

Vermont Agency of Transportation (VTrans)  
Transportation Separate Storm Sewer System (TS4)  
Stormwater Management Program (SWMP)  
Annual Report Workbook  
2020

TAB 4.0: Discharge Requirements Annual Reporting

Waterbody Name	Pollutant	TMDL (Yes/No)	Vtrans/TS4 Allocation (Yes/No)	Measure No.	Measure Description (General)	Annual Report Measure Detail	Progress Towards Meeting Measure (2020)
<b>4.1 Measures and Progress for Discharges to Impaired Waters With an Approved TMDL With Wasteload Allocation</b>							
LAKE MEMPHRAMAGOG (Newport)	PHOSPHORUS	Yes	Yes	18	PCP development and implementation beginning in 2022; VTrans will implement MCM #1 and #6 (SWMP Parts 6.A and 6.F)	Progress towards PCP development and implementation beginning in 2022	District road crews inspect the roadways throughout the year. Drainage infrastructure was inspected in this watershed.
<b>4.2 Measures and Progress for Discharges to Impaired Waters With an Approved TMDL Without Wasteload Allocation</b>							
LAKE CARMİ (Franklin)	PHOSPHORUS	Yes	No	16	No VTrans allocation, VTrans will implement MCM #1 and #6 (SWMP Parts 6.A and 6.F). Inspect hydrologically connected road segments if any, stabilize visible erosion, report progress annually. Primary impairment source is agricultural runoff.	Inspect hydrologically connected road segments, stabilize visible erosion	District road crews inspect the roadways throughout the year. Drainage infrastructure was inspected in this watershed. VTrans is currently working with DEC and the Town of Franklin to implement a project as part of the Lake Carmi Crisis Response Plan.
<b>4.3 Measures and Progress for Discharges to Impaired Waters Without an Approved TMDL</b>							
MUDDY BROOK	CHLORIDE	No	No	2	MCM #1 and #6 (SWMP Parts 6.A and 6.F); VAOT Snow and Ice Control Plan (SIC Plan); annual reporting on chloride usage within impaired watersheds. VTrans owns and controls approximately 9% of total impervious cover in Muddy Brook watershed and 14% of total impervious cover in Sunnyside Brook watershed.	Chloride usage within impaired watershed	Watershed specific data was not available for this report, the agency has started watershed specific tracking for the 2020-2021 winter maintenance season and will report the data in the 2021 annual report. See reporting for section f.3.b for statewide usage. The agency reports chloride usage for the the winter season, this years report will incompass fall 2019 to spring 2020. Drainage infrastructure was inspected in this watershed.
SUNNYSIDE BROOK	CHLORIDE	No	No	2		Chloride usage within impaired watershed	
JEWETT BROOK	NUTRIENTS, SEDIMENT, E. COLI	No	No	14	VTrans will implement MCM #1, #3, and #6 (SWMP Parts 6.A, 6.C, and 6.F). Inspect hydrologically connected road segments, stabilize visible erosion, report progress annually. Primary impairment source is agricultural runoff.	Inspect hydrologically connected road segments, stabilize visible erosion	District road crews inspect the roadways throughout the year.
RUGG BROOK	NUTRIENTS, SEDIMENT, E. COLI	No	No	14		Inspect hydrologically connected road segments, stabilize visible erosion	Median retrofit inspected. District road crews inspect the roadways throughout the year.
STEVENS BROOK	NUTRIENTS, SEDIMENT, E. COLI	No	No	14		Inspect hydrologically connected road segments, stabilize visible erosion	St. Albans Park and Ride gravel wetland inspected. 6765-9010 inspected and maintenance performed. St. Albans garage stormwater plan training and inspection was performed.

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Waterbody Name	Pollutant	TMDL (Yes/No)	Vtrans/TS4 Allocation (Yes/No)	Measure No.	Measure Description (General)	Annual Report Measure Detail	Progress Towards Meeting Measure (2020)
SHELBURNE POND (Shelburne)	PHOSPHORUS	No	No	16	No VTrans allocation, VTrans will implement MCM #1 and #6 (SWMP Parts 6.A and 6.F). Inspect hydrologically connected road segments if any, stabilize visible erosion, report progress annually. Primary impairment source is agricultural runoff.	Inspect hydrologically connected road segments, stabilize visible erosion	District road crews inspect the roadways throughout the year. Drainage infrastructure was inspected in this watershed.
DEER BROOK	SEDIMENT	No		20	Consider priority inclusion in PCP development and implementation (SWMP Part 9.2). VTrans owns or controls approximately 29% of total impervious cover in the Deer Brook watershed. Participate in planning/design activities, report progress annually.	Participate in planning/design activities; consider priority inclusion in PCP development and implementation	District road crews inspect the roadways throughout the year. Continued working with Friends of Northern Lake Champlain and Stone Environmental in advancing the design of a treatment system in this watershed. Recently the Friends of Northern Lake Champlain group was awarded a grant from ANR which was supported by VTrans.
SOUTH MOUNTAIN BRANCH (TRIB # 3)	SEDIMENT	No		22	Part B - plan in place to mitigate - no specific actions required. VTrans will implement MCM #1, #3, and #6 (SWMP Parts 6.A, 6.C, and 6.F). Inspect hydrologically connected road segments, stabilize visible erosion, report progress annually. Primary impairment cause is ski area development.	Inspect hydrologically connected road segments, stabilize visible erosion	District road crews inspect the roadways throughout the year.
BIG SPRUCE BROOK	SEDIMENT, IRON			22		Inspect hydrologically connected road segments, stabilize visible erosion	District road crews inspect the roadways throughout the year.

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TAB 6.0: Minimum Control Measure (MCM) Annual Reporting

TS4 Annual Reporting Requirements	Enter number	Description of how requirement was met (include information from prompts)	Anticipated Schedule	Attachments
<b>MCM 6.A (#1): Public Education and Outreach on Stormwater Impacts</b>				
A.1		VTrans maintains a website at: <a href="http://vtrans.vermont.gov/environmental-manual/permitting/stormwater">http://vtrans.vermont.gov/environmental-manual/permitting/stormwater</a>	Ongoing	<a href="http://vtrans.vermont.gov/environmental-manual/permitting/stormwater">http://vtrans.vermont.gov/environmental-manual/permitting/stormwater</a>
A.2		VTrans is continuing to maintain a stormwater management demonstration site and kiosk at the St. Albans Park & Ride and the Williston I-89 Northbound Information Center. As an indication of potential exposure of visitors to educational opportunities at the Williston site, see visitor counts maintained by the Department of Buildings and General Services (BGS) at this website: <a href="http://informationcenter.vermont.gov/visitor_statistics">http://informationcenter.vermont.gov/visitor_statistics</a>	Ongoing	<a href="http://informationcenter.vermont.gov/visitor_statistics">http://informationcenter.vermont.gov/visitor_statistics</a>
A.3		VTrans is continuing to participate in the RSEP; see Appendix A of the annual report.	Ongoing	See Appendix A in the annual report
<b>MCM 6.B (#2): Public Involvement and Participation</b>				
B.1		VTrans is continuing to participate in the Stream Team; see Appendix B of the annual report.	Ongoing	See Appendix B in the annual report
<b>MCM 6.C (#3): Illicit Discharge Detection and Elimination</b>				
C.1	3559 lane miles of 3000	VTrans is continuing to maintain the current MS4 mapping that was prepared under the 2003 MS4 permit and then updated to include additional MS4 areas for the 2012 MS4 permit. As resources are available, VTrans will expand this mapping to capture the statewide system. To see the current mapping visit: <a href="http://vtrans.vermont.gov/operations/technical-services/environmental/stormwater/managing/ms4gp3-9014/related">http://vtrans.vermont.gov/operations/technical-services/environmental/stormwater/managing/ms4gp3-9014/related</a>	Ongoing	<a href="http://vtrans.vermont.gov/operations/technical-services/environmental/stormwater/managing/ms4gp3-9014/related">http://vtrans.vermont.gov/operations/technical-services/environmental/stormwater/managing/ms4gp3-9014/related</a>
C.2		VTrans currently relies on its Title 19 Highway Access Permitting authority to prohibit and enforce against non-stormwater discharges. VTrans continues to work with internal and external stakeholders to draft and implement a policy within the permit term. During this reporting period VTrans began developing an IDDE policy. VTrans is planning on finalizing the policy by the end of the permit term.	As soon as is feasible within the term of this permit given the possible need for legislative action.	
C.3		Vtrans has developed and implemented a reporting and enforcement SOP to address non-stormwater discharges from outside the ROW. Additionally, the agency has begun to develop a plan to conduct additional testing of outfalls for illicit discharges outside the MS4 areas.	Ongoing	
	Illicit discharges encountered or reported:	4	four potential illicit discharges locations were encountered or reported in 2020. The locations were Swanton, East Fairfield, Sheldon, and Enosburg.	
	Monitoring activities conducted:	4	The sites were visited and didn't present a concern. Follow up in 2021 will occur to ensure that the site is not a illicit discharge.	

	Corrective actions taken or referrals to ANR:	0			
<b>C.4</b>	Develop an informational flyer for Title 19 Section 1111 permit holders to inform them of hazards associated with illegal discharges and improper disposal of waste. Indicate # of:		VTrans has worked with a consultant to prepare a flyer, it is currently in the draft stage and will be finalized in the next year.	Ongoing	
	Title 19 Section 1111 permits issued:	622			
<b>C.5</b>	Monitor for categories of non-stormwater discharges listed in the SWMP (MCM 6.C.5), investigate significance of each, and take appropriate enforcement action as warranted. Indicate # of:		VTrans is continuing to monitor for non-stormwater discharges to investigate them and take appropriate enforcement actions as necessary.	Ongoing	
	Non-stormwater discharges discovered:	0			
	Corrective actions taken:	0			
<b>MCM 6.D (#4): Construction Site Stormwater Runoff Control</b>					
<b>D.1</b>	Implement procedures to assure that construction activities undertaken are properly permitted and in compliance with permits. Indicate # :		VTrans is continuing to comply with the terms of their stormwater construction permits.	Ongoing	
	Projects with GP 3-9020 and/or INDC coverage:	38	10 projects applied and received stormwater construct permit coverage in 2020 and 28 projects currently in construction have stormwater construction permit coverage.		
<b>D.2</b>	Review existing policies for effectiveness in managing construction-related EPSC and controlling wastes, and make changes as needed.		VTrans continues to review existing policies and their effectiveness. This year, VTrans began reviewing the IDDE process of how identified possible illicit discharges are handled in construction projects. Vtrans is starting to develop a policy to better manage IDDE.	Ongoing	<a href="https://vtrans.vermont.gov/sites/aot/files/highway/documents/environmental/VTrans%20EPSC%20Protocol%202019.pdf">https://vtrans.vermont.gov/sites/aot/files/highway/documents/environmental/VTrans%20EPSC%20Protocol%202019.pdf</a>
<b>D.3</b>	Review existing policies for consistency with ANR general permits for stormwater runoff from large and small construction sites and construction EPSC guidelines for low-impact development.		VTrans continues to review existing policies and their effectiveness. VTrans has completed an evaluation of the process that a project with stormwater considerations goes through within VTrans, based on this the agency made some changes to the process to improve it's effectiveness and efficiency. Additionally, "VTrans EPSC Protocol was revised July 2019.	Ongoing	<a href="https://vtrans.vermont.gov/sites/aot/files/highway/documents/environmental/VTrans%20EPSC%20Protocol%202019.pdf">https://vtrans.vermont.gov/sites/aot/files/highway/documents/environmental/VTrans%20EPSC%20Protocol%202019.pdf</a>
<b>D.4</b>	Implement a plan that addresses stormwater runoff from construction activities that are not subject to state or federal EPSC requirements. Indicate # of:		VTrans is continuing to implement the "VTrans EPSC Protocol" (revised July 2019), which contains guidelines for: (1) creating and implementing EPSC Plans that meet the requirements of GP 3-9020, and (2) projects disturbing less than one acre with any potential to impact resources.	Ongoing	
	Number of projects following the "VTrans EPSC Protocol":	40	All projects follow the EPSC protocol. 40 projects, this does not include paving, line striping, rumble strip or sign projects that all follow the ANR Low Risk Site Handbook if needed.		
<b>D.5</b>	Conduct environmental compliance site visits to projects that are under construction to review implementation of the EPSC Plan and compliance with environmental permit conditions. Indicate # of:		VTrans is continuing to conduct environmental compliance site visits to projects that are under construction to assess installation of EPSC measures, protection of natural resources, and compliance with state and federal regulations.		

	Number of environmental compliance sites visits:	62			
D.6	Conduct and attend construction-phase stormwater management / EPSC training.		See Tab 6.1 for a list of trainings that VTrans has conducted and/or attended.	Ongoing	
<b>MCM 6.E (#5): Post Construction Stormwater Management for New Development and Redevelopment</b>					
E.1.a	Update the "VTrans Project Post-Construction (Operational) Stormwater Protocol" in the first two years of the permit term.		Vtrans is working on updating the protocol, after completing a LEAN event on the stormwater process. Due to covid, the protocol was not completed but we plan to continue working on updating the protocol in 2021.	2022	
E.1.b	Further develop and implement VTrans' Stormwater Management Program using the results of the "Stormwater Program Evaluation" (2015 - 2017).		VTrans is utilizing the results of the evaluation by beginning work on action number 7, Institutionalize Maintenance and Good Housekeeping Practices, as identified in the stormwater program evaluation.	Ongoing	
E.2	Update and implement the "VTrans Gap SOP" to include areas statewide that are within the TS4.		The GAP procedure has been updated and is being implemented in the MS4 area. VTrans will begin implementing the procedure outside of the MS4 area as a trial beginning July, 2021.	Ongoing	
E.3			Essex BF 5400(9), St. Albans IM SWFR(2), Williston NH 5500(18) followed the VTrans Gap procedure		
E.6	Conduct and attend post-construction (operational) stormwater management training.		See Tab 6.1 for a list of trainings that VTrans has conducted and/or attended.	Ongoing	
<b>MCM 6.F (#6): Pollution Prevention and Good Housekeeping for Municipal Operations</b>					
F.2	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR.		If relevant, VTrans has included annual soil test results in Appendix C of the annual report.	Annually, when relevant	See Appendix C in the annual report.
F.3	For facilities that are not currently covered, develop SWPPPs for state garages located outside of the MS4 on a schedule of four facilities a year.	23 of the 20 SWPPPs required in the permit term have been developed	In 2019, VTrans has prepared SWPPPs for the following facilities outside of the MS4: Island Pond garage, St. Johnsbury garage, East Dorset garage, Londonderry garage, Morrisville garage	Ongoing	
F.3.a	Continue to conduct trainings and inspections at facilities currently covered		See Tab 6.3.a for a list of trainings and inspections conducted.		
	Maintain and update facility documents annually		See Tab 6.3.a for a list of documents maintained and updated.		
	Summarize corrective actions that have taken place at facilities:		See Tab 6.3.a for a summary of corrective actions.		
F.3.b	Implement good housekeeping measures and consider development of additional measures. Indicate:		VTrans is continuing to implement good housekeeping measures.	Ongoing	
	Total volumes of salt and sand usage for winter road maintenance:		Sept. 1, 2019 through June 1, 2020 VTrans usage: Salt: 140,511 tons, Sand: 2,181 cubic yards, Salt Brine: 1,849,360 gallons, Liquid De-Icer: 119,915 gallons		
	Total number of lanes miles street sweeping was conducted on:	2,466 lane miles	At a minimum Vtrans will conduct street sweeping on 2,000 lane miles per year.		
	Percentage of Vtrans roads storm drain inspections were conducted on:	21.1%	7684 culverts were inspected in 2020		
	Number of slope stabilization and erosion repair projects completed:	3	The projects include Jay rt. 242 culvert upsizing, stabilization, and stone lining, Colchester erosion fixes as part of a UVM research project		
	Additional measures established:				

F.4	Conduct annual monitoring and spill response, and take corrective actions under the SPCC Plans. Indicate:	VTrans Hazmat Unit Staff are continuing to implement SPCC Plans, involving monitoring, spill response, and implementation of corrective actions. Monitoring and corrective actions taken include: <table border="0" style="margin-left: 40px;"> <thead> <tr> <th></th> <th style="text-align: center;">Number of Spills</th> <th style="text-align: center;">Monitoring Events</th> <th style="text-align: center;">Corrective Actions*</th> </tr> </thead> <tbody> <tr> <td>Roadway:</td> <td style="text-align: center;">6</td> <td style="text-align: center;">0</td> <td style="text-align: center;">4</td> </tr> <tr> <td>Facility:</td> <td style="text-align: center;">4</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> *Corrective Actions include spill response and reporting		Number of Spills	Monitoring Events	Corrective Actions*	Roadway:	6	0	4	Facility:	4	0	0	Ongoing	
	Number of Spills	Monitoring Events	Corrective Actions*													
Roadway:	6	0	4													
Facility:	4	0	0													
	Trainings, with list of trainees and topics:	See Tab 6.1 for a list of trainings that VTrans has conducted and/or attended.														

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**TAB 6.1: Trainings Summary**

<b>Section 6.0 Minimum Control Measures: Construction and Operational Stormwater</b>		
<b>Class Title</b>	<b>Total Attendance</b>	<b>Target Audience</b>
EJ Prescott: Civil Engineering toolbox stormwater training	3	VTrans staff
FHWA Innovation Exchange Webinar: Anti-Icing Success Stories	3	VTrans staff
UVM Green Infrastructure Operation & Maintenance Summit	5	VTrans staff
Webinar: MassDOT compost blanket research	2	VTrans staff
Webinar - Restoring Living Shorelands	2	VTrans staff
Minn SW Seminar Series: Bioretention Soil Media, Veg., and Maint.: Lessons learned	3	VTrans staff
ANR Clear Water series: An update on Vermont's Clean Water Act	2	VTrans staff
TRB Webinar: Designing landscapes to enhance roadside water management	3	VTrans staff
Zoom-a-Water-Scientist: Megan Moir	1	VTrans staff
Webinar - Innovations in Total Stormwater Management	2	VTrans staff
Webinar - Stormwater Drainage & Storage Toolbox	1	VTrans staff
VT local roads: Session 15-Let's talk culverts – small structures with big impacts	3	VTrans staff
Webinar - Revegetation: Building the Best Possible Soils	2	VTrans staff
Webinar - Designing Green Stormwater Infrastructure	3	VTrans staff
StormCon 2020	4	VTrans staff
Webinar - National Municipal Stormwater Alliance Stormwater Pond Webcast Series	1	VTrans staff
Webinar - National Municipal Stormwater Alliance Stormwater Pond Webcast Series	1	VTrans staff
Stormwater Education Series: Community (Essex Junction & Essex Town) Challenge	1	VTrans staff
Webinar - National Municipal Stormwater Alliance Stormwater Pond Webcast Series	1	VTrans staff
Webinar - National Municipal Stormwater Alliance Stormwater Pond Webcast Series	1	VTrans staff
UVM Stormwater Education Methods Series	2	VTrans staff
Stormwater Subsurface Gravel Wetlands in Vermont: Do they meet expectations?	2	VTrans staff
Greener Streets: The Burlington, Vermont Great Streets Initiative	1	VTrans staff
VTrans & MnDOT Peer Exchange: Reducing Plastics and Other Toxics From Erosion	8	VTrans staff
ANR CLEAN WATER LECTURE Pointing Out Nonpoint Source Pollution with Helen	1	VTrans staff
Salt of the Earth: Vermont's hidden pollution problem	2	VTrans staff
Stormwater Management	1	VTrans staff
VLR Virtual Environmental Round Table	10	VTrans staff
VLR Virtual Introduction to Rivers & Roads	2	VTrans staff
Rivers & Roads Tier I	8	VTrans staff
Erosion and Sediment Control	5	VTrans staff
Plan Reading: Erosion and Sediment Control Plans	3	VTrans staff
Bridge Cleaning	4	VTrans staff
How to Assess Poor Soil Conditions & Develop Effective Stabilization Solutions	1	VTrans staff

**Section 6.0 Minimum Control Measures: Hazardous Materials, SPCC, Spill Prevention and Response**

<b>Class Title</b>	<b>Total Attendance</b>	<b>Target Audience</b>
Dealing With Hazardous Spills	1	VTrans staff
DOT HAZMAT General Awareness	1	VTrans staff
DOT HAZMAT Safety Training	2	VTrans staff
Hazard Communication in Construction Environments	58	VTrans staff
HAZWOPER for Cleanup Sites (Part 4 of 4)	1	VTrans staff
HAZWOPER for Cleanup Sites (Part 1 of 4)	1	VTrans staff
HAZWOPER for Cleanup Sites (Part 2 of 4)	1	VTrans staff
HAZWOPER for Cleanup Sites (Part 3 of 4)	1	VTrans staff
HAZWOPER Safety Orientation	1	VTrans staff
HazCom: Emergency Spill Response and Reporting	362	Hwy Maintenance districts and central garage staff; state-wide
Spill Prevention, Control, and Countermeasures	87	Hwy Maintenance district garage staff, State Airport FBOs,



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**TAB 6.3.a: Facilities Updates**

**Section 6.3.a Minimum Control Measures: Trainings and Inspections Conducted at Facilities**

Class Title	Total Attendance	Target Audience
Ascutney Garage	2	Maintenance Staff
Bennington Garage	2	Maintenance Staff
Cambridge Garage	2	Maintenance Staff
Castleton Garage	2	Maintenance Staff
Central Garage	1	Maintenance Staff
Clarendon Garage	2	Maintenance Staff
Colchester Chimney Corners Garage	3	Maintenance Staff
Colchester Fort Ethan Allen Garage	2	Maintenance Staff
Eden Garage	2	Maintenance Staff
Enosburg Garage	4	Maintenance Staff
Irasburg Garage	3	Maintenance Staff
Ludlow Garage	1	Maintenance Staff
Mendon Garage	2	Maintenance Staff
Middlebury Garage	2	Maintenance Staff
Middlesex Garage	4	Maintenance Staff
Montgomery Garage	4	Maintenance Staff
New Haven Garage	3	Maintenance Staff
North Montpelier Garage	3	Maintenance Staff
Rockingham Garage	2	Maintenance Staff
Royalton Garage	2	Maintenance Staff
Rutland Central Garage	2	Maintenance Staff
St. Albans Town Garage	2	Maintenance Staff
Sudbury Garage	2	Maintenance Staff
Thetford Garage	2	Maintenance Staff
Waitsfield Garage	4	Maintenance Staff
Wilmington Garage	1	Maintenance Staff

**Section 6.3.a Minimum Control Measures: Facility Documents Maintained and Updated**

Document Name		
Ascutney Garage		
Bennington Garage		
Cambridge Garage		
Castleton Garage		
Central Garage		
Clarendon Garage		
Colchester Chimney Corners Garage		
Colchester Fort Ethan Allen Garage		

Eden Garage		
Enosburg Garage		
Irasburg Garage		
Ludlow Garage		
Mendon Garage		
Middlebury Garage		
Middlesex Garage		
Montgomery Garage		
New Haven Garage		
North Montpelier Garage		
Rockingham Garage		
Royalton Garage		
Rutland Central Garage		
St. Albans Town Garage		
Sudbury Garage		
Thetford Garage		
Waitsfield Garage		
Wilmington Garage		

**Section 6.3.a Minimum Control Measures: Corrective Actions Identified at Facilities**

Facility		Corrective action identified
Cambridge Garage		Sediment trap to be installed by fall of 2021
Eden Garage		Ditch between the garage and Rt 118 to be reshaped and stone lined by fall of 2021
Enosburg Garage		Sediment trap before the discharge to be cleaned out before winter.
Middlebury Garage		Stockpiles were moved and the contractor for the Middlebury tunnel project is going to come in and revegetate parts of the yard that need it.
North Montpelier Garage		Cleanout settling area
St. Albans Town Garage		Sediment trap before the discharge to be cleaned out before winter.
Waitsfield Garage		Look for alternative snow pile storage

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**TAB 7.0: Industrial Activities Summary**

Facility Name	Permit Number	Sector	Inspection/Training Date	Attendance of Training	Corrective Action
W.H. Morse Air	4579-9003.R	S	10/5/2020	2	
E.F. Knapp Air	4582-9003.R	S	7/27/2020	1	
Rutland Air	3769-9003.R	S	10/5/2020	1	
Newport Air	3836-9003.R	S	10/20/2020	1	
Franklin Cnty Air	3065-9003.R	S	8/13/2020	1	Check abandoned plane to make sure fluids are drained out of it or move plane to a location under cover.
Caledonia Air	3896-9003.R	S	10/15/2020	1	
Middlebury Air	4581-9003.R	S	9/15/20	2	
Morrisville - Stowe Air	4272-9003.R	S	8/13/2020	1	
Hartness Air	4580-9003.R	S	9/15/20	2	
J.H. Boylan Air	4574-9003.R	S			NO EXPOSURE
E. Dorset Pit	4576-9003.R	J	10/21/2020	3	
Hinesburg Pit	4577-9003.R	J	9/28/2020	1	
Calais Pit	6054-9003.R	J	10/20/2020	1	

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**TAB 8.0. Operational Stormwater Management System Annual Inspections Summary**

Permit Name	Permit Number	Region	Inspection Date	Inspector Name	Inspector Title	Permit Name Changed	New Permit Name	Ownership Changed	Impervious Changed	Permit Status	Mowing Needed	ReVegetation Needed	Catch Basin Cleaning	Illicit Discharge	Stormwater ReRouting	Erosion	Sediment	Maintenance Description	Compliant	Comments	Year	Regional Stormwater Tech
Alburg-Swanton Missisquoi Bay Bridge	6070-9010.R	District 8 Northwest	8/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Barre Town HES 026-1138 (roundabout)	4969-9010	District 7 Northeast	8/21/2020	Alysha Kane	Stormwater Tech	No	No Name Change	No	No	Constructed	Yes	No	No	No	No	No	No	Clean out will be needed 2021	Yes		2020	Northwest Region Alysha Kane
Bennington-Hoosick DPH 0146(1) C/3 & C/4	3156-9010.R	District 1 Southwest	4/29/2020	Jeremy Bruno	District Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Dexter Puls
Berlin E.F. Knapp runway taxiway apron/etc	4582-9010	N Airports	7/27/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Vegetation in ponds to be cut in 2020	Yes	Looks good overall - Erosion fix (armoring - 2018) at S/N 3 looks good	2020	Northwest Region Tyler Hanson
Brandon D3 Maint Garage	3768-9010.R	District 3 Southwest	4/14/2020	James Caulkin	District Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Dexter Puls
Bristol STP BRF 021-1(15)	5221-9010	District 5 Northwest	10/29/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes	New grass seed mix by pond not establishing, re-seed in 2021	2020	Southwest Region Tyler Hanson
Cambridge BRF 027-1(4) & STP 030-2(27)	4765-9010	District 8 Northwest	10/16/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Chester BRF 0016-1(2)	3909-9010.R	District 2 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Knotweed was cut in 2020	Yes		2020	Southwest Region Michael Johnson
Colchester DS "Fort" Site Redevelopment	6363-INDS.R	District 5 Northwest	10/23/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Colchester HES 0281(28)	7427-INDS	District 8 Northwest	10/23/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Mowing in the spring of 2021	Yes		2020	Northwest Region Tyler Hanson
Colchester Park & Ride and Maintenance Facility	3012-9010.R	District 5 Northwest	10/23/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Cornwall BR017(16)	5606-9010	District 5 Northwest	7/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Dummerston Garage Stormwater Improvements	7758-9015	District 2 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes	Grass is still struggling to grow. Try new strategy in 2021.	2020	Southwest Region Michael Johnson
Ferrisburgh Maint. Facility	3399-9010A1	District 5 Northwest	10/29/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Tyler Hanson
Groton F 026-11(27) & BRF 026-11(27)S	3904-9010.R	District 7 Northeast	8/21/2020	Alysha Kane	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Grass swale was reshaped and reveg Fall 2019, looking good this year no additional work needed	Yes		2020	Northwest Region Alysha Kane
Guildford Weigh Station IM 091-1(25)	6989-9015	District 2 Southeast	8/27/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson
Hartland BR5 0113 (21)	3903-9010.R	District 4 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson
Highgate D8 Highway Maintenance Facility	4302-9010.R	District 8 Northwest	7/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Hyde Park HES 030-2(23) roundabout	6263-9010	District 8 Northwest	7/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Johnson STP 030-2(23)(25) Streetscape	6531-9015	District 8 Northwest	7/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Tyler Hanson
Lynon - Caladonia City Airport	3896-9010	N Airports	8/21/2020	Alysha Kane	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Working on Permit amendment with Aviation to join bother permits at this airports and correct the non-compliant treatment	Yes		2020	Northwest Region Alysha Kane
Middlebury State Airport Safety Area Buyouts	4581-INDS	S Airports	6/10/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson
Middlesex D6 garage expansion	4578-9010	District 5 Northwest	7/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Milton STP S800 (2)	6019-9010	District 5 Northwest	10/23/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Mow in spring of 2021	Yes		2020	Northwest Region Tyler Hanson
Newfane STP HES 015-1(15) Northern	3767-9010.R	District 2 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Knotweed was cut in 2020.	Yes		2020	Southwest Region Michael Johnson
Pittsford-Brandon Seg 5	3628-9010	District 3 Southwest	4/14/2020	James Carlin	District Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Dexter Puls
Putney CMG PARK(26)	6923-9015.A	District 2 Southeast	10/14/2020	Michael Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	Yes	No	Some erosion and undercutting of the stone noticed in the outfall. Something to keep an eye on over the winter.	Yes		2020	Southwest Region Michael Johnson
Randolph CMG Park (21) SC Park & Ride	3850-9010	District 4 Southeast	9/22/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No	Trash pickup needed	Yes		2020	Southwest Region Michael Johnson
Richmond STP RS 0284(1) Chickenhouse truss	5516-9010	District 5 Northwest	10/23/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Searsburg-Wilmington F010-Q18) (VT Rte 9)	4301-9010.R	District 1 Southwest	5/7/2020	Jeremy Bruno	District Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Dexter Puls
Sheldon HES 034-1(17) Reconstruction	3661-9010.R	District 8 Northwest	7/13/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	Yes	No	Minor erosion next to parking area to be fixed in 2021	Yes		2020	Northwest Region Tyler Hanson
Springfield CMG PARK(32)	7034-9015	District 2 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson
Stockbridge BRF 023-1(20)	4233-9010	District 4 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson
Vergennes-Ferrisburgh F 017-1(5) 22A	3765-9010.R	District 5 Northwest	10/29/2020	Tyler Hanson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Westminster-Rockingham BR5 0113(15)	3763-9010.R	District 2 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Northwest Region Tyler Hanson
Wilmington F 010-1(19)	3766-9010.R	District 1 Southwest	4/28/2020	Jeremy Bruno	District Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Dexter Puls
Windsor Garage Site Improvements	5499-9015.A	District 4 Southeast	9/22/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	Yes	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson
Windsor IM 091-1(64)	6972-INDS	District 4 Southeast	10/14/2020	M. Johnson	Stormwater Tech	No	No Name Change	No	No	Constructed	No	No	No	No	No	No	No		Yes		2020	Southwest Region Michael Johnson



**Vermont Agency of Transportation (VTrans)  
Transportation Separate Storm Sewer System (TS4)  
Stormwater Management Program (SWMP)  
Annual Report Workbook  
2020**

**TAB 9.2: Phosphorus Control Plan (PCP) Development Reporting**

<b>Milestone Date</b>	<b>Milestone</b>	<b>Progress Toward Meeting Milestone</b>	<b>Anticipated Schedule</b>
1/1/2018	Submit NOI and SWMP.	NOI and SWMP submitted on December 5, 2017.	Complete
4/1/2018	Establish the baseline phosphorus load and reductions needed. (Subpart 9.2.A.1)	Baseline P load and reductions needed established on March 30, 2018.	Complete
10/1/2018	Complete GIS inventory of phosphorus loading factors. (Subpart 9.2.A.2)	Memo: VTrans PCP - Submission of GIS Files of Loading Factors - dated Oct. 1, 2018	Complete
4/1/2019	Complete development of coefficients of loading rates. (Subpart 9.2.A.3)	Memo: VTrans PCP - Submission of Coefficients for Phosphorus Loading Rates - dated April 1, 2019	Complete
10/1/2019	Submit progress report on Phosphorus Control Plan.	Memo: VTrans PCP – Submission of Progress Report on the Phosphorus Control Plan - dated Oct. 1, 2019	Complete
4/1/2020	Complete generalized statewide Phosphorus Control Plan. (Subpart 9.2.A.4)	Generalized statewide Phosphorus Control Plan submission - dated April 1, 2020	Complete
10/1/2020	Submit 1st 4-year implementation plan (Phase I). (Subpart 9.2.A.5)	Amendment of TS4 to incorporate generalized and 1st 4-year implementation plan - dated Oct. 1, 2020	Complete
April 1, 2021 and every 6 months thereafter (April 1st and October 1st)	Submit semi-annual report on Phosphorus Control Plan implementation. (Subpart 9.2.D)		
10/1/2024	Submit 2nd 4-year implementation plan (Phase II). (Subpart 9.2.A.5)		
10/1/2028	Submit 3rd 4-year implementation plan (Phase III). (Subpart 9.2.A.5)		
10/1/2032	Submit 4th 4-year implementation plan (Phase IV). (Subpart 9.2.A.5)		
No later than June 17, 2036	Complete implementation of the approved PCP.		