TAB 4.0: Discharge Requirements Annual Reporting

TAB 4.0: Discharge Requi	irements Annual Rep	porting	Manage /TC *	I	T		1
Waterbody Name 4.1 Measures and Progress	Pollutant for Discharges to Imp	TMDL (Yes/No) aired Wate	Vtrans/TS4 Allocation (Yes/No) rs With an App	Measure No.	Measure Description (General)	Annual Report Measure Detail	Progress Towards Meeting Measure (2023)
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	Distrcit road crews inspect the roadways throughout the year. Drainage infastructure was inspected in this watershed. VTrans has submitted a progress report on the development of the lake Memphramagog PCP on March 28th, 2024.
4.2 Measures and Progress LAKE CARMI (Franklin)	PHOSPHORUS	Yes	rs With an App No	16	D. Without Wasteload Allocation 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	Distrcit road crews inspect the roadways throughout the year. Drainage infastructure 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 Carmil Crisis Response Plan.
4.3 Measures and Progress MUDDY BROOK	for Discharges to Imp CHLORIDE	No	No No	Approved 1 2	MDL	Chloride usage within impaired watershed	Material usage: Salt (ton): 77.15, Sand (ton): 0.00, Prewet (gal): 794.7, Anti Ice (gal): 1.2
SUNNYSIDE BROOK	CHLORIDE	No	No	2		Chloride usage within impaired watershed	Material usage: Salt (ton): 20.82, Sand (ton): 0, Prewet (gal): 116.8, Anti Ice (gal): 0.3
CENTENNIAL BROOK	CHLORIDE	No	No	2		Chloride usage within impaired watershed	Material usage: Salt (ton): 301.37, Sand (ton): 0, Prewet (gal): 809.6, Anti Ice (gal): 1.5
ENGLESBY 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.	Chloride usage within impaired watershed	Material usage: Salt (ton): 0, Sand (ton): 0, Prewet (gal): 0, Anti Ice (gal): 0
POTASH BROOK	CHLORIDE	No	No	2		Chloride usage within impaired watershed	Material usage: Salt (ton): 136.56, Sand (ton): 0, Prewet (gal): 1984, Anti Ice (gal): 6.3
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	Inspect hydrologically connected road segments, stabilize visible erosion	Distrcit road crews inspect the roadways throughout the year.
RUGG BROOK	NUTRIENTS, SEDIMENT, E. COLI	No	No	14	connected road segments, stabilize visible erosion, report progress annually. Primary impairment source is agricultural runoff.	Inspect hydrologically connected road segments, stabilize visible erosion	Median retrofit inspected. Distrcit 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. St. Albans garage stormwater plan training and inspection was performed.
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	Distrcit road crews inspect the roadways throughout the year. Drainage infastructure 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	Distrcit 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. Contruction of the final phase of the project is planned for April of 2024.
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	Inspect hydrologically connected road segments, stabilize visible erosion	Distrcit road crews inspect the roadways throughout the year.

	Minimum Control Measure (MCM) Annual Repo			lest state	Tana at an area
	al Reporting Requirements (#1): Public Education and Outreach on Stormwater		Description of how requirement was met (include information from prompts)	Schedule	Attachments
	Maintain website with locally relevant stormwater	pact3	VTrans maintains a website at: https://vtrans.vermont.gov/operations/technical-	Ongoing	https://vtrans.vermont.gov/operations/
	information and promote its existance and use.		services/environmental/stormwater		technical- services/environmental/stormwater
	Establish one (1) additional educational kiosk or demonstration project at a public facility within the permit term.		VTrans is continuing to maintain a stormwater management demonstration site and klosk at the St. Albans Park & Ride, the Williston I-89 Northbound Information Center and Randolph Park and Ride. Within this permit term we will be working on developing a stormwater demostration site and klosk at the Williston Park and Ride. 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: http://informationcenter.vermont.gov/visitor_statistics.	Ongoing	http://informationcenter.vermont.gov/ visitor_statistics
	Participate in the Chittenden County Regional Stormwater Education Program (RSEP).		VTrans is continuing to participate in the RSEP; see Appendix A of the annual report.	Ongoing	See Appendix A in the annual report
	(#2): Public Involvement and Participation				
	Participate in the Chittenden County Regional Stormwater Public Involvement and Participation Program ("Stream Team").		VTrans is continuing to participate in the Stream Team; see Appendix B of the annual report.	Ongoing	See Appendix B in the annual report
MCM 6.C	(#3): Illicit Discharge Detection and Elimination			•	
	Maintain and expand MS4 mapping to include statewide storm sewer system. Verify outfall locations with field surveys outside the MS4, with a goal of inspecting the remianing swales within the permit term.	9,166 swale segments / 25,721 swale segments	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. The swale inspection reporting format was changed due to a restructure of our mapping data. We now report on swale sections inspected due to the splitting of swales to help track phosphorus crediting under our phosphorus control plant. 7.58 swale seements were inspected in 2023.	Ongoing	
	Draft and implement a policy and enforcement procedures that prohibit non-stormwater discharges.		In 2021, VTrans finalized and signed a new policy prohibiting illicit (non-stormwater) discharges into the state highway rights-of-way, into its stormwater collection, conveyance and treatment systems, and onto its other non-highway land holdings. The new policy, "Prohibition on Illicit (non-stormwater) discharges into VTrans TS4", can be found at https://vermontgov.sharepoint.com/sites/VTRANS/VTransIntranetHome/VTrans%20Policy%20Manual/Non-stormwater%20Prohibition%20into%20TS4.pdf		
	Develop a plan to conduct additional testing of outfalls for illicit discharges outside MS4 areas within the TS4. Develop a reporting and enforcement SOP to address non-stormwater discharges from outside the ROW. Indicate # of:		Vtrans has developed and implemented a reporting and enforcement SOP to address non-stormwater discharges from outside the ROW. Additionally, the agency has developed a draft plan to conduct additional testing of outfalls for illicit discharges outside the MS4 areas. VTrans has started piloting the draft plan. 123 outfalls were tested in 2023.	Ongoing	See attachment C in the annual report
	Illicit discharges encountered or reported:	7	Seven potential illicit discharges locations were encountered or reported in 2023. The locations were Wolcott, Sheffield, Salisbury, New Haven, East Montpelier, Hardwick, and Sharon.		
	Monitoring activities conducted: Corrective actions taken or referrals to ANR:	7	All sites were monitored.		
	Corrective actions taken or referrals to Aviv.	,	reported to the EEO and found to be sulfur coming from a broken water pipe. Salisbury was reported to the EEO and is still an open case. New Haven was found to be a sump pump discharging into the right of way and is still an open case. East Montpelier was reported to EEO and is still an open case. Hardwick we were unable to obtain a sample due to construction burying the area, EEO found no evidence of a failing septic so we will visit the site again in the spring of 2024. Sharon is a gravel pit that is discharging sediment into our right of way and filling our culverts and ditching, reported to ANR and is still an open case.		
	Develop a webpage for Title 19 Section 1111 permit holders to inform them of hazards associated with litegal discharges and improper disposal of waste within the permit term. Indicate # of:	550	VTrans will create a webpage for Title 19 Section 1111 permit holders to inform them of hazards associated with illegal discharges and improper disposal of waste within the permit term	Ongoing	
	Title 19 Section 1111 permits issued:	559			
	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			
NACCA T	Corrective actions taken:	0			
	(#4): Construction Site Stormwater Runoff Control Implement procedures to assure that construction		VTrans is continuing to comply with the terms of their stormwater construction permits.	Ongoing	I
	activities undertaken are properly permitted and in compliance with permits. Indicate #:			5015	
	Projects with GP 3-9020 and/or INDC coverage:	57	15 projects applied and received stormwater construct permit coverage in 2023 and 42 projects currently in construction have stormwater construction permit coverage.		
	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, the 2024 spec book and EPSC Field Inspection Handbook are being reviewed and developed, EPSC details reviewed, Off Site Activity process and forms have been reviewed and updated.	Ongoing	https://vtrans.vermont.gov/sites/aot/fil es/highway/documents/environmental/ VTrans%20EPSC%20Protocol%202019.p df
			ı		E.

	Review existing policies for consistency with ANR general permits for stornwater runoff from large and small construction sites and construction EPSC guidelines for low-impact development.		VTrans continues to review existing policies and their effectiveness. This year, the 2024 spec book and EPSC Field Inspection Handbook are being reviewed and developed, EPSC details reviewed, Off Site Activity process and forms have been reviewed and updated.	Ongoing	https://utrans.vermont.gov/sites/aot/files/highway/documents/environmental/ VTrans%20EPSC%20Protocol%202019.pdf
	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":	33	All projects follow the EPSC protocol. 33 projects, this does not include paving, line striping, rumble strip or sign projects that all follow the ANR Low Risk Site Handbook if needed.		
	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:	218			
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	
E.1.a	(#5): Post Construction Stormwater Management for Continue to implement the "VTrans Project Post- Construction (Operational) Stormwater Protocol".	r New Develop	ment and Redevelopment Vtrans updated the stormwater protocol, after completing a LEAN event on the stormwater process. The protocol was finalized and implemented in 2022.	2022	
	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 completing action number 4, Optimize Use of 1111 Permits to Protect VTrans Systems. Progress to be reported in coming annual inspections.	Ongoing	
E.2	Continue to implement the "VTrans Gap SOP" to include areas statewide that are within the TS4.			Ongoing	
E.3			One project was identified to follow the gap procedure, Wilmington CULV (61)		
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	
MCM 6.F	(#6): Pollution Prevention and Good Housekeeping fo	or Municipal O	perations		
F.2	(#6): Pollution Prevention and Good Housekeeping for if phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR.	or Municipal O	perations If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023.	Annually, when relevant	
F.2 F.3	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of	5 of the 20 SWPPS required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were		
F.2 F.3	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted.	when relevant	
F.3	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville.	when relevant	
F.3.a	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered Maintain and update facility documents annually Summarize corrective actions that have taken place at facilities: Implement good housekeeping measures and consider development of additional measures.	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted. See Tab 6.3.a for a list of documents maintained and updated.	when relevant	
F.3.a	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered Maintain and update facility documents annually Summarize corrective actions that have taken place at facilities: Implement good housekeeping measures and	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted. See Tab 6.3.a for a summary of corrective actions.	when relevant Ongoing	
F.3.a	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered Maintain and update facility documents annually Summarize corrective actions that have taken place at facilities: implement good housekeeping measures and consider development of additional measures. Indicate: Total volumes of salt and sand usage for winter road maintenance: Total number of lanes miles street sweeping was	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted. See Tab 6.3.a for a list of documents maintained and updated. See Tab 6.3.a for a summary of corrective actions. VTrans is continuing to implement good housekeeping measures. Sept. 1, 2022 through June 1, 2023 VTrans usage: Salt: 115,897.55 tons, Sand: 2,976.25 cubic yards,	when relevant Ongoing	
F.3.a	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered Maintain and update facility documents annually Summarize corrective actions that have taken place at facilities: Implement good housekeeping measures and consider development of additional measures. Indicate: Total volumes of salt and sand usage for winter road maintenance: Total number of lanes miles street sweeping was conducted on: Percentage of Vtrans roads storm drain inspections	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted. See Tab 6.3.a for a list of documents maintained and updated. See Tab 6.3.a for a summary of corrective actions. VTrans is continuing to implement good housekeeping measures. Sept. 1, 2022 through June 1, 2023 VTrans usage: Salt: 115,897.55 tons, Sand: 2,976.25 cubic yards, Liquid Salt: 1,584,870.29 gallons, Liquid De-Icer: 74,608 gallons At a minimum Vtrans will conduct street sweeping on 2,000 lane miles per year. At a minimum Vtrans will conduct road storm drain inspections on 100% of Vermont roads within the	when relevant Ongoing	
F.3.a	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered Maintain and update facility documents annually Summarize corrective actions that have taken place at facilities: Implement good housekeeping measures and consider development of additional measures. Indicate: Total volumes of salt and sand usage for winter road maintenance: Total number of lanes miles street sweeping was conducted on: Percentage of Vtrans roads storm drain inspections were conducted on: Number of slope stabilization and erosion repair projects completed:	S of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted. See Tab 6.3.a for a list of documents maintained and updated. See Tab 6.3.a for a summary of corrective actions. VTrans is continuing to implement good housekeeping measures. Sept. 1, 2022 through June 1, 2023 VTrans usage: Salt: 115,897.55 tons, Sand: 2,976.25 cubic yards, Liquid Salt: 1,584,870.29 gallons, Liquid De-Icer: 74,608 gallons At a minimum Vtrans will conduct street sweeping on 2,000 lane miles per year.	when relevant Ongoing	
F.3.a	If phosphorus fertilizer is used for turf management, perform an annual soil test and provide a copy of test results to ANR. 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. Continue to conduct trainings and inspections at facilities currently covered Maintain and update facility documents annually Summarize corrective actions that have taken place at facilities currently covered that the state of the conditions	5 of the 20 SWPPPs required in the permit term have been developed	If relevant, VTrans will included annual soil test results in the annual report. No soil tests were performed in 2023. In 2023 five garage SWPPP's were created for West Danville, Highgate, St. Johnsbury, Williamstown, and Morrisville. See Tab 6.3.a for a list of trainings and inspections conducted. See Tab 6.3.a for a list of documents maintained and updated. See Tab 6.3.a for a summary of corrective actions. VTrans is continuing to implement good housekeeping measures. Sept. 1, 2022 through June 1, 2023 VTrans usage: Salt: 115,897.55 tons, Sand: 2,976.25 cubic yards, Liquid Salt: 1,584,870.29 gallons, Liquid De-icer: 74,608 gallons At a minimum Vtrans will conduct street sweeping on 2,000 lane miles per year. At a minimum Vtrans will conduct road storm drain inspections on 100% of Vermont roads within the permit term.	when relevant Ongoing	

TAB 6.1: Trainings Summary

Section 6.0 Minimum Control Measures: Construction and Operational Stormwater					
Class Title	Total Attendance	Target Audience			
Maintenance Training Series: Roadway Drainage	4	VTrans staff			
Math Basics for Maintenance Technicians	2	VTrans staff			
PCC Pavement Preservation Series: Retrofitted Edge Drains	1	VTrans staff			
Construction Stormwater Field Guide Training	6	VTrans staff			
Environmental Triggers: Water Resources	2	VTrans staff			
Rivers & Roads Tier I	43	VTrans staff			
Rivers & Roads Tier II	39	VTrans staff			
Rivers & Roads Tier III - Floodplain Restoration	14	VTrans staff			
Highways & Habitats Tier I	20	VTrans staff			
Highways & Habitats Tier II	12	VTrans staff			
GSI with the City of South Burlington	1	VTrans staff			

Section 6.0 Minimum Control Measures: Hazardous Materials, SPCC, Spill Prevention and Response		
Class Title	Total Attendance	Target Audience
HazCom: Emergency Spill Response and Reporting		Hwy Maintenance districts and central
	86	garage staff; state-wide
Spill Prevention, Control, and Countermeasures		Hwy Maintenance district garage staff,
	86	State Airport FBOs,

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					
E. Dorset Garage	2	Garage Staff					
Wilmington	2	Garage Staff					
Bennington	1	Garage Staff					
Ludlow	1	Garage Staff					
Rutland CG	1	Garage Staff					
Mendon	2	Garage Staff					
Clarendon	1	Garage Staff					
Castleton	1	Garage Staff					
Sudbury	1	Garage Staff					
Colchester Fort Ethan Allen	4	Garage Staff					
Colchester Chimney Corners	3	Garage Staff					
Middlebury	3	Garage Staff					
New Haven	2	Garage Staff					
Middlesex	1	Garage Staff					
Waitsfield	1	Garage Staff					
St. Albans Town	2	Garage Staff					
Eden	2	Garage Staff					
Enosburg	3	Garage Staff					
Montgomery	3	Garage Staff					
Cambridge	2	Garage Staff					
Central Garage	2	Garage Staff					
North Montpelier	1	Garage Staff					
Irasburg	1	Garage Staff					
Ascutney	1	Garage Staff					
Rockingham	2	Garage Staff					

Section 6.3.a Minimum Control Measures: Facility Documents Maintained and Updated					
Document Name					
E. Dorset Garage					
Wilmington					
Bennington					
Ludlow					
Rutland CG					
Mendon					
Clarendon					
Castleton					

Sudbury	
Colchester Fort Ethan Allen	
Colchester Chimney Corners	
Middlebury	
New Haven	
Middlesex	
Waitsfield	
St. Albans Town	
Eden	
Enosburg	
Montgomery	
Cambridge	
Central Garage	
North Montpelier	
Irasburg	
Ascutney	
Rockingham	
St.Johnsbury	
Highgate	
West Danville	
Williamstown	
Morrisville	
	res: Corrective Actions Identified at Facilities
Facility	Corrective action identified
	Add stone to keep a discharge
	point stable before next
St. Albans Town	annual inspection
	Add stone to drainage swale
Eden Garage	before next annual inspection

TAB 7.0: Industrial Activities Summary

TAD 7.0. Illudatiful Activities Sullilliary					
Facility Name	Permit Number	Sector	Inspection/Training Date	Attendance	Corrective Action
W.H. Morse Air	4579-9003.R	S	8/9/23	2	
E.F. Knapp Air	4582-9003.R	S	6/12/2023	3	
Rutland Air	3769-9003.R	S	8/22/23	2	
Newport Air	3836-9003.R	S	6/21/2023	3	
Franklin Cnty Air	3065-9003.R	S	07/06/2023	3	
Caledonia Air	3896-9003.R	S	06/16/2023	3	
Middlebury Air	4581-9003.R	S	9/11/23	1	
Morrisville - Stowe Air	4272-9003.R	S	8/29/23	1	Fuel farm under construction. When complete, SWPPP will be updated
Hartness Air	4580-9003.R	S	6/28/23	4	
J.H. Boylan Air	4574-9003.R	S			
E. Dorset Pit	4576-9003.R	J	8/24/23	2	
Hinesburg Pit	4577-9003.R	J	10/02/2023	3	
Calais Pit	6054-9003.R	ı	10/21/2023	2	

| Separate TAB 8.0: Operational Stormwater Management System Annual Inspections Summary TAB 5.0 Operational Stormwater Management System Annual Inspections Summary
Fermit Name
Alburg Swanton Mississpoil Bay Bridge
Baskerfield 17 PS-SPE(11)
Barra Town HS 508-1188 [Youndsboot]
Barra Town HS 508-1188 Year Regional Stormwater Tech 2023 Northwestern VT Tyler Hanson
2023 N Mowing needed
Mowing needed
Mowing needed
Gean out and restone erosion area on far swale, remove sediment from blocking culvert Vegetation to be cut before the 2024 annual inspection Vegetation to be cut before the 2024 annual inspection Vegetation to be cut before the 2024 annual inspection Cleanout to be completed in 2024 Burk BS (2059()) Bridge Replacemen
Cabbot Couville FCF (CPB3-1)(6) (1
Cabbot Chuville FCF (CPB3-1)(6) (1
Cabbot Chuville FCF (CPB3-1)(6) (2
Cabbot Chuville Durmenton Grang Stormwater Improvements
East Montplies Biol 501-12(1) (VTL4 Brittenset)
East Montplies Biol 501-12(1) (VTL4 Brittenset)
East Town STP 5400(5)
Ferniburgh 101-14(1) (STP
Ferniburgh 101-14(1) (STP
Ferniburgh Marin Facility
Ferniburgh Marin Facility
Ferniburgh Marin Facility
Ferniburgh Parks And Ride CMC (155C (Plat)
Grotten F 000-11(1) (SR 000-11(1))
Guilford Weigh Station BM 091-1(25)
Hurtland 88(5) (ST) (ST)
Hurtland 88(5) (ST) (ST) No Yes Slight sediment in swale by store. Needs re-seeding. To be reseeded and cleaned before the 2024 annual inspection Hartland BRS 0113 (21) Hartness State Airport Proposed Hangars Highgate D8 Highway Maintenance Facility Hartness Male Amport Projected Hangins

Hargingte De Bingwiss Manieranure Facility

Hargingte De Singwiss Manieranure Facility

Hargingte De Hargins Manieranure Facility

Hargingte Park HS 010-1221 (contabout

Jerich ST PH 85 03-1221) (contabout

Jerich ST 100-1221) (contabout

Jerich ST 100-Stone needed at pond inlet Cut/mow western south bound side of road Inlet to be stabilized before the 2024 annual inspection To be cut before the 2024 annual inspection Sheldon HES 034-1(17) Reconstruction
Springfield CMG PARK(32)
Stockbridge BRF 022-1(20)
Troy RS 0311(1)
Vergennes-Ferrisburgh F 017-1(5) 22A

TAB 9.1: Flow Restoration Plan (FRP) Implementation Summary

THE SIZITION RESID	oration Plan (FKP) implementation :						BMP Track	ing Specification	1				Design, Constructi	ion and Maintence			
											If upgrade,						
											enter						
											previous						
							Impervious			Is this an	storage						
TCA FDD Halana DEG	ID Durlant Name	110	Responsible	Annillantia CDD	Existing SW permit number (Latitude Longitude applicable)			vious area Stor		tion upgrade to an		Cost Estimate (if available) BMP status	Date of Planned	B. 4	Date of last Maintence	VIT C 40 2040	VT C
TS4_FRP_Unique DEC Allen 42	Rest Area Pond Retrofit	VTrans / VT BGS	Party Vtrans TS4	Applicable FRP Allen Brook	Latitude Longitude applicable) 44.437353 -73.079423 1-0963	BMP Type (See BMP definitions Tab) Extended Dry Detention pond	(acres) trea	22.38	29.172	/hr) exiting BMP?	(cuft) NA	\$158,000 Complete	Construction 2018-2019		inspection needed? 4/18/2023	VTrans Comments_10-2018	VTrans Comments_04-2019
Allen 60	Town Office	VTrans	Vtrans TS4	Allen Brook	44.437353 -73.079423 1-0963 44.4318979 -73.07751906 NP	Median Filter	0.37	1.86	2,660	No.	NA NA	\$32,000 Complete	2018-2019	2020 2020	4/18/2023		
Allen 70	WCA 1	VTrans	Vtrans TS4	Allen Brook	44.43388963 -73.07019961 NP	Median Filter	0.68	3.56	7.643	No	NA NA	\$92,000 Complete	2018-2019	2020	4/18/2023		
Allen 61	WCA 2	VTrans	Vtrans TS4	Allen Brook	44.4356164 -73.07990611 NP	Median Filter	0.44	2.08	1,852	No	NA	\$25,000 Complete	2018-2019	2020	4/18/2023		
Allen_72	WCA_3	VTrans	Vtrans TS4	Allen Brook	44.43591911 -73.08167008 NP	Median Filter	0.55	1.76	1,318	No	NA	\$25,000 Complete	2018-2019	2020	4/18/2023		
Allen_73	WCA_4	VTrans	Vtrans TS4	Allen Brook	44.43624166 -73.08392315 NP	Median Filter	0.71	2.54	4,404	No	NA	\$53,000 Complete	2018-2019	2020	4/18/2023		
Allen_67	VTrans Median A	VTrans	Vtrans TS4	Allen Brook	44.43829316 -73.10417361 NP	Median Filter	0.30	0.98	5,040	No	NA	\$60,000 Complete	2018-2019	2020	4/18/2023		
Allen_68	VTrans Median B	VTrans	Vtrans TS4	Allen Brook	44.43819862 -73.10312242 NP	Median Filter	0.21	0.52	3,390	No	NA	\$41,000 Complete	2018-2019	2020	4/18/2023		
Allen_62	VTrans Median E	VTrans	Vtrans TS4	Allen Brook	44.4335011 -73.06392831 NP	Median Filter	0.30	0.87	3,642	No	NA	\$44,000 Complete	2018-2019	2020	4/18/2023		
Allen_63	VTrans Median F	VTrans	Vtrans TS4	Allen Brook	44.43344021 -73.06275939 NP	Median Filter	0.20	0.86	3,705	No	NA	\$44,000 Complete	2018-2019	2020	4/18/2023		
Allen_64	VTrans Median G	VTrans	Vtrans TS4	Allen Brook	44.43339663 -73.06126436 NP	Median Filter	0.32	1.22	5,090	No	NA	\$61,000 Complete	2018-2019	2020	4/18/2023		
Allen_65	VTrans Median H	VTrans	Vtrans TS4	Allen Brook	44.43336843 -73.05968678 NP	Median Filter	0.25	1.05	4,902	No	NA NA	\$59,000 Complete	2018-2019	2020	4/18/2023		
Allen_66 Bartlett 28	VTrans Median I Bartlett Bay Treatment System (E	VTrans	Vtrans TS4	Allen Brook Bartlett Brook	44.43334124 -73.05811081 NP 44.42345911 -73.20979163 5625-9010, 2-0180, 2-0153	Median Filter Wet pond/ Created Wetland	0.37 9.18	1.29 6.88	5,846 23,958	No Yes	NA	\$70,000 Complete \$378,000 Final Design	2018-2019 2018-2019	2020	4/18/2023		
Rugg_13	SDC27	VTrans	Vtrans TS4	Rugg Brook	44.42343911 -73.20979163 5625-9010, 2-0160, 2-0153	Median Filter	0.43	1.19	2,762	No.	NA	\$18,000 Complete	2020-2022	2023	5/22/2023		
Rugg_2	SDC280	VTrans	Vtrans TS4	Rugg Brook	44.786703 -73.072319 NP	Median Filter	0.37	1.76	2,741	No	NA NA	\$18,000 Complete	2020-2022	2023	5/22/2023		
Rugg_3	SDC29	VTrans	Vtrans TS4	Rugg Brook	44.781798 -73.073291 NP	Median Filter	0.41	1.84	2,358	No	NA	\$15,000 Complete	2020-2022	2023	5/22/2023		
Rugg_12	SDC342	VTrans	Vtrans TS4	Rugg Brook	44.780473 -73.073556 NP	Median Filter	0.31	1.29	2.358	No	NA	\$15,000 Complete	2020-2022	2023	5/22/2023		
Rugg_11	SDC347	VTrans	Vtrans TS4	Rugg Brook	44.783058 -73.073026 NP	Median Filter	0.30	1.10	2,608	No	NA	\$17,000 Complete	2020-2022	2023	5/22/2023		
Rugg_14	SDC83a	VTrans	Vtrans TS4	Rugg Brook	44.785364 -73.072583 NP	Median Filter	0.27	1.44	2,534	No	NA	\$16,000 Complete	2020-2022	2023	5/22/2023		
Rugg_10	SDC83b	VTrans	Vtrans TS4	Rugg Brook	44.784141 -73.072811 NP	Median Filter	0.36	1.44	3,339	No	NA	\$22,000 Complete	2020-2022	2023	5/22/2023		
Rugg_4	SDC87	VTrans	Vtrans TS4	Rugg Brook	44.778277 -73.073984 NP	Median Filter	0.92	4.00	5,579	No	NA	\$36,000 Complete	2020-2022	2023	5/22/2023		
Stevens_19	Fairfield Rd / I-89	VTrans	Vtrans TS4	Stevens Brook	44.8014174 -73.05835728 NP	Extended Dry Detention pond	2.07	26.85	29,795	No	NA	\$109,000 Complete	2020-2022	2023	5/22/2023		
Stevens_18	Median A1	VTrans	Vtrans TS4	Stevens Brook	44.80969225 -73.06418466 NP	Median Filter	0.42	0.48	2,468	No	NA	\$27,000 Complete	2020-2022	2023	5/22/2023		
Stevens_17	Median A2	VTrans	Vtrans TS4	Stevens Brook	44.80849093 -73.06433417 NP	Median Filter	0.30	0.36	1,881	No	NA	\$21,000 Complete	2020-2022	2023	5/22/2023		
Stevens_7	SDC105b	VTrans	Vtrans TS4	Stevens Brook	44.80725051 -73.06447737 NP	Median Filter	0.53	0.46	2,333	No	NA	\$26,000 Complete	2020-2022	2023	5/22/2023		
Stevens_6	SDC105c	VTrans	Vtrans TS4	Stevens Brook	44.80585555 -73.06465071 NP	Median Filter	0.44	0.40	1,799	No	NA	\$20,000 Complete	2020-2022	2023	5/22/2023		
Stevens_8	SDC118	VTrans	Vtrans TS4	Stevens Brook	44.80435029 -73.06479914 NP	Median Filter	0.55	0.53	2,544	No	NA	\$28,000 Complete	2020-2022	2023	5/22/2023		
Stevens_9	SDC140b SDC408	VTrans	Vtrans TS4	Stevens Brook	44.80015068 -73.0662475 NP 44.80155009 -73.06556776 NP	Median Filter	0.50	0.50	2,359	No No	NA NA	\$26,000 Complete	2020-2022	2023	5/22/2023		
Stevens_10	SDC408 SDC98b	VTrans VTrans	Vtrans TS4 Vtrans TS4	Stevens Brook Stevens Brook	44.80155009 -73.06556776 NP 44.80286536 -73.0651057 NP	Median Filter Median Filter	0.47 0.42	0.47	2,047 1.968	No No	NA NA	\$23,000 Complete \$22,000 Complete	2020-2022 2020-2022	2023 2023	5/22/2023 5/22/2023		
Stevens_11 Rugg_5	Exit 19 South	VTrans	Vtrans TS4	Rugg Brook	44.80286536 -73.0651057 NP 44.791849 -73.067647 NP	Extended Dry Detention pond	3.78	0.43 54.16	90.169	No No	NA NA	\$22,000 Complete \$270,000 Complete	2020-2022	2023	5/22/2023		
Centennial 33	I-89 Cloverleaf (NE)	VTrans	Vtrans TS4	Centennial Brook	44.469863 -73.183543 NP	Underground Detention Chamber	13.80	25.38	102,584	No	NA NA	\$432,000 Final Design	2023-2025	2023	3/22/2023		
Potash 183	Exit 13	VTrans	Vtrans TS4	Potash Brook	44.45383471 -73.18311342 NP	Gravel Wetland	4.77	11.95	24,699	No	NA NA	\$219,000 Final Design	2023-2025				
Potash_184	Exit 14	VTrans	Vtrans TS4	Potash Brook	44.46827172 -73.18502522 NP	Gravel Wetland	1.81	3.09	12,807	No	NA	\$131,000 Final Design	2023-2025				
Potash 186	I-89 Swale	VTrans	Vtrans TS4	Potash Brook	44.44648759 -73.15179558 NP	Median Filter	1.80	4.48	23,130	No	NA	\$129,000 Final Design	2023-2025				
Potash_22	189 Cloverleaf	VTrans / Town	Vtrans TS4	Potash Brook	44.44426543 -73.20950221 NP	Extended Dry Detention pond	11.53	9.72	49,179	No	NA	\$59,000 Final Design	2023-2025				
Indian_34	I-289/Route 15 North	VTrans	Vtrans TS4	Indian Brook	44.50803675 -73.08936891 NP	Median Filter	0.85	1.93	5,271	No	NA	\$34,000 Final Design	2023-2025				
Indian_35	I-289/Route 15 South	VTrans	Vtrans TS4	Indian Brook	44.50657713 -73.08711915 NP	Median Filter	0.76	1.39	4,443	No	NA	\$29,000 Final Design	2023-2025				
Rugg_8	I-89 / Holyoke Farm	Town / VTrans	Vtrans TS4	Rugg Brook	44.77508504 -73.0709442 NP	Infiltration Trench	0.50	61.33	62,117	No	NA	\$185,000 Planned	2026-2027				
Rugg_45	SASH / Federal St Connector	City/ VTrans	Vtrans TS4	Rugg Brook	44.8003766 -73.08386499 NP	Extended Dry Detention pond	4.89	16.23	15,682	No	NA	\$35,000 Planned	2026-2027				
Rugg_6	Access Rd. East	VTrans	Vtrans TS4	Rugg Brook	44.79429144 -73.0650501 NP	Extended Dry Detention pond	2.75	82.38	79,279	No	NA	\$410,000 Planned	2026-2027				
Rugg_7	Access Rd. West	VTrans	Vtrans TS4	Rugg Brook	44.79811421 -73.07577987 Drains Portion of 1-1428	Extended Dry Detention pond	0.55	13.15	28,401	Yes	Drains Portio	\$125,000 Planned	2026-2027				
Stevens_16	Upper Fairfield Hill Rd	VTrans (Taxas	Vtrans TS4	Stevens Brook	44.797331 -73.052788 NP	Extended Dry Detention pond	3.36	30.90	55,757	No	NA	\$164,000 Planned	2026-2027				
Potash_159 Indian 27	Dorset St / 189 Ramps	VTrans / Town	Vtrans TS4 Vtrans TS4	Potash Brook Indian Brook	44.45249613 -73.17968065 NP 44.50098191 -73.09588351 1-1074 SN002	Extended Dry Detention pond	5.57 4.13	3.79	15,159 28.967	No	NA 1-1074 SN00:	\$101,000 Planned	2026-2027 2028-2029				
Potash 157	Fairview Dr Queen City Pk Rd	Village/ VTrans/ Town VTrans / Town	Vtrans TS4	Potash Brook	44.50098191 -/3.09588351 1-1074 SN002 44.44493573 -/3.21152185 NP	Gravel Wetland Extended Dry Detention pond	4.13 2.92	25.27 3.59	19.689	Yes No	1-10/4 SN00.	\$290,000 Planned \$99,000 Planned	2028-2029				
Bartlett 26	1690 Shelburne Rd	VTrans/ South Burling		Bartlett Brook	44.425328 -73.21132183 NP	Underground Detention Chamber	0.42	0.39	1.873	Yes	5625-9010	\$199,000 Planned	2028-2029				
Munroe 23	M08 Executive Dr Pond	Town/ VTrans	Vtrans TS4	Munroe Brook	44.412341 -73.21177788 1-1291	Extended Dry Detention pond	21.34	69.76	23.348	Yes	1-1291	\$25,000 Planned	2030-2031				
Munroe 36	Across from Tractor Supply	Town/ VTrans	Vtrans TS4	Munroe Brook	44.411013 -73.2177788 F1231	Gravel Wetland	3.77	3.01	23,697	No	NA NA	\$480,000 Planned	2030-2031				
Munroe 34	By Danform Shoes	Town/ VTrans	Vtrans TS4	Munroe Brook	44.402707 -73.21522753 NP	Underground Detention Chamber	2.84	2.06	6,316	No	NA NA	\$102,000 Planned	2030-2031				
Centennial 5	I-89 Outfall	VTrans	Vtrans TS4	Centennial Brook	44.472064 -73.182822 NP	Extended Dry Detention pond	2.82	10.25	125,017	No	NA	\$1,419,000 Planned	2032				
Moon_22	Randbury Rd	VTrans/ Town of Rutla	and Vtrans TS4	Moon Brook	43.587445 -72.967013 New Road Project (Constructi		10.95	12.15	35,937	No	NA	\$279,000 Planned	2032				
Sunderland_46	Tracy Rd.	VTrans/ Colchester	Vtrans TS4	Sunderland Brook	44.50377 -73.153877 6363-INDS	Infiltration Trench	3.89	1.08	18,513	Yes	6363-INDS	\$54,000 Planned	2032				
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TAB 9.2: Phosphorus Control Plan (PCP) Development Reporting

Milestone Date	Milestone	Progress Toward Meeting Milestone	Anticipated Schedule
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 incorperate 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)	See attachment D: Lake Champlain Basin Phosphorus Control Plan Progress Report Memo	Complete
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.		