VTrans Construction Engineers will visit VTrans contracted construction projects to provide input, training, support, and resources relative to erosion prevention and sediment control.
  - Measurable Goals: VTrans will report annually the number of construction sites visited within the MS4.
- VTrans will conduct and attend Stormwater Management - Erosion Prevention & Sediment Control Training. VTrans offers a broad range of formal training on erosion and sediment control and stormwater management design to agency staff. These training classes are instructed by VTrans and non-VTrans subject experts from around the country. More classes are scheduled for 2013–2018 Permit Term. When space allows the training classes are open to employees of ANR, the Federal Highway Administration, the U.S. Department of Agriculture Natural Resources Conservation Service, and consulting companies. VTrans also provides an extensive amount of annual erosion and sediment control training to maintenance and construction employees through internal training meetings. VTrans staff is encouraged to seek training opportunities outside the agency. Additionally, each year VTrans provides a one-day training workshop for construction contractors that included a session on erosion and sediment control and compliance with regulations. Annual training for Maintenance District personnel training includes a session on stormwater management, erosion and sediment control, and compliance with regulations governing these activities.
  - Measurable Goals: VTrans will report annually on class titles, attendance, target audience and, number of trainings.

## **5. Post-Construction Stormwater Management for New Development and Redevelopment**

*Pursuant to 40 C.F.R 122.34(b)(5) a permittee must develop, if it has not already done so, implement, and to the extent allowable under State or local law, enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the small MS4. The program must ensure that controls are in place that would prevent or minimize water quality impacts.*

- VTrans will review existing policies to determine their effectiveness in managing stormwater runoff that discharges from new development and redevelopment projects to prevent adverse impacts to water quality as well as their consistency with the requirements of the Secretary's rules and general permits regulating post-construction stormwater runoff.
  - Measurable Goals: VTrans will report annually a list of projects in the MS4 with VT ANR Operational Permit coverage.
  - Measurable Goals: list of Vtrans State Operational permits inspected in MS4.
  
- VTrans will assess whether changes can be made to its process and policies in order to support low impact design options whether changes can be made to current street design and parking lot guidelines and other local requirements that affect the creation of impervious surfaces to support low impact design options. Governor Shumlin, in March of 2012, signed an Executive Order which established an Interagency Green Stormwater Infrastructure Council. The Council includes the Secretaries (or delegates) of the Agency of Natural Resources, Agency of Transportation, Agency of Commerce and Community Development, and the Commissioner of the Department of Buildings and General Services or their designees. The main responsibilities of the council include, but are not limited to:
  1. Identifying opportunities for the integration of green stormwater infrastructure systems and practices into existing state programs.
  2. Initiating a process for the development of a technical guidance for implementation of green stormwater infrastructure systems and practices.
  3. Establishing a plan and timeframe for the implementation of green stormwater infrastructure systems and practices associated with state properties and state constructed sites.
  4. Identifying state liaisons to support green stormwater infrastructure implementation within their agencies.
  5. Identifying and undertaking green stormwater infrastructure research and monitoring studies.
  6. Identifying on-going and sustainable funding sources to support regional planning, coordination, and implementation efforts.

In conjunction with the above, members of the Council are also responsible for the development of *Green Stormwater Infrastructure (GSI) Implementation Work Plans*. The purpose of the work plans is to highlight current initiatives, identify barriers to the implementation of green infrastructure practices, and set a direction for the promotion and adoption of green stormwater infrastructure in the years ahead.

- Measurable Goals: VTrans will report annually on the development and implementation of the GSI work plans.
  
- VTrans has developed an internal procedure to address the permit jurisdictional threshold gap between the VTANR GP-3-9015 jurisdictional thresholds and the EPA one acre of land disturbance permit threshold. The goal of this internal procedure is to protect water quality by designing post-construction stormwater management systems on all new and

redeveloped VTrans projects in the VTrans MS4 to comply with the Vermont Stormwater Management Manual to the extent that is practical.

- Measurable Goals: VTrans will report annually a list of projects that complied with a VT ANR Operational Permit or that followed the internal VTrans procedure for projects not subject to these permits.
- VTrans will develop and implement an asset management tool that will ensure adequate inspections and long-term operation and maintenance of Best Management Practices. Permit term years 1 and 2 will focus on the development of the tool with the anticipation of implementing it in year 3.
  - Measurable Goals: VTrans will report annually on the development and implementation of the asset management tool.
- VTrans will conduct and attend Stormwater Management and Erosion and Sediment Control Training. VTrans offers a broad range of formal training on erosion and sediment control and stormwater management design to agency staff. These training classes are instructed by VTrans and non-VTrans subject experts from around the country. More classes are scheduled for 2013 – 2018 Permit Term. When space allows the training classes are open to employees of ANR, the Federal Highway Administration, the U.S. Department of Agriculture Natural Resources Conservation Service, and consulting companies. VTrans also provides an extensive amount of annual erosion and sediment control training to maintenance and construction employees through internal training meetings. VTrans staff is encouraged to seek training opportunities outside the agency. Additionally, each year VTrans provides a one-day training workshop for construction contractors that included a session on erosion and sediment control and compliance with regulations. Annual training for Maintenance District personnel training includes a session on stormwater management, erosion and sediment control, and compliance with regulations.
  - Measurable Goals: VTrans will report annually on class titles, attendance, target audience and, number of trainings.

## **6. Pollution Prevention/ Good Housekeeping for Municipal Operations**

*The permittee must describe its operation and maintenance program for preventing or reducing pollutant runoff from small MS4 operations.*

- VTrans Operation Districts will comply with the terms of the VTANR Construction General Permit or Individual Permit for new construction and land disturbance within the MS4. For projects that are under the jurisdictional threshold the Districts will follow the Culvert and Ditching Procedures.
  - Measurable Goals: VTrans will report annually a list of District projects with Construction General Permit or Individual Permit coverage.
- VTrans will:
  - Follow the ANR Vehicle Washing Policy for the washing of fleet vehicles.

- Follow the VTrans Bridge Washing BMP for all Bridge washing done in the MS4.
- All state garages located in the MS4 will develop a Stormwater Pollution Prevention Plan (SWPPP) and a Spill Prevention Plan (SPP). VTrans will have annual trainings on these plans and the facilities will be inspected annually.
- Implement a Tri-Level Winter Maintenance with a goal to be more efficient with winter maintenance usage of snow and ice controls and reduce sand/salt usage.
- Conduct street sweeping on VTrans road within the MS4.
- Conduct storm drain inspection and cleaning within the MS4.
- Properly dispose of materials collected during street sweeping and storm drain cleaning.
- Implement roadside bank stabilization projects.
- Track use of fertilizers used. Fertilizing is used primarily for turf establishment, typically for ditches, slopes and around culverts. A bill passed in 2011 primarily addresses turf maintenance. This bill requires use of only low or no phosphorous fertilizers unless a soil test is taken to require more. VTrans does not use any fertilizer for turf management.
- Measurable Goals:
  - VTrans will report:
    - Report annually on inspections and trainings conducted at state garages.
    - Report annually on salt and sand usage for winter road maintenance.
    - Report annually on total volume of material removed from street sweeping and storm drain cleaning.
    - Report annually on slope stabilization and erosion repair projects completed.
    - Report annually on fertilizer use.
- VTrans owns the land in which industrial facilities subject to an individual NPDES permit or General Permit 3-9003, Multi-Sector General Permit for Stormwater Discharges Associated With Industrial Activity (2011) (NPDES Number: VTR 050001) are operated on:
  - Rutland Rail Yard (5252-9003.R) – operated by Vermont Railway Systems Inc.
  - Burlington Rail Yard (5251-9003.R) – operated by Vermont Railway Systems Inc.

## Reporting

The Agency will submit an annual report to the Vermont ANR on or before April 1 of each year. The report will detail the Agency's efforts over the previous calendar year and include the following information:

- The status of the Agency's compliance with permit conditions.
- An assessment of the appropriateness of the identified best management practices.
- Progress towards achieving implementation of BMPs necessary to meet TMDL requirements and progress towards achieving the statutory goal for the six minimum measures of reducing the discharge of pollutants to the

Maximum Extent Practicable

- Measurable goals for each of the minimum control measures and TMDL implementation measures;
- A summary of monitoring data used to assess the success of the program at meeting TMDL requirements.
- A summary of the stormwater activities the permittee plans to undertake during the next reporting cycle (including an implementation schedule);
- Proposed changes to the Agency's SWMP; and
- Notice that the Agency is relying on another entity to satisfy some of its permit obligations.

**Figure 1 - Map of VTrans MS4**

## Figure 2 – VTrans MS4 Receiving Waters

**Appendix A - RSEP MOU**

**Appendix B – Stream Team MOU**

**Appendix C – Bridge Washing and Vehicle Washing BMPs**

## **Appendix D- Allen Brook Flow Restoration Plan**

This appendix is reserved for the Allen Brook Flow Restoration Plan (FRP).

## **Appendix E- Bartlett Brook Flow Restoration Plan**

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