



Annual Report for General Permit 3-9014 (2012) MS4

National Pollutant Discharge Elimination System (NPDES) Number: VTR040000 for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4)

and

Annual Report for Operational Stormwater Discharge Permits

- Permit No. 3028-9010.A (BTV's Master Permit)
- Permit No. 1-1391 (South Apron Expansion) – Expired, pending incorporation into MS4
 - Permit 1-0839 (Redirect Airfield Drainage to North Outfall) – Expired, pending incorporation into MS4
- Permit No. 3028-9010.2 – formerly Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G'); Muddy Brook Watershed
- Permit No. 3028-INDS.AR – formerly Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G'); Potash Brook Watershed
- Permit No. 3028-9010.1– formerly Permit No. 3028-INDS.1 (Reconstruct, Mark & Groove Runway 15-33)
- Permit No. 3845-9010 – formerly Permit No. 3845-INDS.A (Heritage Flight Aviation Campus Expansion)
 - Permit No. 3028-9015.1 (Quarry Area Access Road)
 - Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station)
 - Permit No. 3845-9015.1 (Heritage Aviation Parking Lot)
- Permit No. 3028-9015.2 (Construct, Mark, and Light Taxiway "G"/"K")

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1.0 CONSOLIDATION OF REPORTING

The City of Burlington, Burlington International Airport (herein referred to as BTV) currently is subject to eleven operational Stormwater Discharge Permits, a General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (3-9014 (2012), MS4), a Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity (3-9003, MSGP), and a comprehensive *Stormwater Management Program (SWMP)*. Since the last reporting period, six new operational stormwater permits were issued. Four of these superseded a previous operational permit, while two are new operational permits. Two expired permits are pending incorporation into the MS4 authorization (see Appendix I for a summary).

Permit compliance conditions vary for each permit according to the date of issuance, permitting rules at the time of issuance, number of discharge points, and whether the receiving water is impaired or not. Reporting requirements, including dates of submission for Annual Reports, have varied widely in the past between the multiple permits.

In order to consolidate BTV's annual reporting requirements, a proposal was developed and subsequently agreed upon by Vermont Agency of Natural Resources, Stormwater Program personnel. The agreement provides for consolidation of Annual Reports including the multiple operational Stormwater Discharge Permits, General Permit 3-9014 (MS4), and General Permit 3-9003 (MSGP) to all be submitted on April 1 of each year. The first such consolidation occurred with submission of the annual reports for 2011 and dated April 1, 2012. It shall be noted that changes to submission deadline requirements for BTV's existing Underground Injection Control (UIC) Permits were not included under this consolidation.

It was initially proposed that in lieu of submitting separate Annual Reports (one for each separate permit), BTV was to submit a single comprehensive Annual Report including all required documentation for the eleven separate permits. However, during preparation of the initial 2011 report, it became clear that submitting the Annual Report for General Permit 3-9003 (MSGP) as a separate report provided for better organization.

For future reference, e-mail correspondence related to approval of consolidation of BTV's permit reporting is contained in Appendix A of the 2011 annual report entitled *Annual Report for General Permit 3-9014 (MS4) and Annual Report For Operational Stormwater Discharge Permits* dated April 1, 2012.

2.0 ANNUAL REPORT FOR GENERAL PERMIT 3-9014 (2012) MS4

2.1 INTRODUCTION

In accordance with Section V. C. Reporting, contained in General Permit 3-9014, the Burlington International Airport (BTV) is required to submit an annual report overviewing the status of compliance with permit conditions by April 1 of each year of the permit term.

2.1.1 Background

The 1987 Amendment to the Federal Clean Water Act (CWA) of 1972 (CWA 402(p)(5)) directed the Environmental Protection Agency (EPA) to address the problems of flooding, water pollution and public health threats caused as a result of stormwater runoff from developed lands or as commonly termed, urban stormwater runoff. This runoff from roads, rooftops and other impervious surfaces associated with developed lands causes erosion/property damage; endangers or destroys aquatic wildlife and wildlife habitats; causes unhealthy algal blooms; and endangers public health via contact during recreation sports by contaminating source water used for public water supplies.

The CWA required that the EPA address urban stormwater runoff in a phased approach starting with the largest urban areas in the United States based on population census data. In November 1999, the EPA issued new federal stormwater regulations known as the Phase II Stormwater Rule for metropolitan areas of less than 100,000 people.

Under the Phase II Rule, nine municipalities in Vermont with municipal separate storm sewer systems (MS4) are required to seek coverage under the MS4 General Permit or apply for an individual permit. These are Burlington, South Burlington, Colchester, Milton, Winooski, Essex, Essex Junction, Williston and Shelburne. In addition to these municipalities, three publicly owned, non-traditional separate storm sewer systems have also been designated and are required to seek coverage. These systems are owned or operated by the University of Vermont, Burlington International Airport (BTV), and the Vermont Agency of Transportation.

The MS4 General Permit is a National Pollutant Discharge Elimination System (NPDES) permit and has a five-year permit term. The requirements of this MS4 General Permit apply to areas served by each MS4 that are located within either the U.S. Census Bureau designated urban area (UA) or watersheds that are principally impaired by stormwater and so classified by the Vermont Agency of Natural Resources, Department of Environmental Conservation (DEC).

As a permit condition, each MS4 must develop, implement and enforce a Stormwater Management Program (SWMP) designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate



water quality requirements of the Clean Water Act. 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".

The SWMP must be developed and implemented by the expiration date of the MS4 permit, and must include information for the minimum control measures as described in the permit.

There are six minimum control measures required of each designated permittee under the MS4 General Permit: (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*, and (6) *Pollution Prevention/Good Housekeeping*.

Each MS4 must also comply with certain special conditions, including: *Water Quality Controls for Discharges to Impaired Water bodies*, *Consistency with Total Maximum Daily Load (TMDL) Requirements and Source Water Protection requirements*.

In June 2003, BTV filed a Notice of Intent for General Permit 3-9014. The Notice of Intent (NOI) included a narrative that outlined how BTV planned to comply with the six minimum control measures and special conditions noted above. Subsequently, BTV submitted an updated NOI and complete SWMP in April, 2008. Since submittal of the 2008 NOI, BTV has implemented many of the Best Management Practices (BMP's) proposed under the six minimum measures.

In accordance with Section V. C. Reporting, of General Permit 3-9014, BTV is required to submit an annual report discussing the status of compliance with the permit by April 1 of each year as noted above. Conditions set forth in Section V. C. Reporting, are listed below with descriptions of the current status of each requirement noted.

The Vermont Department of Environmental Conservation (DEC) issued General Permit 3-9014 (2012) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) on December 5, 2012. Designed to address pollution from stormwater runoff, the re-issued MS4 permit applies to thirteen municipalities and three institutional entities in the Lake Champlain watershed. As previously noted, communities already subject to the 2003 MS4 General Permit include Burlington, Colchester, Essex, Essex Junction, Milton, Shelburne, South Burlington, Williston and Winooski, as well as the non-municipal or non-traditional entities including the Burlington International Airport, the University of Vermont, and the Vermont Agency of Transportation within the geographical boundaries of these municipalities.

In addition to the communities noted above, which need to meet the new requirements of the updated permit, the DEC has designated Rutland town and city, and St. Albans town and city as new MS4s subject to the requirements of the newly issued General Permit 3-9014 (2012). The primary additional condition of General Permit 3-9014 (2012) is the requirement to develop and submit a Flow Restoration Plan (FRP) for the portion of each stormwater-impaired watershed located within a permittee's boundaries.

**BURLINGTON INTERNATIONAL AIRPORT
ANNUAL REPORT FOR GENERAL PERMIT 3-9014 (2012) MS4 AND
ANNUAL REPORT FOR OPERATIONAL STORMWATER DISCHARGE PERMITS**

APRIL 1, 2016

BTV was re-authorized under General Permit No. 3-9014 (2012) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) on October 1, 2013. Per the re-authorized permit, BTV is also required to submit a report on a semi-annual basis on the development and implementation of the FRP. The FRP report is to be submitted every year on October 1 and every year on April 1 with the facility's Annual MS4 Report. The FRP development and implementation schedule is presented in Table 1 below.

Table 1: Flow Restoration Plan Development and Implementation Schedule

Due Date	Compliance Item
January 2, 2014	Submit to the Secretary for approval a plan for meeting the requirements of IV.C.1(e)(7) (flow monitoring plan).
April 1, 2014	Submit Annual Report and FRP Report
	Submit to the Secretary for approval a plan for addressing expired state stormwater permits discharging to the permittee's MS4 system.
	Identify the process the permittee intends to use to meet the requirements of IV.C.1 (development of FRP).
	Submit verification of implementation of the flow monitoring plan, per IV.C.1(e)(7).
October 1, 2014	Submit FRP Report
April 1, 2015	Submit Annual Report and FRP Report
October 1, 2015	Submit FRP Report
	Submit a report verifying that all existing stormwater systems with expired permits are now in compliance with the existing expired permit or subject to a NPDES RDA permit, including verification that all required maintenance has been performed.
October 1, 2015	Begin developing a LID technical assistance program for landowners
	Submit a report on how the permittee is protecting and regulating development in stormwater impaired stream corridors
	Submit a plan for enhanced protection of stormwater impaired stream corridors
April 1, 2016	Submit Annual Report and FRP Report
October 1, 2016	Submit FRP Report
	Submit a complete FRP to the Secretary for approval
April 1, 2017	Submit Annual Report and FRP Report
Subsequent Submittals October 1 and April 1	Continue to submit Semi-Annual and Annual Reports until the Agency issues a new Authorization to Discharge under a reissued MS4 permit or its replacement.

A copy of BTV's re-authorization under General Permit No. 3-9014 (2012) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) dated October 1, 2013 is contained in **Appendix A**.



2.2 DISCHARGES TO IMPAIRED WATERS

Impaired waters are those waters that the Secretary of the VT ANR has identified pursuant to Section 303(d) of the Clean Water Act as not meeting the Vermont Water Quality Standards. As part of the re-authorized General Permit 3-9014 (2012) MS4 permit requirements, each MS4 must evaluate, monitor, and develop plans for each discharge to an impaired water with approved Total Maximum Daily Loads (TMDL), and to impaired waters for which a TMDL has not yet been approved by the Secretary of the Vermont Agency of Natural Resources (VT ANR) or the U.S. Environmental Protection Agency (EPA).

BTV currently discharges stormwater runoff to one impaired water of the State. Potash Brook is an impaired waterway with an approved TMDL. Five outfalls (POO1, POO2, POO5, POO6, and POO7) discharge to Class 2 wetlands contiguous to Potash Brook.

Muddy Brook was previously listed as an impaired water without an approved or established TMDL. However, on September 30, 2014, the EPA approved Vermont's 2014 303(d) List of Waters in a letter to Commissioner Mears. In that letter, EPA approved the delisting of Muddy Brook from its mouth to 7 miles upstream, including the BTV area. Subsequently, the final 303(d) List was issued and dated September, 2014, and Muddy Brook is therefore no longer considered an impaired water. The one outfall (DO 18) that discharges to Muddy Brook is thus no longer required to be monitored as an impaired water.

2.2.1 Discharges to Impaired Waters with an Approved TMDL (Flow Restoration Plan) (Reporting Condition IV.C.2.)

Potash Brook is an impaired water with a Total Maximum Daily Load (TMDL) that was approved by EPA on December 19, 2006. For the Potash Brook TMDL, stormwater runoff volume is being limited overall and allocated among sources.

As noted, BTV has five outfalls that discharge to Class 2 wetlands contiguous to Potash Brook.

Table 1 below gives the overall Potash Brook TMDL allocation for the high flows only. EPA does not consider the low flow targets applicable to an allocation scenario, and thus they were not presented as such in the TMDL. It is noted that even though the low flow targets are not part of the formal TMDL allocation, VT DEC remains committed to retaining these low flow targets within the overall remediation plan for the watershed.

Table 2: Potash Brook TMDL High Flow Allocation at Q0.3%.

Allocation Type	Location	TMDL %	Total %
Wasteload Allocation	Stormwater reduction from current Urban/Developed areas	-14.6%	-16.5%
	Additional stormwater flow reduction from Urban/Developed areas to account for future growth	-1.9 %	
Load Allocation	Stormwater reduction from Agriculture/Open areas		-1.4%
Total Potash Brook watershed stormwater flow reduction allocation at Q0.3%			-17.9 %

BTV has five outfalls that drain to a Class 2 wetland, contiguous with a tributary to Potash Brook. Potash Brook in turn drains to Lake Champlain. The outfall locations are depicted on the Site Drainage Map entitled "*Burlington International Airport, Multi-Sector General Permit (MSGP)*" contained in the facility's SWPPP. These five outfalls are located at the southern end of the BTV property site. Discharge point PO05 is also a sampling point for Benchmark Monitoring as a condition of BTV's General Permit 3-9003 MSGP. Discharge point PO01 has been plugged and buried, and no longer serves as a discharge point for stormwater runoff.

2.2.1.1 Flow Restoration Plan

The following are key elements or milestones in development and implementation of BTV's overall Flow Restoration Plan.

- Develop and submit a Flow and Precipitation Monitoring Plan.
(ref. Section IV. C. 1. (e) (7))
- Develop and submit a plan for addressing BTV's two expired state stormwater permits, Stormwater Discharge Permit Nos.1-0839 and 1-1391.
(ref. Section IV. C. 1. (e) (3))
- Identify the process BTV intends to use for development and submission of a FRP.
(ref. Section IV. C. 1. (e) (1))
- Submit verification of implementation of the Flow and Precipitation Monitoring Plan.
(ref. Section IV. C. 1. (e) (7))

2.2.1.2 Reporting Condition IV.C.1.(e)(7) - Flow and Precipitation Monitoring Plan

A Flow and Precipitation Monitoring Plan was submitted on January 2, 2014 to VT ANR for review and approval.

Status:

BTV is cooperatively pursuing an MS4 flow monitoring program with Chittenden County's other MS4 entities in compliance with NPDES General Permit 3-9014, Section IV. C. 1. (e) (7). This group has drafted a Memorandum of Agreement with a private consultant to install, maintain, and collect data and report for all flow monitoring stations, in order to obtain compliance with the flow monitoring requirements of their MS4 permits. Under the proposed flow monitoring program, eleven stream gauge stations would be established and maintained for a period of three years with an option for two additional years. Establishment and maintenance of the stream gauge stations will begin in 2016.

- Further discussion is provided in Section 2.2.1.5 below

2.2.1.3 Reporting Condition IV.C.1.(e)(3) – Expired Stormwater Permits

BTV has two expired state stormwater permits, Stormwater Discharge Permit No.1-0839 (Redirect Airfield Drainage to North Outfall and Taxiway 'A' Improvements) and Stormwater Discharge Permit No.1-1391 (South Apron Expansion).

General Permit No. 3-9014 (2012) requires MS4's that discharge to stormwater impaired streams to prepare a FRP to meet the stormwater TMDLs and Water Quality Standards for those streams. As part of this process, plans for addressing those facilities with expired state stormwater permits discharging to an impaired stream must be submitted to VT ANR for review and approval. BTV may incorporate the noted expired facilities into their authorizations under the General Permit No. 3-9014 (2012) MS4. BTV's plan for addressing the expired permits must ensure that all permitted facilities demonstrate compliance with the existing expired permit, at a minimum, and ensure that these facilities will be incorporated into the FRP.

BTV may incorporate a facility with an expired permit into its authorization under the General Permit No. 3-9014 (2012) by updating its approved SWMP in accordance with Section IV. J. 2., *SWMP Update*, as contained in the MS4 General Permit. This section requires that BTV notify VT ANR, in writing, of any changes adding components, controls, or requirements to the SWMP. The VT ANR, Stormwater Program will then prepare an MS4 Permit Amendment Form for BTV to complete. Subsequently, the VT ANR, Stormwater Program will review the completed form and, upon approval, will then amend the BTV's authorization to discharge under the General Permit No. 3-9014 (2012). The VT ANR, Stormwater Program will provide notice of the Amendment Form and a public comment period of 30 days.

Facilities with expired permits may be incorporated into an authorization under the General Permit No. 3-9014 (2012) if, at a minimum, the system meets the standards of the expired permit.

Status:



On September 30, 2015, BTV submitted a Notice of Intent to ANR formally seeking coverage of the two expired state stormwater permits noted above [Stormwater Discharge Permit No.1-0839 (Redirect Airfield Drainage to North Outfall and Taxiway 'A' Improvements) and Stormwater Discharge Permit No.1-1391 (South Apron Expansion)] under the re-authorized General Permit No. 3-9014 (2012) MS4. In addition to the NOI, this submittal included submission of Designer's Statement of Compliance certifications stating that the systems were constructed, and are currently operating and maintained, in accordance with the expired permits; revisions to Volume 1 of BTV's Stormwater Management Program (SWMP); and the application fee. BTV met its submittal deadline for this request; ANR is awaiting EPA's authorization of the Lake Champlain TMDL before it can issue a decision on the incorporation of the expired permits.

Currently, both Permit Nos.1-0839 and 1-1391 require quarterly inspections and annual reporting. Results of those inspections are contained herein under the section entitled *Annual Reports for Operational Stormwater Discharge Permits*.

2.2.1.4 Reporting Condition IV.C.1.(e)(1) – Identify Process for FRP Development

BTV discharges to Potash Brook, which is primarily located in the City of South Burlington. As an MS4, the City of South Burlington discharges to the same stormwater-impaired watershed (Potash Brook). MS4's that discharge into the same stormwater-impaired watershed may elect to cooperate to develop a single FRP for the watershed.

Status:

As stated in BTV's Flow and Precipitation Monitoring Program (Appendix B), BTV has joined all Chittenden County MS4's to cooperatively pursue an MS4 FRP, including flow and precipitation monitoring of Potash Brook. The FRP will be submitted to the VT ANR no later than three years after the date of issuance re-authorization of General Permit 3-9014 (2012) MS4 (i.e., October 1, 2016).

In addition, BTV has expressed intent to develop a single FRP for the Potash Brook watershed in cooperation with the City of South Burlington. The City is working to identify sites that may be applicable for development of BMP's to achieve the Potash Brook flow restoration targets. Once sites are identified, BTV and the City intend to move forward with cost sharing discussions. These discussions are anticipated to begin in 2016.

See **Appendix J** for additional guidance on the October 1, 2016 deadline.

2.2.1.5 Reporting Condition IV.C.1.(e)(7) – Flow Monitoring Program Verification

All MS4's that discharge to a stormwater impaired water are required to implement a flow and precipitation monitoring program. In compliance with the January 2, 2014 due date as noted in the General Permit 3-9014 (2012) MS4, BTV submitted a flow and precipitation monitoring program as noted in Section 2.2.1.2. above.



BTV is required to provide verification for implementation of the flow and precipitation monitoring program.

Status:

Background: The legislative bill, H. 650, entitled *An Act Relating to Establishing the Ecosystem Restoration and Water Quality Improvement Special Fund*, passed in 2014. This bill was intended to ensure compliance with the flow and precipitation monitoring requirements for MS4 communities while reducing the fiscal and other pressures on these communities. Under the bill, VT ANR was authorized to collect funds from MS4's to implement a comprehensive flow and precipitation monitoring program for MS4's that wish to participate. However, the bill did not specify how the funds would be collected, and at what cost to each of the participating MS4 communities.

The bill H. 650 passed both the House and Senate in 2014.

In 2015, this bill was incorporated into House Bill No.35. The bill passed on June 16, 2015 as Vermont Legislative Act 64, the Vermont Clean Water Act. In part, Act 64 authorizes the creation of the Clean Water Fund. The Fund will serve as a mechanism for financing the improvement of water quality in the State of Vermont.

MS4's are now eligible for grants and other financial assistance from the VT ANR Ecosystem Restoration Program, the Clean Water Fund, or any other State water quality financing program, regardless of whether the proposed project is a regulatory requirement of the MS4 permit program.

A Memorandum of Agreement (MOA) was developed by ANR to establish the Ecosystem Restoration and Water Quality Improvement Special Fund for regulated MS4 communities, including BTV. This MOA between ANR and the MS4 communities is intended to aid MS4 permittees in obtaining compliance with their flow monitoring requirements, and includes a cost to perform monitoring and data collection. The MOA was issued for Public Notice from November 17 to December 17, 2015. See **Appendix B** for a copy of the draft MOA and proposed fee structure.

Act 64 also contains a condition that all projects requiring an operational stormwater permit for discharges within the Lake Champlain watershed show no increase in phosphorus. This requirement took effect on October 1, 2015, and applies to all Individual Construction Stormwater Discharge Permits (INDCs) submitted after October 1, 2015. This requirement is in addition to the existing requirement to meet "net zero" in stormwater-impaired waters. The requirement applies to both new projects and renewal of existing permits.

2.2.2 Discharges to Impaired Waters without an Approved TMDL (Reporting Condition IV.C.2.)

In September 2014, Muddy Brook in the vicinity of BTV was officially removed from Vermont's 303(d) List of Waters. EPA approved Vermont's 2014 303(d) List of Waters in a letter to Commissioner Mears (dated September 30, 2014). In that letter, EPA approved the delisting of Muddy Brook from its mouth to 7 miles upstream, including the BTV area. Subsequently, the final 303(d) List was issued and dated September, 2014, and Muddy Brook is therefore no longer considered an impaired water. The one outfall (DO 18) that discharges to Muddy Brook is thus no longer required to be monitored as an impaired water, and BTV is no longer required to monitor that outfall annually for nutrients including Total Phosphorus and Total Nitrogen.

Status:

Muddy Brook is no longer listed as an impaired waterway.

2.3 MINIMUM CONTROL MEASURES (Reporting Condition V.C.1.)

The 2014 Annual Report includes the status of BTV's compliance with permit conditions, an assessment of the appropriateness of the identified BMP's, progress toward achieving the statutory goal of reducing the discharge of pollutants to the MEP, and the measurable goals for each of the minimum control measures and special conditions.

In accordance with Section V.C. Reporting, of General Permit 3-9014 (2012) MS4, BTV is required to submit an annual report discussing the status of compliance with the permit by April 1 of each year as noted above. Conditions set forth in Section V.C. Reporting (previously referenced in Section 5.3. under General Permit 3-9014 MS4 dated February 19, 2004) are listed below with descriptions of the current status of each requirement noted in **bold type**.

2.3.1 Six Minimum Control Measures

2.3.1.1 Minimum Control Measure #1 - Public Education and Outreach

1) BMP # 1: BTV will continue to work with the Chittenden County Regional Stormwater Education Program (RSEP) in the ongoing pursuit to educate the public as it relates to water quality issues.

Status: **Implemented.** **Appendix C** contains the RSEP Annual Review for the 2015 calendar year.

BTV has also provided an environmental page on the airport website. Links to the MS4 annual reports, the RSEP website and the City of Burlington stormwater management websites are included on the environmental page of the website. The environmental page address is <http://www.btv.aero/index.php/airport-guide/community-connection>



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Timeframe: Not applicable.

Measurable Goals: Stormwater changes public behavior. This change will be assessed through a behavior survey conducted by the RSEP approximately every 5 years. The contractor responsible for conducting the survey will report findings to the RSEP. **Appendix C contains the RESP Annual Review for the 2015 calendar year.**

Person(s) Responsible for BMP: The RSEP.

Rationale for Selection: With an ever increasing number of people utilizing the internet on a daily basis, a website is a cost effective way to reach the public and educate them about water quality related issues.

2.3.1.2 Minimum Control Measure #2 - Public Participation/Involvement

- 1) **BMP # 1:** The Chittenden County Regional Planning Commission (CCRPC) has created a Chittenden County Stream Team (CCST). This Team is in charge of community outreach related to stormwater issues.

Status: In the fall of 2009, the MS4 communities began to explore a collaborative approach to fulfilling their Minimum Control Measure #2 (MCM2) permit requirement. At the request of these MS4s, the Chittenden County Regional Planning Commission (CCRPC) applied for and received two grants totaling \$22,500. Using these grants, CCRPC assisted the MS4s in developing a regional pilot project called the Chittenden County Stream Team (CCST). In its pilot year, CCST created a logo, launched a website and Facebook page, surveyed local residents, hosted a number of workshops, and completed a variety of local projects. The success of the pilot project led to the formal adoption of the CCST program in 2011 by eleven of the MS4 communities including Burlington, South Burlington, Williston, Winooski, Shelburne, Milton, Essex, Essex Junction, the University of Vermont, VTrans and the Burlington Airport. The program was put out to bid and awarded to the Winooski Natural Resources Conservation District (WNRCD), a regional entity focused on natural resource protection and management. Since that time, under the guidance of the participating MS4s, the WNRCD has continued this role in fulfilling MCM2 requirement.

The Summary of Activities completed by the CCST for 2015 is contained in Appendix D. This includes a description of activities including social media summaries, partnerships, varied outreach activities, Connecting the Drops 3.0, and the Adopt-a Rain Garden Program.

Timeframe: Contingent on the goals and timeframes of those goals by the organization.

Measurable Goals: The program will engage citizens across an eight-town area in implementing programs to reduce non-point source pollution and stormwater volume at the local level to enable compliance by these MS4 permittees with MCM2. The program will utilize social networking tools to form a cadre of concerned citizens and professionals interested in hands-on activities to reduce the harmful effects of stormwater. The program will then organize a series of events and workshops to engage the Stream Team members and citizens at large in discussion and use of key Best Management Practices designed to address the negative effects of stormwater. The scope of services for the CCST is as follows:

1. Regular Tasks:

- Maintain Facebook page with regular postings;
- Maintain website with up to date information on stormwater related workshops and projects sponsored by CCST as well as other partners;
- Recruit and maintain volunteers from member communities, recruit neighborhood leaders to help spread the word and build esprit de corps by articulating the mission and vision of CCST, staying in touch with volunteers and keeping it fun!
- Organize quarterly Steering Committee meetings and communicate with members between meetings.



- Build relationships with and leverage expertise from other organizations working on water quality issues (i.e. Friends of the Winooski, Winooski Natural Resources Conservation District, Lake Champlain Committee, Green Up Day, Lake Champlain Basin Program) including potential joint sponsorship of workshops and projects.
2. Event-driven tasks
- Host a Spring kickoff event to get neighborhood leaders in touch with one another and excited about the upcoming field season;
 - Hold outreach events at spring farmers' markets or other spring/early summer events in three municipalities per year to continue to reach new volunteers;
 - Complete three workshops or projects in each year with at least one event in each of the areas of the full members over the five year permit period;
 - Provide guidance to volunteers on techniques and materials they can use to host their own projects or workshops.
3. Annual Tasks
- Prepare an annual summary including the number of events, number of participants and other measurable quantities showing how CCST met the MCM2 requirements that members can use in their annual reports to Vermont ANR.

Person(s) Responsible for BMP: The CCST.

Rationale for Selection: The CCRPC created a program to support and extend the stormwater mitigation efforts in the County's impaired waters. The CCRPC determined that their pilot project implemented from Spring 2010 through Spring 2011 was a success, and that momentum has carried forward with the designated CCST stormwater program.

2.3.1.3 Minimum Control Measure #3 – Illicit Discharge Detection and Elimination

- 1) **BMP # 1:** A plan to detect and eliminate all illicit discharges will be developed, implemented and enforced as part of the SWMP.

Status: **Completed.** A complete SWMP was submitted in April, 2008 for Vermont Agency of Natural Resources (VT. ANR) review, and subsequently approved. **The complete SWMP has been reviewed and updated in June, 2013 as part of the General Permit 3-9014 (2012) MS4 conditions. SWMP Volume 1 was updated September 30, 2015 as part of the NOI to incorporate expired permits under the MS4.**

Timeframe: The SWMP will be reviewed and updated (as required) by December 31st of each year.

Measurable Goals: Measurable goals of this BMP as outlined in the 2013 NOI, and status of these goals are as follows:

1) BTV will review and update the SWMP each year.

The Stormwater Pollution Prevention Plan (SWPPP), which is a component of the BTV's SWMP, was updated on April 1, 2012 to reflect re-authorization of General Permit 3-9003 (MSGP) dated August 4, 2012 and submitted for DEC review.

The SWPPP was again updated on April 1, 2013 to reflect the construction of one new BMP covered under Underground Injection Control (UIC) Permit # 6-0117 (Aircraft Deicing Fluid Treatment System, 890 Ramp).

The SWPPP was again updated on April 1, 2014 to reflect the construction of one new BMP covered under Stormwater Discharge Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station).

The SWPPP was updated on April 1, 2015 to include information regarding the change in status of Muddy Brook, as it is no longer considered an impaired water according to the *State of Vermont 2014 303(d) List of Waters, Part A – Impaired Surface Waters in Need of TMDL*.

The SWMP, Volume 1, was updated on September 30, 2015 as part of the request to incorporate expired stormwater permits into the General Permit 3-9014 (2012) MS4 authorization. The updates to Volume 1 included new information of the FRP, revisions to the Storm Sewer Mapping, and documentation of the expired permits.

The SWPPP was updated on April 1, 2016 to include minor mapping updates, as well as revised permit numbers.

No other major revisions to the SWMP were required as noted above.

2) BTV will complete outfall monitoring as outlined in the monitoring schedule contained in the SWPPP (see SWMP – Volume 2).

BTV has completed outfall monitoring in accordance with the SWPPP for the 2015 – 2016 de-icing season.

3) BTV will participate in annual trainings for airport staff and tenants provided by DEC.

BTV sent four employees to the municipal employee training workshop on September 17, 2015.

Person(s) Responsible for BMP: The Burlington International Airport's illicit discharge detection and elimination plan, and each of the associated activities, will be implemented and overseen by **the Stormwater Management Program Manager**, who is responsible for the overall coordination of the storm water management program at the

airport. BTV's Stormwater Management Program Manager is Gene Richards III, Director of Aviation.

Rationale for Selection: Development and implementation of a plan to detect and eliminate illicit discharges, as well as continuation of the ongoing BTV stormwater study program, are paramount to meeting and achieving the goals outlined in the MS4 General Permit.

2) BMP # 2: Attendees at weekly BTV security badging training sessions will be provided educational information, provided by the BTV Operation's staff, on stormwater pollution awareness and water quality issues as they affect the BTV facility.

Status: **The educational information content including slide(s) and discussion have been developed to date.**

Timeframe: **The educational information content including slide(s) and discussion has been developed. The additional educational information is now incorporated into the training content.**

Measurable Goals: **BTV will document the number of newly badged individuals who have received the educational information.**

Person(s) Responsible for BMP: The Burlington International Airport's illicit discharge detection and elimination program and each of the associated activities will be implemented and overseen by the **Stormwater Management Program Manager**, who is responsible for the overall coordination of the storm water management program (SWMP) at the airport.

Rationale for Selection: Providing education on stormwater pollution awareness and water quality issues affords prospective employees and tenants with knowledge of how the BTV site is interconnected with the surrounding environment, and in what way can their actions have a direct impact on that environment.

2.3.1.4 Minimum Control Measure #4 – Construction Site Runoff Control

1) BMP # 1: A plan to prevent or reduce pollutants in construction site runoff will be developed, implemented and enforced as part of the SWMP.

Status: **Completed. The Construction Site Runoff Control Plan is contained in SWMP, Volume 1 – Section 6.**

Timeframe: The SWMP will be reviewed and updated (as required) by December 31st of each year.

Measurable Goals: All new projects will be covered by the applicable State stormwater permit and/or conform to BTV policy.

BTV is now required to submit Individual Construction Stormwater Discharge Permit (INDC) applications rather than Construction General Permit (CGP) applications for all construction at the airport. BTV received four INDC Permit authorizations during the reporting period. These include:

- **Notice of Authorization #3028-INDC (Housing Removal on Airport-Acquired Land) was issued on April 23, 2015.**
- **Notice of Authorization #3028-INDC.1 (Construct, Mark, and Light Taxiway G/K, Phase 1 and Rehabilitate Terminal Apron, Phase 2) was issued on May 20, 2015**
- **Notice of Authorization #3028-INDC.1A (Construct, Mark, and Light Taxiway G/K, Phase 1; Rehabilitate a Portion of Terminal Apron, Phase 2; Heritage Aviation Parking Lot; Material to be removed from Marcelino Property and placed in the Airport Quarry) was issued September 11, 2015.**
- **Notice of Authorization #3028-INDC.2 (Rehabilitate Portions of the Terminal Apron Phases 3-9) was issued on December 22, 2015.**

The Notice of Authorization and the Notice of Intent for these four INDC's is contained in Appendix E for reference.

BTV did not conduct any projects under one acre that required reporting per BTV Stormwater Management Program.

Person(s) Responsible for BMP: The Burlington International Airport's construction site runoff control plan and each of the associated policies will be implemented and overseen by the **Stormwater Management Program Manager**, who is responsible for the overall coordination of the storm water management program at the airport.

Rationale for Selection: Development and implementation of a plan to prevent or reduce pollutants in construction site runoff, including compliance with the ANR CGP, is the most effective way to ensure appropriate protection of waters of the state during construction activities.

2.3.1.5 Minimum Control Measure #5 – Post-Construction Runoff Control

- 1) **BMP # 1:** A plan to prevent or reduce pollutants in post-construction site runoff will be developed, implemented and enforced as part of the SWMP.

Status: **Completed. The Post-Construction Runoff Control Plan is contained in SWMP, Volume 1 – Section 7.**

Timeframe: The SWMP will be reviewed and updated (as required) by December 31st of each year.

Measurable Goals: 1) All new projects will be covered by the applicable State stormwater permit and/or conform to BTV policy.

In order to identify projects that may require an operational Stormwater Discharge Permit, the following processes have been followed:

- Meet with VT ANR Stormwater Section personnel to discuss and review the project during design phase.
- Follow direction or finding(s) provided by VT ANR Stormwater Section personnel as to whether or not an operational Stormwater Discharge Permit is required.
- Document direction or finding(s) in meeting notes or meeting minutes.

BTV submitted six operational Stormwater Discharge Permit applications during the reporting period. These include authorization for two new projects, and reauthorization of four existing projects under new permit numbers. Following are details:

- **Notice of Authorization #3028-9015.2 (Construct, Mark and Light Taxiway "G/K") was issued on May 27, 2015**
- **Notice of Authorization #3845-9010 (formerly 3845-INDS.A) (Heritage Flight Aviation Campus Expansion) was issued on August 13, 2015**
- **Notice of Authorization #3028-9010.1 (formerly 3028-INDS.1) (Reconstruct, Mark, and Groove Runway 15-33) was issued on August 13, 2015**
- **Notice of Authorization #3028-9015.1 (Heritage Aviation Parking Lot Reconstruction) was issued on August 25, 2015**
- **Notice of Authorization #3028-9010.2 (formerly 3028-INDS.A) (Reconstruct TW B & C; Relocate TW J; Construct TW G) was issued on November 5, 2015**
- **Notice of Authorization #3028-INDS.AR (formerly 3028-INDS.A) (Reconstruct TW B & C; Relocate TW J; Construct TW G) was issued on December 4, 2015**

Appendix F includes copies of the approved operational Stormwater Discharge Permits issued during the reporting period. For reference, a copy of all previously issued active operational Stormwater Discharge Permits is provided in Appendix G. A copy of the Stormwater Discharge Permit Summary is contained in Appendix I.

A Post-construction site inspection was completed in 2015 for the following three projects:

- **House Removal on Airport-Acquired Land**
- **Rehabilitate a Portion of Terminal Apron, Phase 2**
- **Remove Material from Marcelino Property and place in the Airport Quarry**

Person(s) Responsible for BMP: The Burlington International Airport's post construction runoff control plan and each of the associated policies will be implemented and overseen by the **Stormwater Management Program Manager**, who is responsible for the overall coordination of the storm water management program at the airport.

Rationale for Selection: Development and implementation of a plan to prevent or reduce pollutants in post-construction site runoff, including compliance with the ANR Stormwater Rule, is the most effective way to ensure appropriate protection of waters of the state following the completion of construction activities.

2.3.1.6 Minimum Control Measure #6 – Pollution Prevention/Good Housekeeping

1) BMP # 1: A plan to ensure good housekeeping practices and pollution prevention will be developed, implemented and enforced as part of the SWMP. The plan will be developed and implemented such that it also meets the requirements of the SWPPP as outlined in the MSGP.

Status: **Completed.** The Burlington International Airport is a non-traditional MS4 and it has coverage under the NPDES Phase II Multi Sector General Permit (MSGP). One condition under the MSGP is development of a Storm Water Pollution Prevention Plan (SWPPP) that includes measures for pollution prevention and good housekeeping. BTV has included the SWPPP as Volume 2 of the SWMP to meet the requirements of this BMP. As previously discussed, the SWPPP has been revised and updated by Stantec annually since 2011. **The SWMP has been reviewed and updated as part of the General Permit 3-9014 (2012) MS4 conditions.**

Timeframe: The SWMP will be reviewed and updated (as required) by December 31st of each year.

Measurable Goals: Annually, all catch basins will be inspected and cleaned if necessary. In the event that a catch basin with a standard sump depth of 24" is inspected and found to contain greater than 12" depth of sediment, a recommendation will be made to clean out the sump.

All catch basins were inspected in 2014, with many proposed for maintenance. In 2015, a total of 32 catch basins were cleaned out, and 44 yards of material removed. A listing of catch basins requiring further maintenance is presented in Appendix H.

Person(s) Responsible for BMP: The Burlington International Airport's pollution prevention and good housekeeping plan and each of the associated policies will be implemented and overseen by **Stormwater Management Program Manager**, who is responsible for the overall coordination of the storm water management program at the airport.

Rationale for Selection: Development and implementation of a plan to prevent or reduce pollutants in site runoff and encourage good housekeeping and pollution prevention practices is the most effective way to ensure appropriate protection of waters of the state.



2.3.2 Stormwater Management Program (SWMP)

As a permit condition, each MS4 must develop, implement and enforce a Stormwater Management Program (SWMP) designed to reduce the discharge of pollutants from the MS4. The SWMP will promote construction site runoff control, post construction runoff control and pollution prevention and good housekeeping.

BTV has developed a SWMP to meet these requirements, and will continue to review and update the plan annually if necessary. The Stormwater Pollution Prevention Plan (SWPPP) has been revised and updated by Stantec annually since 2011, and the SWMP was been reviewed and updated in 2014 as part of the General Permit 3-9014 (2012) MS4 conditions. On September 30, 2015, Volume 1 of the SWMP was updated as part of a Notice of Intent for General Permit 3-9014 (2012) MS4 Amendment to incorporate expired Permit Nos. 1-0839 and 1-1391 into MS4 authorization. Volume 1 updates included new information on the Flow Restoration Plan, revision to the Storm Sewer Mapping, and documentation of the expired permits.

No additional updates to the SWMP were required for 2015.

2.4 REPORTING CONDITION V.C.2.

The 2013 Annual Report will include results of information collected and analyzed, if any, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

The Stormwater Pollution Prevention Plan (SWPPP) has been revised and updated by Stantec annually since 2011, and the SWMP was been reviewed and updated in 2014 as part of the General Permit 3-9014 (2012) MS4 conditions. On September 30, 2015, Volume 1 of the SWMP was updated as part of a Notice of Intent for General Permit 3-9014 (2012) MS4 Amendment to incorporate expired Permit Nos. 1-0839 and 1-1391 into MS4 authorization. Volume 1 updates included new information on the Flow Restoration Plan, revision to the Storm Sewer Mapping, and documentation of the expired permits.

No additional updates to the SWMP were required for 2015.

2.5 REPORTING CONDITION V.C.3.

The 2015 Annual Report includes a summary of the stormwater activities BTV plans to undertake during the next reporting cycle including an implementation schedule.

Current status and anticipated schedules for the next reporting cycle are as follows:

- a) BTV Taxiway 'G' / 'K' Construction Project, Phase 1**



- This project consists of the construction of a new 75' wide taxiway with 30' wide shoulders, beginning at the Taxiway "C"/"K" intersection and extending northerly approximately 1,525 linear feet, to connection to Taxiway "B." Construction on this project commenced in 2015 and will continue in 2016.
 - The work for this project initially received a Construction General Permit in 2014 (CGP 3028-9020.12); requirements changed, and the project has now received an Individual Construction Stormwater Discharge Permit (3028-INDC.1). This project is covered under a revised amendment to the previously issued operational Stormwater Discharge Permit [Permit No. 3028-INDS.AR (Taxiways 'B', 'C', 'J', and 'G')], as well as Permit No. 3028-9015.2 (Construct, Mark, and Light Taxiway "G"/"K")]
- b) Heritage Aviation Parking Lot Reconstruction
- This project consists of reconstruction of the Heritage Aviation Parking Lot. The overall project involves removal of the existing porous pavement and replacement with bituminous asphalt, and constructing an additional 14 parking spaces and two infiltration basins for stormwater treatment. Construction of this project commenced in 2015, and will continue in 2016.
 - This project received an INDC (3028-INDC.1A) and an operational Stormwater Discharge Permit (3028-9015.1).
- c) Rehabilitate a Portion of Terminal Apron, Phase 3
- This project consists of reconstruction of the existing air carrier ramp to strengthen the pavement in the aircraft parking area. The overall project involves removing and replacing the existing Portland cement concrete pavement and subbase. Construction of Phase 3 of this project will occur in 2016.
 - This project received an INDC (3028-INDC.2), and is covered under the existing operational Stormwater Permit (3028-9010.A), BTV's Master Permit.
- d) Air Carrier Apron -- Glycol Treatment System Improvements
- This project consists of improvements to the Glycol Treatment Facilities at the Main Terminal (Air Carrier) Apron. Project components include a new concrete stormwater diversion structure, 36" drain pipe, 18,500 cubic foot concrete storage tank, triplex pump station, 8" force main, electrical service, electrical vault, and new infiltration field for aircraft deicing fluid treatment. All completed work will be underground, and the project is entirely within a previously-disturbed area. Potential construction of this project is scheduled for 2016, dependent upon FAA funding. If not, project construction is anticipated for 2017.

- **An application for an INDC permit for this project was submitted in January, 2016, and is currently pending review by ANR. The project is covered under the existing Operational Stormwater Permit (3028-9010.A).**
- e) **Consolidated Car Rental Facility**
- **This project consists of a Quick Turn-Around (QTA) system for the rental car facilities at BTV. The overall project includes construction of a single QTA/fueling area shared by multiple rental car operators. This project is proposed for design and potential construction in 2016.**
 - **The work for this project will require an INDC and an Operational Stormwater Permit.**

2.6 REPORTING CONDITION V.C.4.

The 2015 Annual Report will include proposed changes to BTV's SWMP, including changes to any BMP's or any identified goals that apply to the program elements.

BTV's SWPPP, including site map and listing of BMP's, were updated in 2011 for the following reasons:

- To reflect re-authorization of General Permit 3-9003 (MSGP) dated August 4, 2011.
- To reflect the construction of several new BMP's covered under newly acquired operational Stormwater Discharge Permits since the previous SWPPP was developed in 2008.

BTV's SWPPP, including site map and listing of BMP's, was updated in 2012 for the following reason:

- To reflect the construction of one new BMP covered under Underground Injection Control (UIC) Permit #6-0117 (Aircraft Deicing Fluid Treatment System, 890 Ramp).

BTV's SWPPP, including site map and listing of BMP's, was updated in 2013 for the following reasons:

- To reflect the construction of one new BMP covered under operational Stormwater Discharge Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station).
- To reflect changes to the drainage system on the easterly side of Runway 1-19 due to the reconstruction of Taxiway 'B'. These changes are considered to be temporary.



- As part of the General Permit 3-9014 (2012) MS4 NOI submission and re-authorization, the SWMP was updated in June 2013.

BTV's SWPPP, including site map and listing of BMP's, was updated in 2014 for the following reason:

- To include information regarding the change in status of Muddy Brook in the vicinity of BTV, as it is no longer considered an impaired water according to the *State of Vermont 2014 303(d) List of Waters, Part A – Impaired Surface Waters in Need of TMDL*.

No major updates to the SWMP other than updating the SWPPP were required for 2014.

BTV's SWPPP, including site map and listing of BMP's, was updated in 2015 for the following reason:

- **The Stormwater Management Program (SWMP), Volume 1, was updated September 30, 2015 as part of a Notice of Intent for General Permit 3-9014 (2012) MS4 Amendment to incorporate expired Permit Nos. 1-0839 and 1-1391 into MS4 authorization. Volume 1 updates included new information on the Flow Restoration Plan, revisions to the Storm Sewer Mapping, and documentation of the expired permits. The map had minor revisions, as well as updates to permit numbers.**

No additional updates to the SWMP or SWPPP were required for 2015.

2.7 REPORTING CONDITION V.C.5.

The 2015 Annual Report will include notice that BTV is relying on another entity to satisfy some of the permit obligations, if applicable.

This condition is not applicable at this time.

End of BTV Annual Report for General Permit 3-9014 (2012) (MS4) dated April 1, 2016.

3.0 ANNUAL REPORT FOR OPERATIONAL STORMWATER DISCHARGE PERMITS

3.1 INTRODUCTION

As previously discussed, BTV currently is subject to eleven operational Stormwater Discharge Permits. The permits are listed as follows:

- Permit No. 3028-9010.A (BTV's Master Permit)
- Permit No. 1-1391 (South Apron Expansion) -- Expired, pending incorporation into MS4
- Permit No. 1-0839 (Redirect Airfield Drainage to North Outfall) -- Expired, pending incorporation into MS4
- Permit Nos. 3028-9010.2 -- formerly Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G'); Muddy Brook watershed
- Permit No. 3028-INDS.AR -- formerly Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G'); Potash Brook watershed
- Permit No. 3028-9010.1-- formerly Permit No. 3028-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33)
- Permit No. 3845-9010 -- formerly Permit No. 3845-INDS.A (Heritage Flight Aviation Campus Expansion)
- Permit No. 3028-9015.1 (Quarry Area Access Road)
- Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station)
- Permit No. 3845-9015.1 (Heritage Aviation Parking Lot) – under construction, not active
- Permit No. 3028-9015.2 (Construct, Mark, and Light Taxiway "G"/"K") – under construction, not active

A copy of each Stormwater Discharge Permit is presented in either **Appendix F or Appendix G** for reference purposes. Refer to **Appendix I** for a listing of current and previous permit numbers.

Permit Nos. 3028-9010.A, 3028-9010.2, 3028-INDS.AR, 3028-9010.1, 3845-9010, and 3028-INDS.3 each require an annual inspection to evaluate and document the operation, maintenance, and condition of the stormwater collection, treatment, and control systems. Stantec personnel performed these annual on-site inspections during the period August 4 and October 22, 2015.

Permit Nos. 1-1391 and 1-0839 require quarterly inspections to be performed. Stantec personnel performed these quarterly on-site inspections on April 27, August 12, and October 22, 2015; as well as on March 16, 2015.

Permit No. 3028-9015.1 requires semi-annual inspections to be performed. Stantec personnel performed these semi-annual on-site inspections on May 20 and October 22, 2015.

Permit Nos. 3845-9015.1 and 3028-9015.2 are under construction and not active.



**BURLINGTON INTERNATIONAL AIRPORT
ANNUAL REPORT FOR GENERAL PERMIT 3-9014 (2012) MS4 AND
ANNUAL REPORT FOR OPERATIONAL STORMWATER DISCHARGE PERMITS**

APRIL 1, 2016

In accordance with the reporting conditions for each permit, an Annual Inspection Report is to be completed and submitted to the Vermont Agency of Natural Resources, DEC, Stormwater Program by April 1st of each year for review. Annual Inspection Reports are presented below.

Finally, BTV's Master Permit (3028-9010.A) requires a Restatement of Compliance every 3 years. This was submitted on January 4, 2016.

No *Designer's Statement of Compliance* reports are required for operational Stormwater Discharge Permits in this reporting year. *Initial Designer's Statements of Compliance* were issued for expired permit Nos. 1-1391 and 1-0839 as part of the MS4 Permit amendment request submitted to VT ANR on September 30, 2015.

3.2 ANNUAL INSPECTION REPORT FORMS

Annual inspection report forms for the eleven operational stormwater discharge permits are presented below. When applicable, responses to the maintenance inspection checklist questions for each permit are included in **Appendix H** entitled *Field Inspection Maintenance Recommendations*.

3.2.1 Permit No. 3028-9010.A (BTV's Master Permit)

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 3028-9010.A** _____

Project Name: **City of Burlington, Burlington International Airport** _____

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3028-9010.A (BTV's Master Permit)

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
Response: See Appendix H for Additional Detail.
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
Response: See Appendix H for Additional Detail.
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
Response: Although the attenuation basin at the north end of the system has been rebuilt after sustaining damage during a historic rain event, silt, sediment, and debris continues to flow into the basin from points upstream. After the spring runoff, the site needs to be cleaned up and reseeded. Further investigation into a permanent solution to protect the basin from the constant infiltration of silt and debris also needs to be conducted.
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*
Response: See Appendix H for Additional Detail.
Response: S/N 001 (North Outfall) – Attenuation basin repairs and maintenance have been completed in the fall of 2015. Continued monitoring has shown that much silt and debris continues to wash down through the stream channel and into the basin. By September 30, 2017, streambank stabilization measures are recommended for implementation from the Q001A outfall downstream to the inlet headwall of the existing attenuation pond.

Permit No. 3028-9010.A (BTV's Master Permit)
Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system is being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

NOTE: The North Outfall (Q001A) is under a corrective action for benchmark monitoring exceedance for elevated levels of BOD and COD. Three previous maintenance recommendations have been completed in October 2014, benchmark monitoring at this location will continue.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system is **not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

Part III - Signatures

Inspector: *Inspector does not need to be an Engineer, Authorized Representative is acceptable


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403
Print or Type Name and Address

Ten days of inspection between September 3, 2015 - October 22, 2015
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspector's Contact Phone and/or Email

Please mail this completed form to:

DEC - Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.2 Permit No. 1-1391 (South Apron Expansion)

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: Stormwater Discharge Permit No. 1-1391

Project Name: Burlington International Airport, "South Apron Expansion"

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 1-1391 (South Apron Expansion)
Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 1-1391 (South Apron Expansion)

Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

Part III – Signatures

Inspector: ****Inspector does not need to be an Engineer. Authorized Representative is acceptable***


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403

Print or Type Name and Address

Quarterly on-site inspections were performed on April 27, August 5, and October 22, 2015;
as well as on March 16, 2016.

Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspectors Contact Phone and/or Email

Please mail this completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.3 Permit 1-0839 (Redirect Airfield Drainage to North Outfall)

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 1-0839** _____

Project Name: **Burlington International Airport, Redirect Airport Drainage to North
Outfall and Taxiway A Improvements** _____

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 1-0839 (Redirect Airfield Drainage to North Outfall)

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Response: See Appendix H for Additional Detail.

Permit No. 1-0839 (Redirect Airfield Drainage to North Outfall)

Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ****Inspector does not need to be an Engineer, Authorized Representative is acceptable***


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403

Print or Type Name and Address

Quarterly on-site inspections were performed on April 27, August 5, and October 20, 2015;
as well as on March 16, 2016.

Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com

Inspectors Contact Phone and/or Email

Please mail this completed form to:

DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.4 Permit No. 3028-9010.2 (formerly 3028-INDS.A) (Taxiways 'B', 'C', 'J', and 'G') – Muddy Brook Watershed

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: Stormwater Discharge Permit No. 3028-9010.2

Project Name: Burlington International Airport, Reconstructed Taxiways 'B' and 'C' and Relocated Taxiway 'J' and Newly Constructed Taxiway 'G'

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

**Permit No. 3028-9010.2 (Taxiways 'B', 'C', 'J', and 'G')
Part I - Maintenance Inspection Checklist**

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3028-9010.2 (Taxiways 'B', 'C', 'J', and 'G')
Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: **Inspector does not need to be an Engineer. Authorized Representative is acceptable*


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403

Print or Type Name and Address

Two days of inspection between August 4, 2015 and August 25, 2015
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspectors Contact Phone and/or Email

Please mail this completed form to:

DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.5 Permit No. 3028-INDS.AR (formerly 3028-INDS.A) (Taxiways 'B', 'C', 'J', and 'G') – Potash Brook Watershed

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: Stormwater Discharge Permit No. 3028-INDS.AR

Project Name: Burlington International Airport, Reconstructed Taxiways 'B' and 'C' and Relocated Taxiway 'J' and Newly Constructed Taxiway 'G'

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3028-INDS.AR (Taxiways 'B', 'C', 'J', and 'G')

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3028-INDS.AR (Taxiways 'B', 'C', 'J', and 'G')
Part II - Statement of Compliance (check only one below)


Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ****Inspector does not need to be an Engineer, Authorized Representative is acceptable***


Signature of Inspector

Senior Engineering Technician
Title

**Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403**

Print or Type Name and Address

Two days of inspection between August 4, 2015 and August 25, 2015
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspectors Contact Phone and/or Email

Please mail this completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.6 Permit No. 3028-9010.1 (formerly 3028-INDS.1) (Reconstruct, Mark & Groove Runway 15-33)

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 3028-9010.1**

Project Name: **Burlington International Airport, BTV Reconstruct, Mark & Groove Runway 15-33**

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3028-9010.1 (Reconstruct, Mark, and Groove Runway 15-33)

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
Response: See Appendix H for Additional Detail.
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
Response: See Appendix H for Additional Detail.
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*
Response: See Appendix H for Additional Detail.

Permit No. 3028-9010.1 (Reconstruct, Mark, and Groove Runway 15-33)

Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ****Inspector does not need to be an Engineer, Authorized Representative is acceptable***


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403

Print or Type Name and Address

Eight days total of inspection on between August 4, 2015 and October 22, 2015
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspectors Contact Phone and/or Email

Please mail this completed form to:

DEC - Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.7 Permit No. 3845-9010 (formerly 3845-INDS.A) Heritage Flight Aviation Campus Expansion)

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 3845-9010** _____

Project Name: **Burlington International Airport,**
Heritage Flight Aviation Campus Expansion _____

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3845-9010 (Heritage Flight Aviation Campus Expansion)

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
Response: See Appendix H for Additional Detail.
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3845-9010 (Heritage Flight Aviation Campus Expansion)
Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. *(If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).*

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ***Inspector does not need to be an Engineer, Authorized Representative is acceptable**


Signature of Inspector

Senior Engineering Technician
Title

**Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403**

Print or Type Name and Address

Three days of inspection between September 28, 2015 and October 19, 2015; November 5, 2015
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspectors Contact Phone and/or Email

Please mail this completed form to:

**DEC - Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>

802-828-1535



3.2.8 Permit No. 3028-9015.1 (Quarry Area Access Road)

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 3028-9015.1** _____

Project Name: **Burlington International Airport, Quarry Area Access Road** _____

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3028-9015.1 (Quarry Area Access Road)

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
Response: See Appendix H for Additional Detail (monitor.)
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
Response: See Appendix H for Additional Detail (monitor.)
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3028-9015.1 (Quarry Area Access Road)

Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. *(If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).*

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ***Inspector does not need to be an Engineer, Authorized Representative is acceptable**


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403

Print or Type Name and Address

Two semi-annual inspections were performed on May 20, 2015 and October 22, 2015.
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspectors Contact Phone and/or Email

Please mail this completed form to:

DEC - Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>
802-828-1535



3.2.9 Permit No. 3028-INDS.3 Aircraft Sewage Receiving Station

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 3028-INDS.3**

Project Name: **Burlington International Airport, Aircraft Sewage Receiving Station**

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station)

Part I - Maintenance Inspection Checklist

Please consider the items listed below:

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station)
Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. (If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ****Inspector does not need to be an Engineer, Authorized Representative is acceptable***


Signature of Inspector

Senior Engineering Technician
Title

Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403

Print or Type Name and Address

One day of inspection on October 14, 2015.
Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com
Inspector's Contact Phone and/or Email

Please mail this completed form to:

DEC - Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>

802-828-1535



3.2.10 Permit No. 3845-9015.1 Heritage Aviation Parking Lot Reconstruction

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: **Stormwater Discharge Permit No. 3845-9015.1**

Project Name: **Burlington International Airport, Heritage Aviation Parking Lot Reconstruction**

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3845-9015.1 (Heritage Aviation Parking Lot Reconstruction)

Part I - Maintenance Inspection Checklist

Please consider the items listed below: **N/A as the project has not been constructed.**

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3845-9015.1 (Heritage Aviation Parking Lot Reconstruction)

Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. *(If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).*

(INCOMPLETE FORMS WILL BE RETURNED)

Part III – Signatures

Inspector: ***Inspector does not need to be an Engineer, Authorized Representative is acceptable**



Signature of Inspector

Senior Engineering Technician

Title

**Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403**

Print or Type Name and Address

No inspection done as project has not been constructed.

Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com

Inspector's Contact Phone and/or Email

Please mail this completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>

802-828-1535



3.2.11 Permit No. 3028-9015.2 Construct, Mark, and Light Taxiway G/K

Annual Inspection Report Form

NEW: As of 03/20/2013 ALL Stormwater Permits will use this form for Annual Inspections

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15th of each year (or by July 30th if performed by a utility of municipality pursuant to a duly adopted storm water management ordinance)

Please refer to the Authorization to Discharge for specific information regarding the frequency of maintenance, inspection, and reporting requirements.

Permit #: Stormwater Discharge Permit No. 3028-9015.2

Project Name: Burlington International Airport, Construct, Mark, and Light Taxiway G/K

- Has ownership changed since previous authorization? N Y - If yes, please complete a transfer application available at http://www.vtwaterquality.org/stormwater/docs/sw_transfer-ap.pdf
- Has project name changed since previous authorization? N Y - If yes, attach explanation
- Has amount of impervious area changed since previous authorization? N Y - If yes, attach explanation
- Has the project been constructed? N Y - If yes, continue to Part I, if no, skip to Part III; all permit terms and conditions including operating fees, are applicable.

Permit No. 3028-9015.2 (Construct, Mark, and Light Taxiway G/K)

Part I - Maintenance Inspection Checklist

Please consider the items listed below: **N/A as the project has not been constructed.**

- Are there any vegetated areas that require mowing or other maintenance? N Y - *If yes, attach an explanation and schedule for mowing or maintenance to be completed.*
- Do catch basins need maintenance or sediment removed from sumps? N Y - *If yes, attach an explanation and schedule for maintenance or cleaning to be completed.*
- To the best of your knowledge, have there been any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc)? N Y - *If yes, attach an explanation and preventative measures taken.*
- Has there been any re-routing of stormwater to avoid the system? N Y - *If yes, attach an explanation.*
- Was any erosion noted during inspection (for example in areas of exposed soil in channels, outlets, or on pond berms)? N Y - *If yes, provide explanation and schedule for repair.*
- Was any accumulation of sediment noted in the basins, ponds, or constructed wetlands? N Y - *If yes, provide an explanation and schedule for cleaning.*
- Is there any additional maintenance or repairs needed at this time? N Y - *If yes, provide an explanation and schedule for maintenance or repairs to be completed.*

Permit No. 3028-9015.2 (Construct, Mark, and Light Taxiway G/K)
Part II - Statement of Compliance (check only one below)

Based on the above observations, and to the best of my knowledge, this report can serve as confirmation that the stormwater system **is** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is in good operating condition.

Based on the above observations, and to the best of my knowledge, this report can serve as notification that the stormwater system **is not** being maintained and operated in general conformance with the approved plans and the discharge permit referenced above, and that the stormwater system is **not** in good operating condition. *(If checked, attach an explanation noting any deficiencies as well as a schedule for correction of the deficiencies. Note: Any deficiencies noted during inspection shall be corrected as soon as possible, but not later than sixty (60) days after detection).*

(INCOMPLETE FORMS WILL BE RETURNED)

Part III - Signatures

Inspector: ****Inspector does not need to be an Engineer, Authorized Representative is acceptable***


Signature of Inspector

Senior Engineering Technician
Title

**Dwight D. Harrington, Senior Engineering Technician
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, Vermont 05403**

Print or Type Name and Address

No inspection done as project has not been constructed.

Date of Inspection

Telephone No. (802) 864-0223 email: harry.harrington@stantec.com

Inspector's Contact Phone and/or Email

Please mail this completed form to:

**DEC - Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

Additional information can be found at:
<http://www.watershedmanagement.vt.gov/>

802-828-1535



BURLINGTON INTERNATIONAL AIRPORT

Appendix A
April 1, 2016

Appendix A

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BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix A

**MS4 Re-authorization
General Permit No. 7021-9014
dated October 1, 2014**

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VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 AUTHORIZATION TO DISCHARGE UNDER
 MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
 GENERAL PERMIT 3-9014

A determination has been made that the applicant:

Burlington International Airport
 1200 Airport Drive, #1
 South Burlington, VT 05403

meets the criteria necessary for inclusion under General Permit 3- 9014. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9014, the permittee is authorized to discharge stormwater from the small Municipal Separate Storm Sewer System (MS4) located in South Burlington, Vermont.

Compliance with General Permit 3-9014 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9014, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Stormwater Impaired Waters Reporting Deadlines

The permittee shall submit a report on a semi-annual basis on the permittee's development and implementation of the Flow Restoration Plan (FRP). The FRP report shall be submitted every year on October 1st and every year on April 1st with the MS4 Annual Report.

Due Date	Compliance Item
January 2, 2014	Submit to the Secretary for approval a plan for meeting the requirements of IV.C.1(e)(7) (flow monitoring plan).
April 1, 2014	Submit Annual Report and FRP Report
	Submit to the Secretary for approval a plan for addressing expired state stormwater permits discharging to the permittee's MS4 system.
	Identify the process the permittee intends to use to meet the requirements of IV.C.1 (development of FRP).
	Submit verification of implementation of the flow monitoring plan, per IV.C.1(e)(7).
October 1, 2014	Submit FRP Report
April 1, 2015	Submit Annual Report and FRP Report
October 1, 2015 (continued on next page)	Submit FRP Report
	Submit a report verifying that all existing stormwater systems with expired permits are now in compliance with the existing expired permit or subject to a NPDES RDA permit, including verification that all required maintenance has been performed.

Due Date	Compliance Item
October 1, 2015	Begin developing a LID technical assistance program for landowners
	Submit a report on how the permittee is protecting and regulating development in stormwater impaired stream corridors
	Submit a plan for enhanced protection of stormwater impaired stream corridors
April 1, 2016	Submit Annual Report and FRP Report
October 1, 2016	Submit FRP Report
	Submit a complete FRP to the Secretary for approval
April 1, 2017	Submit Annual Report and FRP Report
Subsequent October 1 and April 1	Continue to submit Semi-Annual and Annual Reports until the Agency issues a new Authorization to Discharge under a reissued MS4 permit or its replacement.

Right to Appeal to the Environmental Court

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Telephone #802-828-1660).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on October 1, 2013 and shall continue until December 5, 2017.

Dated this 1st day of October, 2013.

David K. Mears, Commissioner
Department of Environmental Conservation

By Padraic Monks
Padraic Monks, Stormwater Program Manager
Stormwater Management Program

BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix B

Flow and Precipitation Monitoring Program

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AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
MAIN BUILDING, SECOND FLOOR
ONE NATIONAL LIFE DRIVE
MONTPELIER, VT 05620-3522

PUBLIC NOTICE

PUBLIC COMMENT PERIOD: 11/17/15 – 12/17/15

DESCRIPTION

The attached Memorandum of Agreement (MOA) has been developed to satisfy the requirements of ACT 171 to establish the Ecosystem Restoration and Water Quality Improvement Special Fund for regulated Municipal Separate Storm Sewer System (MS4) municipalities. This fund is created to ensure municipal compliance with the MS4 permit flow monitoring requirements in stormwater impaired streams. Following a 30 day public notice period, this MOA will be distributed and signed by the municipalities included in the MOA and the Secretary of the Agency of Natural Resources. The MOA establishes the cost per participating municipality, over a five year period, for contracted flow monitoring and reporting.

This public notice form and the corresponding MOA can be found at:

http://www.watershedmanagement.vt.gov/stormwater/docs/ms4/publicnotice/MOA_MS4.pdf

PUBLIC COMMENTS

Written public comments on the MOA are invited and must be received on or before the close of business day (7:45 am - 4:30 pm) **December 17, 2015**, by the Agency of Natural Resources, Department of Environmental Conservation, Watershed Management Division, Stormwater Management Program, Main Building, Second Floor, One National Life Drive, Montpelier, Vermont 05620-3522 or send via email to anr.wsmdstormwatercomments@vermont.gov. If sending by mail, "MS4 MOA" should appear next to the VANR address on the envelope and on the first page of any submitted comments. If sending by e-mail, "MS4 MOA" should appear on the subject line. All comments received by the above date will be considered by DEC prior to distribution and signing of the MOA.

MEMORANDUM OF AGREEMENT BETWEEN THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND THE LISTED MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) COMMUNITIES

This Memorandum of Agreement sets forth the agreement between the parties, Vermont Department of Environmental Conservation (DEC) and the following Municipal Separate Storm Sewer System (MS4) Permittees: Burlington International Airport (BTV), City of Burlington (Burlington), Town of Colchester (Colchester), Village of Essex Junction (Essex Junction), Town of Essex (Essex), Town of Shelburne (Shelburne), City of South Burlington (South Burlington), City of Saint Albans (St. Albans City), Town of Saint Albans (St. Albans Town), University of Vermont (UVM), Vermont Agency of Transportation (VTrans), Town of Williston (Williston), and City of Winooski (Winooski) (collectively referred to as “the Parties”), for the purpose of participating in the Ecosystem Restoration and Water Quality Improvement Special Fund to perform the monitoring and other data collection required under the MS4 permitting program.

I. PROJECT PURPOSE:

The purpose of this Agreement, per Act 171 (H.650), Titled: Conservation and land development; stormwater; municipal separate storm sewer systems, is to aid participating MS4 Permittees in obtaining compliance with the flow monitoring requirements of their MS4 permits.

II. SCOPE OF WORK:

The parties agree to the following:

DEC will develop and manage a contract with a third party to carry out flow monitoring requirements as outlined in the existing MS4 permits. Upon signature of this Agreement, DEC will work with the undersigned MS4 Permittees and the contractor to ensure the flow monitoring requirements are met. As long as the MS4 Permittee contributes to the Water Quality Improvement Special Fund as outlined in Section V, they will be considered in compliance with the flow monitoring requirement of the MS4 permit. All management of the Contractor and non-compliance due to the Contractor will be the responsibility of DEC and will not result in any violations under the MS4 permit for any MS4 Permittee signed onto this MOU. DEC will provide the deliverables as outlined in section VIII.

The Parties will provide data on existing flow monitoring gauge sites, precipitation gauge sites, and other information considered to be necessary for the Contractor to complete the work. The Parties will provide funds, as agreed to in Section V, in order to initiate the flow

monitoring. Failure to provide the funds as specified will be considered as non-compliance with this Agreement and the Party will be responsible for maintaining compliance with the MS4 flow monitoring requirements through other means.

III. PROJECT BENEFITS

This project will help to assess the effectiveness of flow restoration plans for up to eleven stormwater impaired streams. Vermont’s stormwater Total Maximum Daily Loads (TMDL) utilize flow targets to represent a range of stressors to water quality, from pollutant loads, land based and instream erosion, to increased flooding. Implementation of the flow restoration may take over fifteen years in some watersheds. Flow monitoring will be used by DEC and the Parties to ensure that the management practices implemented under the flow restoration plans are making progress towards the TMDL targets, and redirect efforts if needed.

IV. ENTITY ELIGIBILITY

The entities eligible to participate under the memorandum of understanding include any entity that is subject to the Vermont Municipal Separate Storm Sewer System (MS4) General Permit, signed on December 12, 2012. This includes the following MS4 Permittees: Burlington, Colchester, Essex, Essex Junction, Milton, Rutland Town, Rutland City, St. Albans City, St. Albans Town, Shelburne, South Burlington, Williston, Winooski, UVM, BTV, and VTrans.

V. FINANCIAL CONTRIBUTIONS

As developed by the eligible entities, all participating MS4 communities will divide the costs of the contracted work and pay DEC according to the table below.

		Costs by State Fiscal Years (July 1 – June 30)				
MS4 Permittee	% of Total Cost	2017	2018	2019	2020	2021
BTV	2.1%	\$3,623	\$2,805	\$2,796	\$2,087	\$2,140
Burlington	7.4%	\$12,782	\$9,898	\$9,866	\$7,364	\$7,549
Colchester	5.3%	\$9,232	\$7,149	\$7,126	\$5,319	\$5,452
Essex Junction	6.1%	\$10,625	\$8,228	\$8,201	\$6,122	\$6,275
Essex	6.0%	\$10,473	\$8,111	\$8,084	\$6,034	\$6,185
Shelburne	7.0%	\$12,185	\$9,436	\$9,405	\$7,021	\$7,196
South Burlington	17.4%	\$30,170	\$23,363	\$23,287	\$17,383	\$17,818
St. Albans City	6.6%	\$11,418	\$8,842	\$8,813	\$6,579	\$6,743
St. Albans Town	7.1%	\$12,287	\$9,515	\$9,483	\$7,079	\$7,256
UVM	5.5%	\$9,564	\$7,407	\$7,382	\$5,510	\$5,648
VTrans	16.6%	\$28,794	\$22,298	\$22,225	\$16,590	\$17,005
Williston	6.2%	\$10,668	\$8,261	\$8,234	\$6,146	\$6,300

MS4 Permittee	% of Total Cost	Costs by State Fiscal Years (July 1 – June 30)				
		2017	2018	2019	2020	2021
Winooski	6.6%	\$11,363	\$8,799	\$8,770	\$6,547	\$6,711
Total	100.0%	\$173,184	\$134,112	\$133,672	\$99,781	\$102,278

Each participating MS4 Permittee to this agreement is required to submit the payment listed above on or before May 1 each year in order to be considered in compliance with the terms of the agreement for that year. Payments shall be made directly to DEC. If payment is not received in time, monitoring services as provided by the Contractor to the State will be discontinued.

All costs are dependent on the finalization of the Contract with the selected Contractor. Fiscal year 2020 and 2021 are anticipated costs based on renewal of the Contract for monitoring services with the selected Contractor.

VI. PROJECT CONTACTS

[OTHER PARTY] Contact

[Name]

[Title or Division]

802-XXX-XXXX

email@state.vt.us

DEC Contact

David Pasco

Admin. and Innovation Division

802-490-6112

david.pasco@vermont.gov

VII. EFFECTIVE DATE; MODIFICATION

This Memorandum of Agreement shall be effective from the date of execution and shall terminate on June 30, 2021. This Memorandum of Agreement may be amended or modified at any time by mutual written agreement of all Parties.

This agreement will provide monitoring services for the participating MS4 Permittees from State Fiscal Year 2017 (July 1, 2016) through State Fiscal Year 2021 (June 30, 2021).

VIII. DELIVERABLES

Each of the Parties will provide the following deliverables to DEC:

1. Data on existing flow monitoring gauge sites, precipitation gauge sites, and other information considered to be necessary for the Contractor to complete the work, as requested.
2. Notification of any changes in the MS4 Communities' participation in this agreement as early as practicable.
3. Payment of funds as outlined in Section V.

DEC will provide the following deliverables to all participating entities:

1. A comprehensive report outlining Quality Assurance/Quality Control protocols, shall be submitted to all participating entities prior to the initiation of monitoring.
2. Mean daily discharge in cubic feet per second at each site for each day of the monitoring period calculated from measurements taken at five minute intervals.
3. A platform for continuous remote access to streamflow gaging station data (i.e., satellite, radio, or cellular telemetry) complete with real-time data loss notification systems.
4. Mean daily depth of precipitation in inches (to the nearest 0.01 inch) at each site for each day of the monitoring period, calculated from measurements taken at five minute intervals and form of precipitation identified (rain vs. snow).
5. An annual report on each impaired stream with the flow duration curve and calculated flow metrics, and a brief narrative describing the preceding field season, gage configuration, and how data was collected and compiled.
6. On an annual basis, compiled sub-daily data, with field notes available upon request.

WE, THE UNDERSIGNED PARTIES, AGREE TO BE BOUND BY THIS AGREEMENT.

STATE OF VERMONT

Dept of Environmental Conservation

By:

Commissioner

Dept of Environmental Conservation

Date: _____

THE PARTICIPATING PARTIES:

**BURLINGTON INTERNATIONAL
AIRPORT**

By:

Title: _____

Burlington International Airport

Date: _____

CITY OF BURLINGTON

By:

Title: _____

City of Burlington

Date: _____

TOWN OF COLCHESTER

By:

Title: _____

Town of Colchester

Date: _____

VILLAGE OF ESSEX JUNCTION

By:

Title: _____

Village of Essex Junction

Date: _____

TOWN OF ESSEX

By:

Title: _____

Town of Essex

Date: _____

WE, THE UNDERSIGNED PARTIES, AGREE TO BE BOUND BY THIS AGREEMENT.

TOWN OF SHELBURNE

By:

Title: _____

Town of Shelburne

Date: _____

CITY OF SOUTH BURLINGTON

By:

Title: _____

City of South Burlington

Date: _____

CITY OF SAINT ALBANS

By:

Title: _____

City of Saint Albans

Date: _____

TOWN OF SAINT ALBANS

By:

Title: _____

Town of Saint Albans

Date: _____

UNIVERSITY OF VERMONT

By:

Title: _____

University of Vermont

Date: _____

WE, THE UNDERSIGNED PARTIES, AGREE TO BE BOUND BY THIS AGREEMENT.

**VERMONT AGENCY OF
TRANSPORTATION**

By:

Title: _____

Vermont Agency of Transportation

Date: _____

TOWN OF WILLISTON

By:

Title: _____

Town of Williston

Date: _____

CITY OF WINOOSKI

By:

Title: _____

City of Winooski

Date: _____

	MS4	Impervious acres based on Current MS4 Boundaries (Urbanized Area + SW Impaired watersheds)	Annual Fee (\$10/acre)
Traditional	Burlington	1610.9	\$ 16,109.09
	Colchester	1066.0	\$ 10,660.38
	Essex	705.8	\$ 7,057.93
	Essex Junction	650.8	\$ 6,507.51
	Milton	264.3	\$ 2,642.96
	Rutland	112.5	\$ 1,125.18
	Rutland City	364.5	\$ 3,644.95
	Shelburne	512.3	\$ 5,122.59
	South Burlington	1479.4	\$ 14,794.35
	St. Albans City	233.2	\$ 2,331.75
	St. Albans Town	219.0	\$ 2,190.26
	Williston	1050.8	\$ 10,507.72
	Winooski	298.1	\$ 2,980.86
	Non-Traditional	BTV	288.4
UVM		166.0	\$ 1,659.89
VTrans		527.7	\$ 5,277.49
	Total	9549.7	\$ 95,497.18

Generated on 11/13/2015 by VTDEC. Impervious based on 2011 LCBP layer with railroads clipped c

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BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix C

**Regional Stormwater Education
Program, Annual Review 2015**

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Chittenden County Regional Stormwater Educational Program

Annual Review: 2015 Calendar Year Summary

2015 was a maintenance year for RSEP, utilizing 2014's "Slow the Flow" campaign creative around rain barrels and rain gardens and also the creative informing people about the best time to fertilize (if at all). In 2015, we saw strong results, with the second-highest website visits on record. (Only 2014 was higher.) We continued to use data from past campaign performance to tweak media buys and try some different ad formats, consistently working to reach more people.

In 2015 we also continued to improve our website, focusing on cleaning up links, developing stronger verbiage, and deleting outdated content. Building on the design refresh of 2014, the website is now technically and visually more modern, more clearly written, and easier to navigate.

Spring Advertising Campaign

During the Spring campaign we utilized some new ad formats with *Xfinity*, specifically a home page takeover and Comcast Video Plus, which allowed us to advertise on *Comcast* partner sites. Compared with Table 2: Fall 2015 Online Campaign Results, it's clear that the traditional pre-roll ads (ads that run prior to watching a video) prove to be more effective than these new ad opportunities.

The online portion of the advertising budget accounts for 36% of the overall expenditure of \$19,855. The remainder covers radio, television and print advertising. Media beyond online ads raises awareness and allows consumers additional impressions, but the vast majority of web clicks come from online ads, driven by the ease by which people can access the Smart Waterways site from an online ad.



Table 1: Spring 2015 Online Media Results

	Impressions	Clicks	Cost	Cost per Click
WCAX	90,000 impressions	198	\$990	\$5.00
Xfinity*		373	\$1,725	\$4.62
	video pre-roll, 16,300 impressions	252		
	home page takeover	33		
	Comcast Video Plus, 26,300 impressions	88		
Front Porch Forum	210,000 impressions	253	\$1,500	\$5.93
Google ad network	pay-per-click	382	\$1,398	\$3.66
Seven Days	100,000 impressions	116	\$1,093	\$9.42
TOTAL		1695	\$6,706	\$3.96

Fall Advertising Campaign

For the Fall campaign we focused back on the issue of not using fertilizer in the spring. In order to use past material, we worked with local Fox television affiliate *WFFF* to remake the old television spot (which was not digital and looked grainy) in an HD format. This spot can now be used into the foreseeable future.

In addition, as mentioned above, based upon what we learned using the *Xfinity* ad formats, we decide to revert back to using pre-roll ads only, driving down the cost per click. Even with the high cost per click for *WFFF/ABC 22* ads, our overall cost per click was very low at \$3.07, as shown below in Table 2. The online portion of the advertising budget was 51% of the overall expenditure of \$9,940.

Table 2: Fall 2015 Online Campaign Results

	Impressions	Clicks	Cost	Cost per click
WCAX	120,000 impressions RSS feed	316	\$600	\$1.90
Xfinity	55,000 video pre-roll impressions	832	\$1,980	\$2.38
Front Porch Forum	50,000 impressions	77	\$750	\$9.74
Google ad network	pay-per-click	329	\$860	\$2.61
WFFF/ABC 22	90,000 impressions	38	\$700	\$18.42
TOTAL		1,592	\$4,890	\$3.07

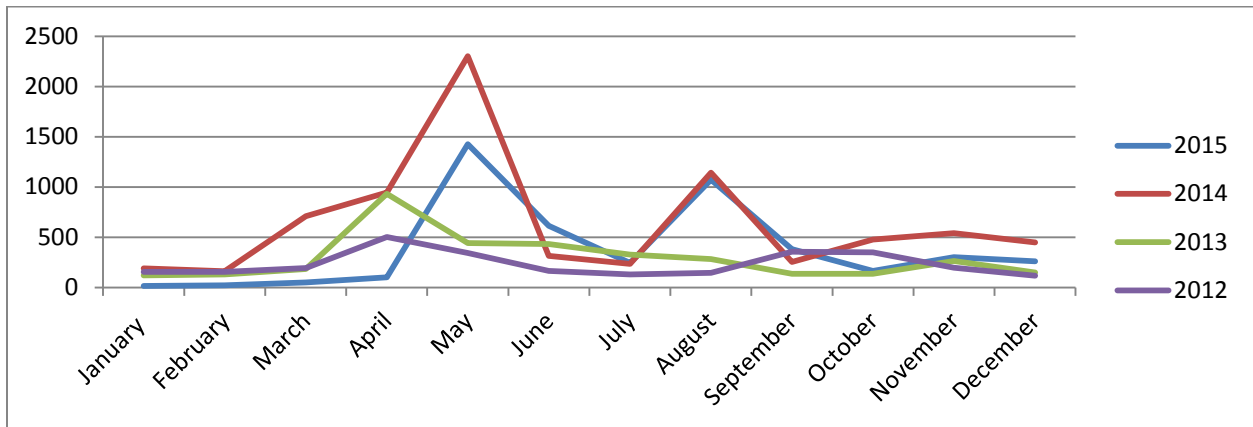


Traffic to Program Website (www.smartwaterways.org)

Below in Figure 1 is the website visitor information for 2015, compared to the preceding three most recent years.

The site had 4,659 visits during 2015, not as strong as 2014 but still the second highest on record. Website traffic increases correlate with media campaigns. The Chittenden County’ Stream Team’s *Connecting the Drops* program ran in Williston during the June timeframe, keeping web traffic high in between campaigns.

Figure 1: Total Internet Traffic to SmartWaterways.org



TOTAL	TIME PERIOD
4659	2015
7728	2014
3542	2013
2817	2012
2859	2011



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BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix D

**Minimum Control Measure (MCM) #2,
Chittenden County Stream Team,
Summary of Activities: 2015**

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Chittenden County Stream Team Summary of Activities January-December 2015



This report summarizes CCST activities in the 2015 calendar year. Demographic data about participant numbers from each town is presented in tabular form following the narrative.

Social Media

Facebook

- 120 total “likes”-- a 15% increase in likes from 2014 annual report numbers (104 total likes)
Facebook ‘likes’ can’t be isolated by year; only total numbers over time can be counted.
- 20% of the people who like CCST are from Burlington (23 people)
- 41% of the people who like CCST live in CCST member towns (49 people)

CCST Website

Google Analytics provides website traffic data from: January 1, 2015 to December 31, 2015

- 1,773 website visits, spending an average of 1 minute and 53 seconds on the website per visit. The number of visits is up 22% from 2014 (1,454 visits)
- 3,603 page views, similar to the 2014 quantity (3,683)
- 80.5% of visitors were new visitors to the site.
- The highest spike in page views occurred on April 2nd, with 39 visits, which coincided with the announcement that the Chittenden County Regional Planning Commission was recognized by The New England Water Environment Association with a *Stormy Award* for “Regional Collaboration for Enhanced Stormwater Program Efficiency.” Website traffic remained relatively high through April and May as the Connecting the Drops display was planned and installed. There were also spikes in July around the time of the rain barrel give-away and two rain barrel workshops. On average, the busiest months for web traffic were April, May, June and July.

Newsletter and e-correspondence

- In 2015, there were 459 subscribers to the CCST newsletter, up 55% from 295 in 2014.
- A spring newsletter was sent out in May with a 37.1% open rate. A fall newsletter was sent out in October with a 42.1 % open rate. CCST E-News open rate is high; the typical open rate for similar industries is between 20-25% according to research completed by Mail Chimp.
- The Mail Chimp email list was used throughout the year to announce rain barrel workshops and to request volunteers for water quality monitoring.



Chittenden County Stream Team

Summary of Activities January-December 2015

Organizational Partnerships

The Chittenden County Stream Team partnered with nine different organizations in 2015; CCST partnered with 12 organizations in 2014.

- A local gardener donated plants for the Stream Team's rain gardens. In 2015, Ann Pearce provided CCST with dozens of iris, lobelia and native grasses for multiple rain gardens (Chamberlin School, South Burlington and Williston Town Hall Annex, Williston).
- CCST worked with multiple schools and school groups this year for hands-on events and for outreach opportunities. The Stream Team partnered with teachers from South Burlington High School, Winooski High School and the Winooski Teen Center. Additionally, students from Champlain Valley Union High School decorated two of the rain barrels for the Connecting the Drops 3.0 display.
- CCST partnered with towns and other local organizations to host two rain barrel workshops. CCST partnered with the South Burlington Natural Resources Committee, the South Burlington Department of Public Works and the Town of Williston Public Works Department to hold the rain barrel workshops.
- During the 2015 Connecting the Drops outreach campaign and events, CCST partnered with the Let it Rain program (administered by Winooski Natural Resources Conservation District and UVM's Lake Champlain Sea Grant) to develop outreach materials and to manage the events. Lake Champlain Sea Grant staff member Becky Tharp recruited the artists for the displayed rain barrels and coordinated press and advertising. CCST partnered with the Town Williston to provide outreach for Connecting the Drops, display the barrels and engage citizens.
- CCST worked with the Milton Conservation Commission to provide outreach to the community and to build-up future ideas for hand-on participation in the town.

Media

The Chittenden County Stream Team had six media appearances this year, and increase from 4 in 2014. Copies of each article are archived in the CCST 3-ring binder housed at the office of the CCST chair (if applicable).

- Water Environment Federation (WEF) Stormwater Report May 5, 2015 (Stormy Award recognition) <http://stormwater.wef.org/2015/05/stormy-awards-elevate-new-england-stormwater-efforts/>
- Milton Independent: May 7, 2015. The Stream Team is not mentioned in the linked article, but there was a picture of CCST tabling at Milton's Green-Up Day and a caption in the print edition. <http://www.miltonindependent.com/retro-rubbish/>
- Williston Observer: May 21, 2015 <http://www.willistonobserver.com/artsy-stormwater-management-i-89-northbound-rest-stop-gets-new-rain-barrel/>
- Williston Observer: July 30, 2015 <http://www.willistonobserver.com/photos-building-a-rain-barrel/b> Photos of the Connecting the Drops rain barrel workshop
- The Citizen: May 14, 2015: <http://www.thecitizenvt.com/2015/05/14/partnership-offers-rain-barrel-workshop-june-7/>
- Shelburne News: May 6, 2015: <http://www.shelburnenews.com/2015/05/06/build-your-own-rain-barrel-june-7/>

Outreach



Chittenden County Stream Team Summary of Activities January-December 2015

Outreach events include tabling and the distribution of educational materials or information. There were nine outreach events in 2015 in which the Stream Team interacted with 324 people. See Table 1 below for detailed outreach audience information. An additional 36 people clicked on Front Porch Forum advertisements about the Connecting the Drops 3.0 outreach campaign, bringing total outreach numbers to 360.

- Milton Green-Up Day (5/2/2015, 36 people reached)
- Connecting the Drops 3.0 ribbon cutting ceremony in Williston (5/18/15, 35 people reached)
- Presentation to Milton Conservation Commission (6/23/15, 7 people reached)
- Williston Independence Day Celebration (7/3/15, 35 people reached)
- Burlington farmers Market (8/1/15, 46 people reached)
- Water Works Fair in Burlington (8/9/15, 26 people reached)
- Summervale in Burlington (8/20/15, 28 people reached)
- Shelburne Farmers Market (9/12/15, 33 people reached)
- Shelburne Harvest Festival (9/19/15, 88 people reached)

Event-Driven Tasks

There were nine hands-on events held and the continuation of on-going tasks including, rain garden adoption and maintenance, and water quality monitoring in 2015. Detailed participation data is provided in Table 2.

- Rain Barrel Painting for Connecting the Drops 3.0 Display (April/May 2015)
 - Partnered with Champlain Valley Union High School's Art club to decorate two rain barrels for the Connecting the Drops 3.0 display in Williston
 - Six students and one teacher worked to paint two display barrels
- Rain Garden Adopters are Supplied with Plants and Mulch for work days in mid-May (May2015)
 - Rain garden adopters worked to maintain the gardens at Williston Town Hall Annex, Chamberlain Elementary School in South Burlington and at the Coast Guard Station in Burlington.
 - Donated rain garden plants were planted in the Chamberlin School garden in South Burlington, the Williston Town Hall Annex garden, and in the Coast Guard Station garden in Burlington. Other volunteers maintained the gardens but were not in need of supplies.
- Volunteer Water Quality Monitoring Training/Sampling and Volunteer Thank You (6/16/2015)
 - Interest in the water quality monitoring program was high; 28 people contacted CCST to find out more information about volunteering. Of those who contacted CCST, 22 volunteers participated in the water quality monitoring training session. Sampling occurred on five scheduled dates (6/23, 7/07, 7/21, 8/04, 8/18, 9/1)
 - Sampling was expanded this year to include e. coli sampling at Wheeler Park in South Burlington
 - Volunteers were recognized for their dedication with pizza and appreciation during the water quality monitoring training event.
 - Analyzed sampling data was uploaded to the CCST [website](#).
- Rain Barrel Decorating at the Williston Independence Day Celebration (7/3/2015)
 - 17 Williston residents participated in rain barrel decoration during the Connecting the Drops 3.0 rain barrel give away at the Independence Day Celebration; most of these people also signed up to win a rain barrel.
- South Burlington Rain Barrel Workshop (7/7/2015)



Chittenden County Stream Team Summary of Activities January-December 2015

- Partnered with South Burlington’s Natural Resources Committee and the South Burlington Department of Public Works to hold a rain barrel workshop
- 32 participants built 29 barrels. All participants received outreach materials about rain barrels and stormwater.
- Connecting the Drops 3.0 Rain Barrel Workshop (7/25/2015)
 - Partnered with the Town of Williston’s Public Works Department and Lake Champlain Sea Grant to prepare and advertise for the event.
 - 32 participants built 26 rain barrels. All participants received outreach materials about rain barrels and stormwater.
- Potash Brook Stream Clean-Up with South Burlington High School (9/20/2015)
 - Partnered with South Burlington High School Environmental Science class
 - 21 students and 1 teacher participated in the clean-up, removing four bags of trash from Potash Brook.

CCST Outreach and Event Demographic Impacts

Since participation numbers for Milton and Shelburne were low in 2014 and because CCST had not focused on Burlington in some time, these towns were identified as the outreach target towns in 2015. Displayed in the table below, 2015 outreach efforts in these towns were a success and all workplan goals were met. Hands-on events are planned for these 3 towns in 2016.

Table 1: Participation in Outreach Activities by CCST Member Town

Activity	Location	Participant Town									Total
		Burlington	South Burlington	Essex	Essex Jct	Milton	Shelburne	Williston	Winooski	Other/Unkown	
Facebook 'Likes'	N/A	23	10	0	4	2	2	4	4	71	120
Website Visits	N/A	236	42	58	0	4	7	27	5	1,394	1773
e-news Mailing List	N/A	56	40	10	34	30	13	71	25	180	459
Green-Up Day	Milton	0	0	1	0	32	0	0	0	3	36
Milton Conservation Commission	Milton	0	0	0	0	7	0	0	0	0	7
CtD 3.0 Ribbon Cutting Ceremony	Williston	3	0	3	0	0	1	18	0	0	25
Independence Day Celebration	Williston	0	0	5	2	0	0	28	0	0	35
Farmers Market	Burlington	25	8	0	2	2	1	0	3	5	46
Summervale	Burlington	18	1	0	3	0	0	0	3	3	28
Water Works Fair	Burlington	19	2	1	3	0	0	0	0	1	26
Harvest Festival	Shelburne	35	0	3	0	0	5	11	9	25	88
Farmers Market	Shelburne	0	0	0	0	0	28	0	1	4	33
Front Porch Forum CtD 3.0 Ad 'clicks'	Williston	0	0	0	0	0	0	36	0	0	36
	Total	415	103	81	48	77	57	195	50	1686	2712

**Colchester represents a portion of the “other” participants, with 51 Colchester residents engaged with CCST outreach events (See Table 3 for details).

Hands-on participation events in 2015 were targeted to the towns of Williston, Winooski and South Burlington. The workplan goals for participation were met and exceeded in all three towns. There were a total of 188 event participants in 2015, surpassing the workplan goal of 100 participants. Outreach towns for the following year are selected from end-of-year event participation numbers and frequency of targeting a town. Based on the participation numbers from 2015 and the inclusion of Colchester into CCST, the towns that will be targeted for outreach in 2016 are: Colchester, Essex and Essex Junction.



Chittenden County Stream Team Summary of Activities January-December 2015

Table 2: Participation in Hands-On /Event-Driven Projects

Activity	Location	Participant Town									Total
		Burlington	South Burlington	Essex	Essex Jct	Milton	Shelburne	Williston	Winooski	Other/ Unkown	
Adopt-a Rain Garden Maintenance Days	Multiple	7	12	0	9	0	0	4	0	0	32
WQ Monitoring Training and Volunteer appreciation	Williston	7	5	1	2	0	1	4	2	0	22
WQ Monitoring Volunteers	Multiple	5	4	0	0	0	1	3	1	0	14
Stream Clean-Up	Winooski	0	0	0	0	0	0	0	10	0	10
Painting Barrels for CTD Display	Hinesburg (CVU)	0	0	0	0	0	1	3	0	3	7
Rain Barrel Workshop	South Burlington	9	14	0	0	0	3	0	0	6	32
Rain Barrel Decorating	Williston	0	0	0	0	0	0	17	0	0	17
Rain Barrel Workshop	Williston	0	3	1	1	3	0	22	0	2	32
Stream Clean-Up	South Burlington	0	22	0	0	0	0	0	0	0	22
		28	60	2	12	3	6	53	13	11	188

Other Vermont towns that are not part of the Chittenden County Stream Team participate in CCST activities. The chart below identifies towns with significant participation (Table 3).

Table 3. Participation in CCST Activities from Non-Member Towns

CCST Outreach and Event Participation Beyond Participating MS4 Towns									
	Huntington	Jericho	Richmond	Hinesburg	Charlotte	Colchester	Montpelier	St. Albans	Total
Facebook likes	1	4	0	3	0	7	4	4	23
e-news	1	2	4	3	1	12	0	2	25
website visits	0	2	1	6	1	26	48	8	92
Green-Up Day tabling in Milton	0	0	0	0	0	3	0	0	3
Burlington Farmers Market	0	0	0	0	0	2	0	0	2
Burlington's Summervale	0	0	0	0	1	0	0	0	1
Water Works Fair (BTV)	0	0	0	0	0	1	0	0	1
Shelburne Harvest Fest	0	0	0	0	0	0	2	2	4
Shelburne Farmers Market	0	0	0	2	0	0	0	0	2
	2	8	5	14	3	51	54	16	153

Connecting the Drops 3.0

In 2013, the Winooski Natural Resources Conservation District received a grant from the Ecosystem Restoration Program, VT DEC, for Let it Rain, a technical and financial assistance program aimed at supporting landowners in the installation of low impact development practices, and subsequently received funding from the Lake Champlain Basin Program to support this initiative with funding for outreach and education to landowners about stormwater. Connecting the Drops emerged from Let it Rain as an art and education installation about stormwater, featuring rain barrels, in downtown Burlington in the summer of 2013. WNRCD received a \$40,000 grant from ECOS to develop Connecting the Drops. RSEP provided an additional \$12,500 to leverage the exhibit's exposure for logo placement on print and web ads, signage, website, fliers, and verbal recognition at public events associated with the exhibit.



Chittenden County Stream Team Summary of Activities January-December 2015

Based on the successful outcomes of the 2013 campaign, RSEP members requested a proposal for a second year of the Connecting the Drops Project, known as Connecting the Drops 2.0 (CtD 2.0). With a significantly smaller scope, Lake Champlain Sea Grant (LCSG) worked with The Chittenden County Stream Team (CCST) to develop a “traveling” version of the Connecting the Drops exhibit to be held in Essex Junction during the summer of 2014. CtD 2.0 had a significant impact on successfully meeting and exceeding CCST’s outreach goals in 2014. The amount spent by CCST (\$1,728.77) on CtD2.0 was six percent of CCST’s FY15 budget. This relatively small budget percentage had a large impact on overall community participation numbers, which exceeded workplan goals in 2014. Due to the success of CtD2.0, CCST decided to pursue a third year of the campaign, Connecting the Drops 3.0 (CtD 3.0). The Town of Williston was selected because it was a 2015 CCST target town and there was support from town representatives.

Full reports on the details of the CtD 3.0 and all of the Connecting the Drops campaigns are available and on file with the CCST chairs.

A total of seven rain barrels were displayed at Williston Community Park for the CtD 3.0 exhibit displayed from May 23-June 29, 2015. Five barrels were decorated by local artists and two barrels were decorated by student artists from the Champlain Valley Union High School Art Club. In addition to the display in Williston Community Park, there were two outreach events associated with CtD 3.0 and a build-your-own rain barrel workshop. Throughout the five weeks that the rain barrels were on display in Williston Community Park before the give-away, 85 people applied through the Let it Rain website/QR code on the display signage to win a rain barrel (Table 4); an additional 30 people signed up during the Independence Day celebration (Table 5) for a total of 115 sign-ups.

Table 4. Rain Barrel Sign-Ups by Town (QR Code)

Town	# of People
Burlington	4
Essex	2
Essex Junction	9
South Burlington	2
Williston	55
Colchester	2
Other	11
TOTAL	85

Table 5. Rain Barrel Sign-Ups by Town (During Event)

Town	# of people
Williston	26
Essex	2
Essex Junction	1
Burlington	1
Total	30

The total cost to plan, manage and implement CtD 3.0 was \$3,800.84. In addition to personnel hours for project management and travel funds, the primary costs are compensation for the five professional artists (\$1,000) and paid advertising (\$722.10). CCST staff used 48.5 personnel hours and \$94.55 of mileage to plan and execute CtD3.0.

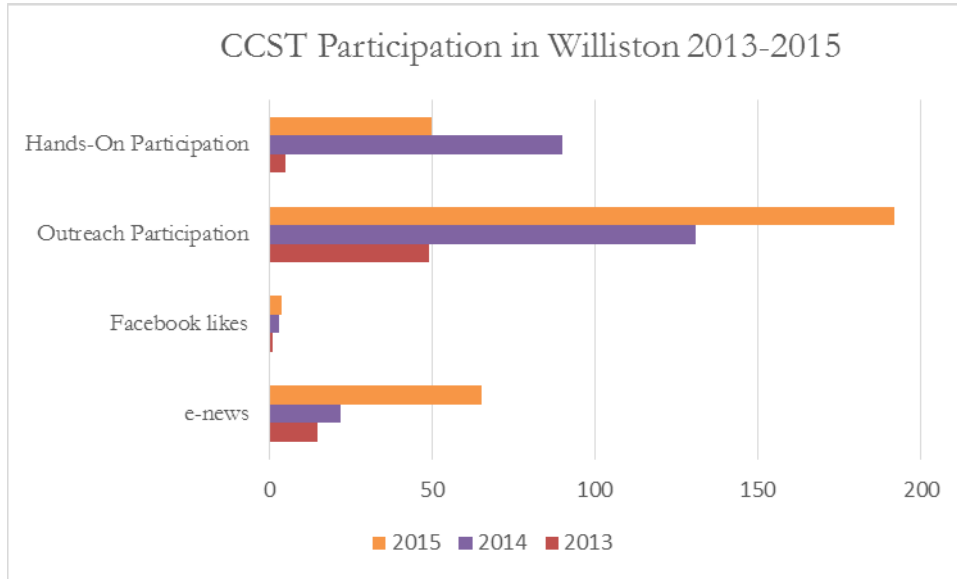
Connecting the Drops 3.0 had a significant impact on CCST’s successful year in 2015. The amount spent by CCST (\$3,800.84) is 14 percent of CCST’s FY15 budget. This relatively small budget percentage had a large impact on the overall participation numbers in 2015. All workplan targets for outreach and event participation in Williston were exceeded through the CtD 3.0 events. Additionally, the draw of signing up to win a rain barrel at the Williston Independence Day Celebration resulted in the largest impact in terms of outreach that CCST has made in Williston to date. Not only did Williston residents sign up to win a barrel, but many of them took outreach materials, talked with CCST staff and/or decorated CCST’s chalkboard rain



Chittenden County Stream Team Summary of Activities January-December 2015

barrel. A comparison of participation numbers in Williston between 2013, 2014 and 2015 for equivalent events and interactions is provided below (Figure 1). The elevated outreach numbers may be attributed to the increased CCST presence and advertising efforts that occurred through CtD3.0.

Figure 1. Williston Participation Numbers 2013-2015



Adopt-a Rain Garden Program Summary

The Stream Team’s Adopt-a-Rain Garden program is an opportunity for individuals to assist in keeping Chittenden County’s public rain gardens clean and attractive by performing basic maintenance activities like picking up litter, pulling weeds, and installing new mulch. The “adopted” gardens are of varying age and origin. A few were installed by the Winooski Natural Resources Conservation District/Chittenden County Stream Team, some have been in existence for a long time and needed extra care, while others are new. Information about CCST adopt-a-rain garden program is available on the Stream Team [website](#). In 2015, CCST chairs approved funding to create signage for the rain gardens. The signs were printed and installed in several gardens.

Following is a description of the status of each of the CCST public rain gardens; Table 6 condenses the information:

Brownell Library Rain Garden

Location: 6 Lincoln St. Essex Junction

Status: This garden has existed for many years and has several mature shrubs. Unfortunately, several of the mature shrubs are the invasive burning bush (*Euonymus alatus*.) Although the garden does not currently have an adopter, it has had an active adopter over the last several years. Additional plants and mulch were added to the garden in 2013 and 2014. It has been weeded and well-maintained in 2013, 2014 and 2015. Brownell Library staff are interested in getting rid of the burning bush. CCST would like to work with the Village of Essex Junction to remove the invasive plants and seek replacement shrubs.



Chittenden County Stream Team

Summary of Activities January-December 2015

Callahan Park Rain Garden

Location: Locust St., Burlington

Status: This garden has been functioning well for some time, despite its surrounding conditions. In 2013 the garden began to experience significant slumping. Work was done to repair the slumping, which caused the loss of many plants. However, the garden appears to be building back up and doing better. This garden has an active volunteer, Brad Ketterling, who is committed to weeding and monitoring the garden. This garden received donated plants in 2015. Brad is interested in adding more pollinator species in the future.

Chamberlain School

Location: 262 White Street, South Burlington

Status: This garden was installed in partnership with WNRC and the Let it Rain Program in 2013. This is one of several rain gardens on the grounds of Chamberlain Elementary. Chris Provost has adopted this garden and actively maintains it. He often uses his students to help maintain the gardens and uses the gardens as an educational aide. Additional plants and mulch were provided to these gardens in 2014 and 2015.

Coast Guard Station

Location: Depot Street, Burlington

Status: This garden was very overgrown for some time. It is a small garden in a large parking lot at the edge of Lake Champlain. In 2014, CCST worked with the ECHO summer kids program to engage elementary school children in rain gardens. In several work sessions over the summer, the students pulled weeds, removed trash, planted dozens of new plants and applied mulch. The garden is doing very well and now has an active adopter, Wiley Reading.

Correctional Facility

Location: 7 Farrell St., South Burlington

Status: This garden is visible from the road and appears to be functioning. Originally, employees of the prison adopted this garden and would occasionally maintain the garden with inmates. There has been a lot of staff turn-over in the past few years without a clear adopter. In 2013, CCST delivered upwards of 50 plants to the center to be planted by the inmates. We were told that there was a weed-pulling day in 2014.

Farrell Park

Location: Swift Street, South Burlington

Status: This garden is unique in terms of its design. It is called an “advanced wetland stormwater filter.” It was installed in 2012. Stormwater enters the garden through inlet, flows through the gravel wetland filter media, is cleaned and exits through other end. The garden requires very little maintenance because it has a flushing system that prevents sediment from building up. This garden had an active adopter for its entire life, until 2015 when the adopter moved away. The garden was not ever in need of additional plants or maintenance. It would not be appropriate to add mulch to this garden. CCST would like to find another adopter to bring any issues to our attention.

Landry Park

Location: North St., Winooski

Status: This garden was constructed in 2006. It was originally constructed as two separate gardens along the narrow strip of grass between a fence at Landry Park and the road. Over the years, the garden has fallen into



Chittenden County Stream Team Summary of Activities January-December 2015

disrepair. A few years ago, nearby road construction altered the slope of the road carrying larger volumes of water into the garden. The increased flows have killed most of the vegetation and caused gullies to form. Over the years, CCST has attempted to add more vegetation and mulch in hopes of slowing the flow, but these attempts have not been successful. The City of Winooski is willing to work with CCST to repair the garden. Currently UVM students in an Ecosystem Design course are developing recommendations to repair the garden. There is no current adopter; the adoption program was put on hold for this garden as we try to address its problems.

Williston Town Hall Annex

Location: 7900 Williston Rd, Williston

Status: This small garden, near the entrance walkway to the Annex building and the parking lot, has had an active adopter since 2014, Rita Desseau. Each year she weeds the garden and has installed plants and mulch as needed. In 2013, after an absence of care for a year, UVM students helped clear the garden of trash and weeds.

Williston Library

Location: 21 Library Lane, Williston

Status: This garden has had an active adopter for many years. Andrew Wolf cares for the garden and keeps CCST posted on its status. The garden is functioning properly, is weeded and not in need of any extra care.

New Garden:

South Burlington Fire Department

575 Dorset St.

Status: South Burlington recently installed a bioretention area/rain garden to improve stormwater management at the Fire Department. <http://www.sburlstormwater.com/stormwater-projects/city-offices-stormwater-improvement-project/>. We have been actively looking for a volunteer to maintain this garden over time.

Table 6. CCST 2015 Rain Garden Status Update

Town	Garden Name	Adopter	Last Miantenance	Needs
Burlington	Coast Guard Station	Yes	plants/mulch 2014, 2015 weeding	None
Burlington	Callahan Park	Yes	plants/weeding 2015	None
South Burlington	Farrell Park	No	monitored through 2014	Nothing for garden, but do need a new adopter
South Burlington	Correctional Center	Yes	2014 plants/weeding	Touch base with new staff
South Burlington	Chamberlain School	Yes	2015 plants/mulch	none
South Burlington	Fire Station	No	new garden	needs adopter
Essex Junction	Brownell Library	No	2014/2015 new plants, weeding	Needs new adopter, needs removal of invasives
Williston	Town Hall Annex	Yes	2015 weeding/2014 mulch and plants	None
Williston	Willsiton Library	Yes	2015 plants/weeding	None
Winooski	Landry Park	No	2014 plants, weeding (2015 maintenance on hold)	Serious attention/redesign



CCST Work Plan 2015 (calendar year)												
TASKS	DESCRIPTION	DELIVERABLES	MEASURES OF SUCCESS	2011 Actual	2012 Actual	2013 Actual	2014 Target	2014 Actual	2015 Target	2015 Actual (As of 12/31/2015)		
Ongoing Tasks												
Quarterly reports and Annual Summaries	Prepare reports and summaries for review by committee	<ul style="list-style-type: none"> Annual report Quarterly summary of activities 	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Steering Committee Meetings	Prepare information and attend regular meetings	<ul style="list-style-type: none"> Attend meetings with well-prepared information 	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Expense Tracking	Track all expenses by maintaining simple accounting system	<ul style="list-style-type: none"> Have accounting information readily available for partners 	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Communication with CCRPC and Partners	Keep in regular communication with partners on progress	<ul style="list-style-type: none"> Provide monthly updates on progress of initiatives via meetings or email 	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Increase Revenue	Solicit and secure in-kind or cash donations from individuals, businesses, and non-member towns	<ul style="list-style-type: none"> Corporate Sponsors Associate members Individual Donations 	Donation received	0	\$200 in plants	+\$500 in plants and donation towards sign	n/a	+\$300 in plants, and RB cleaning supplies (\$15)	n/a	+\$150 in RG plants, \$43 in individual donation		
Media Coverage	Increase media coverage of Stream Team happenings via local media outlets	<ul style="list-style-type: none"> Inform local media prior to any activity within a town Post volunteer ops on media calendars 	Independent News Pieces (articles, TV stories, published photos etc.)	3	1	3	3	4	3	6 (Milton Independent 5/7, Williston Observer 5/21/15 & 7/30/15, The Citizen 5/14/15, Shelburne News 5/6/15, WEF newsletter 5/5/15)		
Promotional Item Development	Develop additional maps and flyers to be distributed in focus areas to increase interest of residents	<ul style="list-style-type: none"> Develop more robust CCST informational materials 	Handouts/Flyers Developed	1	1	0	n/a	7	n/a	4 (RB workshop fliers, RG booklet, RG brochure)		
Partnership Development	Foster partnerships with organizations and groups to increase our reach. (Such as send all volunteer opportunities to Master Gardener Listserv with at least a 1-week lead-time Meet with conservation commissions, WVPD, ReSource, LCI, LCC etc.)	Successful partnership on one or more project in the calendar year	Number of organizations partnered with	3	4	5	n/a	12	5	9 (Town of Williston, SB NRC, SB Dept. of PW, Milton CC, CVU art club, Winooski Teen Center, Sea Grant, SB High School, local gardener)		
Outreach												
Website and FB	Keep Website and Facebook page populated with information, photos and ways to get involved	<ul style="list-style-type: none"> Biweekly information addition – photo, volunteer opportunity, upcoming events etc. Targeted marketing of online pages at outreach events 	Website Hits (Google Analytics)	317	802	801	800	1,454	850	1,773		
			Total FB “Likes”	55	66	83	95	104	114	120		
CCST Mailchimp Updates	Continue to send regular updates of CCST happenings via email mailing list	<ul style="list-style-type: none"> Quarterly mailing updates Increase mailing list 	Total Mailing List	217	246	261	275	290	300	459		
Outreach Events	Provide presence at community events to share CCST information to a broad audience. Focus on populations with low	<ul style="list-style-type: none"> Attend or organize a minimum of 3 outreach events within project area 	Participants Total	n/a	116	154	n/a	237	200	360		
			Burlington Participants	n/a	n/a	n/a	n/a	n/a	n/a	100		
			Milton Participants	n/a	n/a	n/a	n/a	n/a	41			

	participation numbers from previous years. Outreach activities should generally occur in the fall in preparation for spring implementation.			Shelburne Participants	n/a	n/a	n/a	n/a	n/a	n/a	35
Event-driven Tasks (Program & Project Implementation)											
Stormwater Project/Programming	Complete projects in three towns. Focus on towns that were targeted for outreach in the previous year.	<ul style="list-style-type: none"> ● A minimum of 3 projects completed such as: <ul style="list-style-type: none"> ○ Stream Cleanup ○ Catch Basin Stenciling ○ Buffer Planting ○ Rain Garden Installation ○ Rain Barrel/Garden Workshops ○ Adopt-A-Rain Garden ○ WQ Sampling ○ Flow Monitoring 		Projects	4	7	5	3	11	3	9
				Volunteers Total	75	153	159	100	254	100	188
				South Burlington Volunteers	n/a	n/a	n/a	10	n/a	10	60
				Winooski Volunteers	n/a	n/a	n/a	10	n/a	10	13
				Williston Volunteers	n/a	n/a	n/a	10	n/a	10	53
Adopt a Rain Garden Programming	Match volunteers with public rain gardens in need of care	<ul style="list-style-type: none"> ● Signed agreements between CCST and adopters to care for rain gardens 		Gardens Adopted	0	8	9	10	9	10	8
Water Quality Sampling	Continue projects to engage community members in water quality sampling	<ul style="list-style-type: none"> ● Maintain and/or expand sampling sites on various streams in participating towns 		Project Sites	0	13	14	13	13	13	14
Volunteer-lead Activity	Encourage volunteers to take ownership of a task	<ul style="list-style-type: none"> ● Volunteer leaders taking charge of activities in towns (fewer staff hours) 		Volunteer coordinated event-tabling or stream clean-up	0	0	0	1	0	1	0
Volunteer Appreciation Event	Recognize outstanding Stream Team volunteers at an award ceremony	<ul style="list-style-type: none"> ● Host an event with certificates to thank our volunteers 		Event held with attendance from 10 recognized volunteers	0	0	0	0	1	1	1

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BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix E

Individual Construction Stormwater Discharge Permits Issued in 2015

- **Permit #3028—INDC
Housing Removal on Airport Acquired Land**
- **Permit #3028-INDC.1
Construct, Mark and Light Taxiway “G/K”,
Phase 1 and Rehabilitate a portion of
Terminal Apron, Phase 2**
- **Permit #3028—INDC.1A
Terminal Apron Phase 2, Heritage Parking
Lot, Material Relocation in Quarry**
- **Permit #3028—INDC.2
Rehabilitation of Portions of the Terminal
Apron Phases 3-9**

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BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028—INDC
Housing Removal on Airport Acquired Land**

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Notice of Authorization

Individual Discharge Permit for Stormwater Runoff from Construction Activities



Project Name: Housing Removal on Airport Acquired Land

Permit Number: 3028-INDC

Permittee Name: City of Burlington, Burlington International Airport

Date of Issuance: 04/23/2015

Date of Expiration: 04/23/2020

The above project has been issued an Individual Permit to discharge stormwater for the construction of the Housing Removal on Airport Acquired Land. This project involves properties acquired by BTV to be demolished.

This permit includes the following requirements:

1. Implementation of the authorized site-specific Erosion Prevention and Sediment Control Plan.
2. All areas of disturbance must have temporary or final stabilization within **7 days** of the initial disturbance. After this time, any disturbance in the area must be stabilized at the end of each work day. The following exceptions apply:
 - a. Stabilization is not required if work is to continue in the area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation, utility trenches).
3. The total earth disturbance associated with construction of this project is approximately 13.24 acres. The maximum area of earth disturbance at any one time allowed under this permit is **12 acres**.
4. With certain exceptions described in Part III A. of the permit, Inspections shall be conducted at least once every seven (7) calendar days and as soon as reasonably possible, during, or after, every rainfall event which produces runoff from the construction site.
5. If there is a discharge of visibly discolored stormwater from the construction site or from the construction site to waters of the State, the permittee shall inspect and maintain Best Management Practices as soon as practicable and take corrective action in accordance with Part III. B. of this permit.
6. The On-site Plan Coordinator shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site. If an on-site location is unavailable to store the EPSC Plan when no personnel are present, notice of the plan's location shall be posted near the main entrance at the construction site.

To request information on this authorization or to report compliance concerns please contact:

**Vermont DEC, Watershed Management Division
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3222
(802) 828-1535**

[See next page for posting requirements]

Permittee Directions for Posting:

This notice shall be placed near the construction entrance at a location visible to the public. If displaying near the main entrance is infeasible, the notice shall be posted in a local public building such as the town hall or public library. For linear projects, the notice shall be posted at a publicly accessible location near the active part of the construction project (e.g. where a pipeline project crosses a public road or at a project staging area).

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
1 NATIONAL LIFE DRIVE, MAIN 2
MONTPELIER, VT 05620-3522

DISCHARGE PERMIT
NPDES Number: VTS0000163
Permit Number: 3028-INDC

For Stormwater Runoff from the Housing Removal on Airport Acquired Land located along Airport Drive and adjacent streets in South Burlington, Vermont, discharging to Potash Brook, Centennial Brook, and 2 unnamed tributaries to the Winooski River.

In compliance with provisions of the following state and federal laws and rules: the Vermont Water Pollution Control statute, 10 V.S.A. Chapter 47, including §§1258, 1259 and 1263; the Vermont Water Pollution Control Rules, Chapter 13, the federal Clean Water Act, as amended, 33 U.S.C. 1251 et seq., including 33 USC 1342(p); and the regulations of the federal Environmental Protection Agency including 40 CFR 122.26 and in accordance with terms and conditions hereinafter specified,

Permittee: City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Co-Permittees: (All principal operators shall obtain coverage as co-permittees prior to the commencement of construction activities.)

are hereby authorized by the Secretary of the Agency of Natural Resources (ANR), to discharge stormwater runoff from the construction site of the Housing Removal on Airport Acquired Land located along Airport Drive and adjacent streets, discharging to Potash Brook, Centennial Brook, and 2 unnamed tributaries to the Winooski River.

This authorization incorporates by reference the following Erosion Prevention and Sediment Control Plan (EPSC Plan) provided by the applicant to the Secretary:

Sheets:

A1. "Overall 2014/2015 Construction Location Plan", dated 8/20/14, revised 03/19/15; "EPSC Plan Typical Location", dated 09/2014, revised 3/19/15; "EPSC Final Stabilization Plan- Typical Location", dated 09/2014; "EPSC Plan Centennial Brook Location", dated 09/2014, revised 3/19/15; "EPSC Final Stabilization Plan- Centennial Brook Location", dated 09/2014; "EPSC Details- Sheet 1 of 4", dated 09/2014; "EPSC Details- Sheet 2 of 4", dated 09/2014; "EPSC Details- Sheet 3 of 4", dated 09/2014; "EPSC Details- Sheet 4 of 4", dated 09/2014; "EPSC Plan- General Notes", dated 09/2014; "EPSC Narrative- Sheet 1 of 2", dated 02/2015, revised 3/19/15; "EPSC Narrative- Sheet 2 of 2", dated 09/2014; "Contract 1 Typical Site Plan", dated 02/2015.

Prepared by Stantec
Received 02/20/2015

Part I. Coverage Under this Permit

A. Discharges Covered by this Permit

Subject to compliance with the terms and conditions of this permit, this permit authorizes the discharge of pollutants in stormwater associated with the Housing Removal on Airport Acquired Land located along Airport Drive and adjacent streets, discharging to Potash Brook, Centennial Brook, and 2 unnamed tributaries to the Winooski River. This permit only applies to construction activities performed in accordance with the approved EPSC Plan. This permit also authorizes discharges from excavation dewatering activities in accordance with Part II.H of this permit.

B. Limitations on Coverage

1. The Secretary has determined that an individual permit is required for this project.
2. This permit does not authorize:
 - a. Discharges of post-construction regulated stormwater runoff from impervious surfaces regulated pursuant to Vermont's stormwater statute (10 V.S.A. Section §1264) and Vermont Department of Environmental Conservation's (DEC) stormwater rules (i.e. Chapters 18 and 22 of DEC's Environmental Protection Rules);
 - b. Stormwater discharges not associated with construction activities;
 - c. Stormwater discharges from construction related activities when the discharge or activity is likely to jeopardize the continued existence of any State or federally listed threatened or endangered species or result in the destruction or adverse modification of critical habitat.

C. Off-Site Support Activities

The permittee shall obtain permit coverage from DEC prior to the use of any support activities occurring outside of the approved project boundaries (e.g. equipment staging areas, material storage areas, excavated material disposal areas and borrow areas). Support activities outside of the approved project boundaries shown in the EPSC Plan shall obtain coverage by amending this permit, or by obtaining coverage under a different individual discharge permit or under DEC's General Permit for Stormwater Runoff from Construction Sites.

D. Co-Permittees

1. In addition to the permittee, all parties associated with the construction activity who meet either of the following two criteria must obtain coverage under this permit as co-permittee prior to the commencement of construction activities:
 - a. The party has operational control over construction plans and specifications, including but not limited to the ability to make modifications to those plans and specifications; or
 - b. The party has continuous day-to-day operational control of those activities at the project that are necessary to ensure compliance with an EPSC Plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the EPSC Plan or comply with other permit conditions).

Part II. Erosion Prevention and Sediment Control Requirements

A. Implementation of EPSC Plan

1. Each permittee is responsible for implementing the approved EPSC Plan and shall at all times comply with the approved EPSC Plan or amended versions of the EPSC Plan updated in accordance with this permit.

2. The EPSC Plan is incorporated by reference and included in the terms of this permit, and each permittee shall implement the provisions of the EPSC Plan, and all amendments thereto, as a condition of this permit. Failure to comply with the EPSC Plan, and all amendments thereto, shall be deemed a violation of this permit and subject to potential enforcement.
 3. Each permittee is responsible for ensuring that each co-permittee involved in construction activities is familiar with the terms and conditions of the EPSC Plan and that each co-permittee's activities are carried out in accordance with the EPSC Plan.
 4. The permittee shall assure that construction of all small and large sediment control practices, where proposed on the site, are completed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control prior to upslope earth disturbance of areas for which these features are designed to provide sediment control.
 5. The permittee shall assure that, prior to earth disturbance within any area of the site located within 100 feet upslope of a stream or wetland, silt fence or approved perimeter control shall be installed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control and the EPSC Plan at an appropriate distance down slope from disturbed areas and upslope from such waters.
 6. The permittee shall install all required elements with the EPSC Plan within a given work area prior to earth disturbance within that work area. Earth disturbance includes, but is not limited to, stumping and grubbing of cleared areas.
- B. On-Site Plan Coordinator (OSPC)
1. The permittee shall designate a person as the OSPC who shall be directly responsible for on-site implementation of the EPSC Plan. Such person shall be knowledgeable in the principles and practice of erosion prevention and sediment controls and possess the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of all sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.
 2. The OSPC shall have the authority to stop and/or modify construction activities as necessary to comply with the EPSC Plan and the terms and conditions of this permit and shall be responsible for inspections and record keeping. The OSPC or his/her designee shall be on site on a daily basis during construction activity. The OSPC does not have to be the permit applicant.
 3. The name and daytime telephone number of the OSPC shall be filed in writing with DEC's Stormwater Management Program before the start of construction.
- C. Maintenance of Erosion Prevention and Sediment Control Measures
1. All erosion prevention and sediment control measures identified in the EPSC Plan shall be maintained in effective operating condition. If site inspections required by Part III.A identify Best Management Practices (BMPs) that are not operating effectively, maintenance shall be performed as soon as possible and before the next storm or snowmelt event to maintain the continued effectiveness of the measures. If implementing BMPs is impracticable before the next storm or snowmelt event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.

2. If existing BMPs need to be modified or if additional BMPs are necessary for any reason, implementation shall be completed before the next storm event. If implementing BMPs is impracticable before the next storm event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.

D. Modifications to the EPSC Plan Identified as Necessary by Inspections from DEC Representatives

1. If, based upon inspections or investigations by DEC representatives, it is determined that the EPSC Plan will not be sufficient to prevent runoff of visibly discolored stormwater from the construction site, the permittee shall modify the EPSC Plan as necessary to include additional or modified BMPs designed to correct problems identified. Revisions to the EPSC Plan shall be completed within seven (7) calendar days following the inspection or investigation.
2. At any time after issuing this permit, the Secretary may, in his or her sole discretion, determine that a stormwater discharge may cause, has reasonable potential to cause, or contribute to a violation of Vermont's Water Quality Standards. If such a determination is made, the Secretary will require the permittee to:
 - a. Amend the EPSC Plan to address adequately the identified water quality concerns;
 - b. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
 - c. Cease discharges of pollutants to surface waters from the construction activity.
3. The Secretary has the sole discretion to order a permittee to immediately stop all ongoing construction and construction-related activities upon a finding that a discharge or potential discharge from such activities presents a current or potential threat of harm to the environment. The Secretary's stop work order may also require the permittee to take all actions to prevent or correct the discharge or potential discharge. Any action taken by the Secretary pursuant to this subpart shall not limit the Secretary's authority to pursue other enforcement actions pursuant to 10 V.S.A Chapters 47 and 201.
4. Each revised EPSC Plan prepared pursuant to this Part shall be maintained on-site.

E. EPSC Plan Availability

The permittee shall provide a copy of the EPSC Plan and all amendments to the OSPC and all contractors responsible for construction activities. A copy of the EPSC Plan shall be kept on site at all times and shall be made available to the Secretary, or his or her designated representative, upon request.

F. Amending the EPSC Plan

1. The permittee shall amend the EPSC Plan prior to implementing any change in the design, construction, operation or other procedure which would alter the grading plan, construction sequence, or the location or implementation of any BMPs.
2. An amendment to the EPSC Plan is required, if after taking corrective action, as required in Part III.B, it is determined that the EPSC Plan requires an amendment to be effective in future efforts in preventing erosion and controlling the discharge of sediment.
3. An amendment to the EPSC Plan is required if the Secretary makes this determination pursuant to Part II.D.2 of this permit.

4. The OSPC is authorized to implement minor changes that involve substituting accepted interchangeable erosion prevention and sediment control practices, as detailed in the Vermont Erosion Prevention and Sediment Control Field Guide. The substitution of interchangeable practices shall be noted on the on-site EPSC Plan, on a form provided by the Secretary.
 5. For changes to the EPSC Plan other than substitution of interchangeable practices from the Vermont Erosion Prevention and Sediment Control Field Guide, the permittee shall have the EPSC Plan modified to reflect the change by either the original designer, a professional engineer licensed in the State of Vermont or a Certified Professional in EPSC. Such modification shall include a certification that the modified EPSC Plan meets the requirements of this permit and The Vermont Standards and Specifications for Erosion Prevention and Sediment Control on a form provided by the Secretary.
 6. All proposed changes to the EPSC Plan that do not conform to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control must be submitted to DEC for formal approval prior to implementation of the changes in the field. The submission shall include:
 - a. Narrative description of the plan changes;
 - b. Justification for the alternative EPSC practice(s);
 - c. Updated EPSC Plan sheets showing the proposed changes;
 - d. Any additional information required by the Secretary.
 7. Any change that involves earth disturbance substantially outside of the originally authorized limits of disturbance requires coverage under a separate authorization or amendment to this permit. Any such change shall require permittee to submit to DEC for formal approval prior to implementation of the change. In consideration for approval, DEC may consider several factors in determining whether the change is substantial and requires an amendment to the permit, including but not limited to size of additional area(s) to be disturbed, existing condition of area(s) to be disturbed, proximity to water resources and their buffers, and may consider whether the change will negatively impact water resources. The submission shall include:
 - a. Narrative description of the change(s);
 - b. Justification for the change;
 - c. Updated EPSC Plan sheets showing the proposed change(s);
 - d. Any additional information requested by the Secretary deemed necessary for consideration.
- G. Late Fall/Winter/Early Spring Construction Activities
1. If construction activities involving earth disturbance continue past October 15 or begin before April 15 (Winter Construction), the permittee shall implement Winter Construction EPSC practices as outlined in the EPSC Plan.
 2. If a permittee plans to undertake construction activities during Winter Construction and the EPSC Plan does not identify EPSC measures during this time period, the permittee shall submit a stand-alone EPSC Plan for this late fall/winter/early spring work to DEC for formal approval prior to undertaking such activities. The submission shall include a narrative description of the proposed work and the stand-alone EPSC Plan shall include only this work. The stand-alone EPSC Plan shall be designed according to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control.
 3. All possible measures will be taken to limit the exposure of soils during all late fall/winter/early spring construction activities. The Secretary reserves the right to require suspension of construction activities until after April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality. Also, the Secretary reserves the right to prohibit construction activities between

October 15 and April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality.

H. Dewatering Activities

1. A site-specific dewatering plan shall be employed for any dewatering activities. The dewatering plan shall detail the following:
 - a. Nature of activity requiring dewatering;
 - b. Location of the dewatering pumpage show on plan;
 - c. EPSC practice(s) to be used during dewatering activities; and
 - d. Anticipated duration of dewatering activities.

The use of EPSC practice(s) for dewatering activities not included in the original EPSC Plan are subject to the requirements of Part II.F.

Pumpage from areas excavated for the construction of the project shall be treated or disposed of in such manner that any dewatering discharge to waters of the state is visibly clear. Prior to any dewatering activities which may result in the pumpage reaching State waters by surface flow, the permittee shall measure and document the turbidity value to ensure that it is sufficient to comply with the terms and conditions of this permit. The inspection reports shall contain information on when dewatering is being done, measures being utilized for treatment, and effectiveness of those measures.

I. Disturbance Limitations/Stabilization

1. The total earth disturbance associated with construction of this project is approximately **13.24** acres. The maximum area of concurrent earth disturbance at any one time allowed under this permit is **12** acres.
2. All areas of earth disturbance must be stabilized within 7 days of initial disturbance. After this initial 7-day period, all disturbances in these areas must be stabilized on a daily basis, with the following exceptions:
 - a. Stabilization is not required if work is to continue in the disturbed area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet for stormwater) with a depth of 2 feet or greater (e.g. underground utility installation).
 - c. During Winter Construction, to ensure cover of disturbed soil in advance of a melt event, areas of disturbed soil must be stabilized at the end of each work day, in accordance with the previous exceptions.

J. Pre-construction Conferences

The permittee shall notify DEC of the planned start date and schedule a pre-construction conference at least two weeks prior to commencing construction. The pre-construction conference shall occur prior to initiating construction activities and shall be attended by the OSPC, EPSC Specialist, and a representative of DEC.

K. Compliance with Anti-Degradation Policy and Water Quality Standards

The Secretary has determined that the permitted discharges satisfy Vermont's Anti-degradation Policy provided in Section 1-03 of the Vermont Water Quality Standards and the Department of Environmental Conservation's Interim Anti-degradation Implementation Procedure because the applicant has demonstrated how the proposed development will implement practices and monitor construction to ensure water quality is maintained in the receiving waters. In particular, the applicant has demonstrated how the proposed

development will implement appropriate best management practices (BMPs) during construction in accordance with the Erosion Prevention and Sediment Control Plan (EPSC Plan) and how the applicant will ensure the project is closely monitored throughout construction.

Part III. Inspections, Discharge Sampling, Corrective Action, and Recordkeeping

A. General Inspection Requirements

1. The permittee is responsible for inspecting and maintaining erosion prevention and sediment controls that minimize or eliminate pollutants in the discharge in accordance with the requirements of this permit.
2. Inspections shall be conducted at least once every seven (7) calendar days and as required in Part III.B of this permit.
3. During the late fall/winter/spring construction season (October 15th through April 15th), daily inspections shall be conducted of areas that have been disturbed and are not yet finally stabilized.
4. Inspection frequency may be reduced to not less than one (1) per month if the entire site is temporarily stabilized.
5. Inspections may be postponed indefinitely if the entire site is permanently stabilized.
6. Inspections shall be conducted by, or under the direction of, the OSPC.
7. Inspections shall include all areas of the site disturbed by construction activity and all discharge locations, including areas with temporary stabilization.
8. An inspection report shall be completed for each inspection and signed by the OSPC or the person acting under the direction of the OSPC. At a minimum, each inspection report shall include:
 - a. The inspection date;
 - b. Names, titles, and qualifications of personnel making the inspection;
 - c. A general description of weather information for the period since the last inspection (or since commencement of construction activity if the first inspection) including a description of any precipitation, any runoff of visibly discolored stormwater from the construction site and any discharges of visibly discolored stormwater from the construction site to waters of the state;
 - d. A description of current weather information and a description of any runoff or discharges of visibly discolored stormwater to waters of the state occurring at the time of the inspection;
 - e. Location(s) of runoff or discharges of visibly discolored stormwater to waters of the state from the construction site;
 - f. Location(s) of BMPs that need to be maintained;
 - g. Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
 - h. Location(s) where additional BMPs are needed that did not exist at the time of inspection;
 - i. Any corrective action required including any necessary changes to the EPSC Plan and implementation dates;
 - j. Description of areas that are currently disturbed and areas that have been temporarily or finally stabilized since last inspection;
 - k. A description of the soil conditions (e.g. dry, wet, saturated); and
 - l. A certification that the construction activities are now in compliance with the EPSC Plan and this permit.

9. A record of each inspection report and of any actions taken in accordance with this Subpart shall be maintained on-site with the EPSC Plan and shall be made available upon request by DEC representatives.
10. When site conditions between April 15th – May 15th are similar to winter conditions (e.g. snow cover, frozen ground and/or saturated soils) within the areas of planned earth disturbance, the appropriate winter restrictions on page 3.19 of the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control selected by the OSPC shall be applied to the portions of the site that are experiencing those conditions.

B. Inspection, Sampling and Corrective Action Requirements

1. As soon as reasonably possible, during, or after, every rainfall event or snowmelt event which produces runoff from the construction site, the OSPC shall inspect for the runoff of visibly discolored stormwater from the construction site. If there is runoff of visibly discolored water from the construction site, the OSPC shall as soon as practicable inspect and maintain BMPs for compliance with the approved EPSC plan. For purposes of this permit, “construction site” shall mean the land or water area where any facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity or the area of earth disturbance directly associated with the permitted construction activity.
2. If after inspecting and maintaining existing BMPs in accordance with Part III.B.1, the runoff of visibly discolored stormwater continues, the OSPC shall sample the runoff as follows:
 - a. A turbidity sample shall be taken at each point where visibly discolored stormwater runs off the construction site. Samples shall be representative of the flow and characteristics of the runoff.
 - b. If due to unexpected circumstances an OSPC is unable to sample during periods of runoff, the monitoring report shall include a brief explanation of such circumstances.
 - c. Sampling is required at all points where visibly discolored stormwater runoff from disturbed areas that have not been finally stabilized leaves the construction site.
 - d. All sampling points shall be identified on the EPSC Plan site map and be clearly marked in the field with a flag, tape, stake or other visible marker.
 - e. After approval by DEC, sampling may be discontinued at those points of stormwater runoff that are deemed to pose no risk of discharge to waters of the state.
3. If the turbidity sample taken is 25 NTU or lower, no further sampling or action is required during this particular event.
4. If the turbidity sample taken is greater than 25 NTU:
 - a. The OSPC shall as soon as practicable evaluate the need for supplemental BMPs and install such BMPs as necessary to correct the runoff.
 - b. The OSPC shall, within 72 hours of first discovering the runoff, submit a written report about the runoff and resulting corrective action to the Secretary. The report shall:
 - i. Be on a form provided by the Secretary
 - ii. Describe the cause, time and date, and location of the runoff;
 - iii. Describe the status of construction and conformance with the EPSC Plan at the time of the runoff;
 - iv. Detail the corrective action taken to stop the runoff, including a description of the actions taken, their location, and the time and date of the corrective action; and
 - v. Be copied and a copy retained on-site with the EPSC Plan.

- c. The EPSC Plan shall be updated within 72 hours to reflect the actions taken.
5. After taking the actions required in Part III.B.4.a above, and if the runoff of visibly discolored stormwater continues, the OSPC shall again follow the inspection and sampling requirements in Part III.B.2 above. If the turbidity sample is less than 25 NTU then no further action is needed. If the turbidity sample is greater than 25 NTU, the OSPC shall immediately notify DEC's Stormwater Program. DEC may require the OSPC to reevaluate existing BMPs and install supplemental BMPs as necessary to correct the runoff. At the Secretary's discretion, DEC may also require the OSPC to continue sampling runoff daily when runoff is occurring until:
 - a. Turbidity is 25 NTU or lower; or
 - b. The runoff stops or is eliminated.

C. Recordkeeping

1. The following records shall be maintained on-site with the EPSC Plan:
 - a. Inspection reports prepared pursuant to Part III.A of this permit;
 - b. Discharge Reports, Corrective Action reports and Summaries of Releases prepared pursuant to Parts III.B and VIII.C of this permit;
 - c. Notices of Addition or Termination of Co-Permittees submitted to the Secretary in accordance with Part V of this permit;
 - d. Any Notices of Termination for Portions of the On-going Construction Site in accordance with Part V of this permit; and
 - e. Any amendments to the EPSC Plan required by this permit.
2. A copy of the authorized EPSC Plan shall be on-site during normal working hours from the date of commencement of construction activities to the date of final stabilization. EPSC Plans shall be made available upon request by DEC representatives.
3. The OSPC shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site.
4. The permittee shall post a Notice of Authorization, provided by the Secretary, demonstrating authorization under this permit. The notice shall be placed near the construction entrance at a location visible to the public.

Part IV. EPSC Specialist Oversight

EPSC Specialist

1. In addition to the regular inspections required under Part III.A., the permittee shall designate an EPSC Specialist who will be responsible for performing environmental inspections during the project; confirming water resources protection throughout the project, and for related record keeping. The name, address, telephone number, and basic qualifications of the person shall be provided to DEC for approval before the commencement of construction. This person shall not be the OSPC.
2. The EPSC Specialist shall determine, confirm, and report whether the EPSC Plan is being followed and that appropriate revisions are being made to the EPSC Plan when the EPSC Plan proves inadequate. In addition, the EPSC Specialist shall, in conjunction with the OSPC bear the responsibility of reviewing

the site to ensure compliance with the approved EPSC Plan and to direct corrective action in accordance with Part III.B of this permit.

3. The EPSC Specialist shall notify the contractor when changes in practice are necessary to comply with the EPSC Plan and the terms and conditions of this permit. The EPSC Specialist shall be responsible for inspections, photo documentation, and record keeping and shall, biweekly during earth disturbance activities, file with DEC a report outlining:
 - a. Construction status;
 - b. EPSC practices installed and removed since last report;
 - c. New measures undertaken subsequent to the prior report;
 - d. Erosion problems encountered and how and when resolved;
 - e. Status of the project in terms of consistency with the planned construction sequence;
 - f. Description, including location and total area (acres), of disturbed land at the time of the inspection;
 - g. Description of areas temporarily or permanently stabilized since the last inspection record;
 - h. Changes in the EPSC Plan that are required (including submission for authorization from DEC, when necessary);
 - i. When dewatering is underway, discussion and photographs of measures being utilized for treatment, and turbidity monitoring results in conformance with Part III.H of this permit;
 - j. Photographs of areas stabilized since the prior report;
 - k. Photographs of all disturbed areas;
 - l. Photographs of receiving water(s) at turbidity monitoring location(s); and
 - m. All turbidity monitoring results collected since prior report in accordance with Subpart III.B of this permit.

4. In advance of the start of construction, the EPSC Specialist shall present to DEC for approval the proposed reporting format. Construction may not commence prior to DEC's written approval of the reporting format and schedule. Bi-weekly reports shall be submitted by the Wednesday, or as soon as responsibly possible, following the end of the bi-weekly period. EPSC Specialist reports shall be filed via mail with:

Department of Environmental Conservation
Watershed Management Division
Stormwater Management Program
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3522

Or, via email to the appropriate Stormwater Management Program representative.

5. Each inspection report shall be prepared in consultation with the OSPC, shall include a review of the OSPC's inspection reports since the last inspection period, and shall be signed by the EPSC Specialist.

Part V. Transfers of Permit, Co-Permittees, and Termination

A. Transfer of Permit Coverage

1. A transfer of this permit may occur only in connection with the transfer of the entire construction site to a new owner.

2. A Notice of Transfer must be submitted to the Secretary not later than thirty (30) days prior to the transfer and shall include the following:
 - a. The name and address of the present permittee;
 - b. The name and address of the prospective permittee;
 - c. The proposed date of transfer; and
 - d. A statement signed by the prospective permittee, stating that:
 - i. The conditions of the facility operation that contribute to, or affect, any discharge will not be materially different under the new ownership;
 - ii. The prospective permittee has read and is familiar with the terms of the permit and agrees to comply with all the terms and conditions of the permit; and
 - iii. The prospective permittee has adequate funding or other means to effect compliance with all the terms of the permit.
- B. Adding or Terminating Co-Permittees
1. An owner or principal operator may be added as a co-permittee by filing a Notice of Addition of Co-Permittee form with the Secretary. The Co-Permittee shall be subject to all the terms and conditions of this permit and the EPSC Plan.
 2. If the owner of the construction site obtains coverage under this permit and the owner is not the principal operator or the sole principal operator, then all principal operators shall obtain coverage as co-permittees in accordance with this Subpart prior to the commencement of construction activities.
 3. A co-permittee may be terminated as a Co-Permittee by filing a Notice of Termination of Co-Permittee form on a form provided by the Secretary. The Co-Permittee shall only be terminated from the permit upon approval by the Secretary.
- C. Notice of Termination for Portions of an On-going Construction Site
1. A permittee may submit a Notice of Termination (NOT) for a portion of the on-going construction project in the following instances:
 - a. When final stabilization has been achieved on the portion of the site for which termination is sought;
 - b. When title to a portion of the construction site has been transferred to a new owner and the new owner has obtained separate coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;
 - c. When another operator has assumed control over the portion of the site for which termination is sought and the new operator has obtained coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;
 - d. For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.
 2. To obtain a notice of termination for a portion of an on-going construction site, the permittee shall follow the requirements of Part V.E of this permit.
- D. Notice of Termination for the Entire Construction Site
1. The permittee may submit a NOT for the entire construction site in the following instances:
 - a. Final stabilization has been achieved on the entire construction site for which the permittee is responsible;

- b. Another operator has assumed control over all areas of the site that have not been finally stabilized and has obtained permit coverage; or
 - c. Coverage under an individual or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement has been obtained.
2. To obtain a notice of termination for the entire construction site, the permittee shall follow the requirements of Part V.E of this permit.

E. Submitting a Notice of Termination

1. A permittee shall submit a complete and accurate NOT, on a form provided by the Secretary.
2. A NOT shall include, at a minimum, the following information:
 - a. The permit number for which termination is sought;
 - b. The basis for submission of the NOT;
 - c. The owner's and operator's name, address and telephone number;
 - d. The name of the project and address (or a description of location if no street address is available) of the construction site for which the notification is submitted;
 - e. A certification statement, signed and dated by the OSPC and by an authorized representative as defined in the signature requirements in Part VIII.I, and the name and title of that authorized representative; and
 - f. If the NOT is for only a portion of an ongoing construction project, a description of the portion of the site to which the NOT will apply and a plan showing the boundaries of this portion.

Part VI. Violation of Permit Requirements; Enforcement

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of 10 V.S.A. Chapter 47 and the federal Clean Water Act, and is grounds for an enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

Part VII. Appeals

1. Renewable Energy Projects – Right to Appeal to Public Service Board

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Telephone #802-828-2358).

2. All Other Projects – Right to Appeal to Environmental Court

Pursuant to 10 V.S.A. Chapter 220, if this decision relates to all other projects, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00 payable to the State of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name

of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For additional information, see the Vermont Rules for Environmental Court Proceedings, available online at www.vermontjudiciary.org or call (802) 951-1740. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303, Burlington, Vermont 05401.

Part VIII. Standard Permit Conditions

A. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

B. Limitations

1. This permit conveys no vested rights or exclusive privileges. The permit conveys no title to land nor authorizes any injury to public or private property. The permit does not authorize infringement of any applicable federal, state or local laws or regulations nor obviate the necessity of obtaining such additional permits as may be required.
2. Nothing in this permit shall be construed as having relieved, modified, or in any manner affected the permittee's ongoing obligation to comply with all other federal, state or local statutes, regulations or directives applicable to the permittee in the operation of its business, nor does it relieve the permittee of the obligation to obtain all necessary federal, state and local permits.

C. Prohibitions

1. This permit does not relieve any person of the federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 relating to spills or other releases of oils or hazardous substances. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.
2. If a release in excess of reportable quantities occurs, the permittee must modify the EPSC Plan required under Part III within 7 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. The EPSC Plan must identify measures to prevent the reoccurrence of such releases and to respond to such releases.
3. Discharges of any material other than stormwater, such as vehicle and equipment maintenance spills, fuels, wash water, construction debris, oil, wet concrete (including washout water from concrete batch trucks or equipment used to mix concrete), and other substances are prohibited.
4. Sediments and other pollutants collected and removed in the course of treatment of stormwater runoff shall be disposed in a manner that will not result in the sediments and pollutants entering waters of the State.

D. Right of Entry

The permittee shall allow the Secretary and his/her authorized representatives, at reasonable times, and upon presentation of credentials, to enter upon and inspect the property on which the construction activities are occurring and to sample any construction-related discharges and to have access to and copy any records required to be kept pursuant to this permit.

E. Historic Properties

Each permittee must comply with any applicable state and local laws concerning the protection of historic properties and places.

F. Retention of Records

Copies of the EPSC Plan, all amendments thereto, and all documentation required by this permit, including records of all data used to complete the NOI to be covered by this permit, must be retained for at least three years from the date that permit coverage expires or is terminated. This period may be extended by request of the Secretary at any time.

G. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

H. Duty to Mitigate

A permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

I. Signatory Requirements

1. All applications must be signed as follows:

- a. For a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - i. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation;
 - ii. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- c. For a municipality, State, Federal or other public agency: by either a principal executive officer or a ranking elected official. For purposes of this section, a principal executive officer of a Federal Agency includes: the chief executive officer of the agency or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. All reports required by this permit, including but not limited to EPSC Plans, must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if the authorization is made in writing by a person described above. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be

either a named individual or any individual occupying a named position. The signed and dated written authorization must be included in the EPSC Plan. A copy must be submitted to DEC, if requested.

3. Any person signing documents required under the terms of this permit must include the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

J. Duty to Reapply

If a discharge from the construction site is anticipated to continue after the expiration date of this permit, the permittee must reapply for coverage under a new permit sixty (60) days prior to the expiration date of this permit.

K. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of this permit.

L. Notice of Planned Changes

The permittee shall give notice to the Secretary as soon as possible of any planned physical alterations to the permitted facility.

M. Notice of Anticipated Noncompliance

The permittee shall give advance notice to the Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

N. Duty to Provide Information

The permittee shall furnish to the Secretary, within a reasonable time, any information which the Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine noncompliance with this permit. The permittee shall also furnish to the Secretary upon request, copies of records to be kept pursuant to this permit. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in a report to the Secretary, it shall promptly submit such facts or information.

O. Penalty for Permit Violation

10 V.S.A. Section 1275(a) provides that:

Any person who violates any provision of this subchapter or who fails, neglects or refuses to obey or comply with any order or the terms of any permit issued in accordance with this subchapter, shall be fined not more than \$25,000.00 or imprisoned not more than six months, or both. Each violation may be a separate offense and, in the case of a continuing violation, each day's continuance may be deemed a separate offense.

10 V.S.A. Section 8010(c) provides that:

A penalty of not more than \$42,500 may be assessed for each determination of a separate violation. In addition, if the secretary determines that a violation is continuing the secretary may assess a penalty of not more than \$17,000.00 for each day the violation continues. The maximum amount of penalty assessed under this subsection shall not exceed \$170,000.00.

P. Penalty for False Statement

10 V.S.A. Section 1275(b) provides that:

Any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained under this subchapter, or by any permit, rule, regulation or order issued under this subchapter, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this subchapter or by any permit, rule, regulation, or order issued under this subchapter, shall upon conviction, be punished by a fine of not more than \$10,000.00 or by imprisonment for not more than six months, or by both.

Q. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

R. Monitoring

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

S. Twenty-four hour reporting

Unless provided otherwise by this permit, the permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

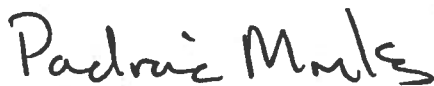
Part X. Effective Date of Permit and Permit Term

This permit shall become effective upon signing and shall expire five (5) years from the date of signing.

Signed this 23rd day of April, 2015

David K. Mears, Commissioner
Department of Environmental Conservation

By:



Padraic Monks
Stormwater Program Manager

BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028-INDC.1
Construct, Mark and Light Taxiway "G/K",
Phase 1 and Rehabilitate a portion of
Terminal Apron, Phase 2**

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Notice of Authorization

Individual Discharge Permit for Stormwater Runoff from
Construction Activities



Project Name: Construct Mark and Light Taxiway G/K,
Phase 1 and Rehabilitate a portion of Terminal Apron,
Phase 2

Permittee Name: City of Burlington, Burlington
International Airport

Permit Number: 3028-INDC.1

Date of Issuance: 5/20/2015

Date of Expiration: 5/20/2020

The above project has been issued an Individual Permit to discharge stormwater for the construction of the Construct Mark and Light Taxiway G/K, Phase 1 and Rehabilitate a portion of Terminal Apron, Phase 2. This project involves both, the Construction of a new 75' wide taxiway extending from Taxiway C/K to connect to Taxiway B, and a full depth reconstruction of an existing air carrier ramp to strengthen the pavement in the aircraft parking area.

This permit includes the following requirements:

1. Implementation of the authorized site-specific Erosion Prevention and Sediment Control Plan.
2. All areas of disturbance must have temporary or final stabilization within **7 days** of the initial disturbance. After this time, any disturbance in the area must be stabilized at the end of each work day. The following exceptions apply:
 - a. Stabilization is not required if work is to continue in the area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation, utility trenches).
3. The total earth disturbance associated with construction of this project is approximately 15.13 acres. The maximum area of earth disturbance at any one time allowed under this permit is **5 acres**.
4. With certain exceptions described in Part III A. of the permit, Inspections shall be conducted at least once every seven (7) calendar days and as soon as reasonably possible, during, or after, every rainfall event which produces runoff from the construction site.
5. If there is a discharge of visibly discolored stormwater from the construction site or from the construction site to waters of the State, the permittee shall inspect and maintain Best Management Practices as soon as practicable and take corrective action in accordance with Part III. B. of this permit.
6. The On-site Plan Coordinator shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site. If an on-site location is unavailable to store the EPSC Plan when no personnel are present, notice of the plan's location shall be posted near the main entrance at the construction site.

To request information on this authorization or to report compliance concerns please contact:

Vermont DEC, Watershed Management Division
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3222
(802) 828-1535

[See next page for posting requirements]

Permittee Directions for Posting:

This notice shall be placed near the construction entrance at a location visible to the public. If displaying near the main entrance is infeasible, the notice shall be posted in a local public building such as the town hall or public library. For linear projects, the notice shall be posted at a publicly accessible location near the active part of the construction project (e.g. where a pipeline project crosses a public road or at a project staging area).

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
1 NATIONAL LIFE DRIVE, MAIN 2
MONTPELIER, VT 05620-3522

DISCHARGE PERMIT
NPDES Number: VTS0000170
Permit Number: 3028-INDC.1

For Stormwater Runoff from the Construction of the **Construct Mark and Light Taxiway G/K, Phase 1 and Rehabilitate a portion of Terminal Apron, Phase 2** located along Airport Drive in South Burlington, VT, discharging to Muddy Brook, Wetland contiguous to Potash Brook, and unnamed tributary to the Winooski River.

In compliance with provisions of the following state and federal laws and rules: the Vermont Water Pollution Control statute, 10 V.S.A. Chapter 47, including §§1258, 1259 and 1263; the Vermont Water Pollution Control Rules, Chapter 13, the federal Clean Water Act, as amended, 33 U.S.C. 1251 et seq., including 33 USC 1342(p); and the regulations of the federal Environmental Protection Agency including 40 CFR 122.26 and in accordance with terms and conditions hereinafter specified,

Permittee: City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Co-Permittees: (All principal operators shall obtain coverage as co-permittees prior to the commencement of construction activities.)

are hereby authorized by the Secretary of the Agency of Natural Resources (ANR), to discharge stormwater runoff from the construction site of the **Construct Mark and Light Taxiway G/K, Phase 1 and Rehabilitate a portion of Terminal Apron, Phase 2** located along Airport Drive in South Burlington, VT, discharging to Muddy Brook, Wetland contiguous to Potash Brook, and unnamed tributary to the Winooski River.

This authorization incorporates by reference the following Erosion Prevention and Sediment Control Plan (EPSC Plan) provided by the applicant to the Secretary:

Sheets:

Sheet C.011, titled "Construction Safety and Phasing Plan- Overall Plan";
Sheet C.012, titled "Construction Safety and Phasing Plan- Phase Elements #1 and #2";
Sheet C.013, titled "Construction Safety and Phasing Plan- Phase Elements #3 and #4";
Sheet C.014, titled "Construction Safety and Phasing Plan- Construction Notes and Details";
Sheet C.045, titled "EPSC Existing Conditions Site Plan- Sheet 1 of 2";
Sheet C.046, titled "EPSC Existing Conditions Site Plan- Sheet 2 of 2";
Sheet C.047, titled "EPSC Construction Site Plan- Sheet 1 of 2";
Sheet C.048, titled "EPSC Existing Conditions Site Plan- Sheet 2 of 2";
Sheet C.049, titled "EPSC Final Conditions Site Plan- Sheet 1 of 2";
Sheet C.050, titled "EPSC Existing Conditions Site Plan- Sheet 2 of 2";

Sheet C.051, titled "EPSC Details Sheet"; Sheet C.052, titled "EPSC Plan- General Notes";
Sheet C.053, titled "EPSC General Narrative"; all dated 3/26/15

Prepared by **Stantec**
Received **4/1/2015**

And Sheets:

Sheet G1.3, titled "General Plan and Airfield Survey Control," dated 2/6/15;
Sheet G1.4, titled "Construction Safety and Phasing Plan," dated 2/6/15;
Sheet ER1.1, titled "Erosion Control Notes and Details," dated 06/2014;
Sheet DE1.1, titled "Demolition Plan," dated 2/6/15;
Sheet GE2.1, titled "Typical Section," dated 2/6/15;
Sheet GE3.1, titled "Pavement Details," dated 2/6/15;
Sheet GD2.1, titled "Grading and Drainage Details," dated 2/6/15;

Prepared by **Hoyle and Tanner Associates, Inc.**
Received **4/1/2015**

Part I. Coverage Under this Permit

A. Discharges Covered by this Permit

Subject to compliance with the terms and conditions of this permit, this permit authorizes the discharge of pollutants in stormwater associated with the construction **Construct Mark and Light Taxiway G/K, Phase 1 and Rehabilitate a portion of Terminal Apron, Phase 2** located along Airport Drive in South Burlington, VT, discharging to Muddy Brook, Wetland contiguous to Potash Brook, and unnamed tributary to the Winooski River. This permit only applies to construction activities performed in accordance with the approved EPSC Plan. This permit also authorizes discharges from excavation dewatering activities in accordance with Part II.H of this permit.

B. Limitations on Coverage

1. The Secretary has determined that an individual permit is required for this project.
2. This permit does not authorize:
 - a. Discharges of post-construction regulated stormwater runoff from impervious surfaces regulated pursuant to Vermont's stormwater statute (10 V.S.A. Section §1264) and Vermont Department of Environmental Conservation's (DEC) stormwater rules (i.e. Chapters 18 and 22 of DEC's Environmental Protection Rules);
 - b. Stormwater discharges not associated with construction activities;
 - c. Stormwater discharges from construction related activities when the discharge or activity is likely to jeopardize the continued existence of any State or federally listed threatened or endangered species or result in the destruction or adverse modification of critical habitat.

C. Off-Site Support Activities

The permittee shall obtain permit coverage from DEC prior to the use of any support activities occurring outside of the approved project boundaries (e.g. equipment staging areas, material storage areas, excavated material disposal areas and borrow areas). Support activities outside of the approved project boundaries shown in the EPSC Plan shall obtain coverage by amending this permit, or by obtaining coverage under a different individual discharge permit or under DEC's General Permit for Stormwater Runoff from Construction Sites.

D. Co-Permittees

1. In addition to the permittee, all parties associated with the construction activity who meet either of the following two criteria must obtain coverage under this permit as co-permittee prior to the commencement of construction activities:
 - a. The party has operational control over construction plans and specifications, including but not limited to the ability to make modifications to those plans and specifications; or
 - b. The party has continuous day-to-day operational control of those activities at the project that are necessary to ensure compliance with an EPSC Plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the EPSC Plan or comply with other permit conditions).

Part II. Erosion Prevention and Sediment Control Requirements

A. Implementation of EPSC Plan

1. Each permittee is responsible for implementing the approved EPSC Plan and shall at all times comply with the approved EPSC Plan or amended versions of the EPSC Plan updated in accordance with this permit.
2. The EPSC Plan is incorporated by reference and included in the terms of this permit, and each permittee shall implement the provisions of the EPSC Plan, and all amendments thereto, as a condition of this permit. Failure to comply with the EPSC Plan, and all amendments thereto, shall be deemed a violation of this permit and subject to potential enforcement.
3. Each permittee is responsible for ensuring that each co-permittee involved in construction activities is familiar with the terms and conditions of the EPSC Plan and that each co-permittee's activities are carried out in accordance with the EPSC Plan.
4. The permittee shall assure that construction of all small and large sediment control practices, where proposed on the site, are completed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control prior to upslope earth disturbance of areas for which these features are designed to provide sediment control.
5. The permittee shall assure that, prior to earth disturbance within any area of the site located within 100 feet upslope of a stream or wetland, silt fence or approved perimeter control shall be installed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control and the EPSC Plan at an appropriate distance down slope from disturbed areas and upslope from such waters.
6. The permittee shall install all required elements with the EPSC Plan within a given work area prior to earth disturbance within that work area. Earth disturbance includes, but is not limited to, stumping and grubbing of cleared areas.

B. On-Site Plan Coordinator (OSPC)

1. The permittee shall designate a person as the OSPC who shall be directly responsible for on-site implementation of the EPSC Plan. Such person shall be knowledgeable in the principles and practice of erosion prevention and sediment controls and possess the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of all sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.
2. The OSPC shall have the authority to stop and/or modify construction activities as necessary to comply with the EPSC Plan and the terms and conditions of this permit and shall be responsible for inspections and record keeping. The OSPC or his/her designee shall be on site on a daily basis during construction activity. The OSPC does not have to be the permit applicant.
3. The name and daytime telephone number of the OSPC shall be filed in writing with DEC's Stormwater Management Program before the start of construction.

C. Maintenance of Erosion Prevention and Sediment Control Measures

1. All erosion prevention and sediment control measures identified in the EPSC Plan shall be maintained in effective operating condition. If site inspections required by Part III.A identify Best Management Practices (BMPs) that are not operating effectively, maintenance shall be performed as soon as possible and before the next storm or snowmelt event to maintain the continued effectiveness of the measures. If implementing BMPs is impracticable before the next storm or snowmelt event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.
2. If existing BMPs need to be modified or if additional BMPs are necessary for any reason, implementation shall be completed before the next storm event. If implementing BMPs is impracticable before the next storm event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.

D. Modifications to the EPSC Plan Identified as Necessary by Inspections from DEC Representatives

1. If, based upon inspections or investigations by DEC representatives, it is determined that the EPSC Plan will not be sufficient to prevent runoff of visibly discolored stormwater from the construction site, the permittee shall modify the EPSC Plan as necessary to include additional or modified BMPs designed to correct problems identified. Revisions to the EPSC Plan shall be completed within seven (7) calendar days following the inspection or investigation.
2. At any time after issuing this permit, the Secretary may, in his or her sole discretion, determine that a stormwater discharge may cause, has reasonable potential to cause, or contribute to a violation of Vermont's Water Quality Standards. If such a determination is made, the Secretary will require the permittee to:
 - a. Amend the EPSC Plan to address adequately the identified water quality concerns;
 - b. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
 - c. Cease discharges of pollutants to surface waters from the construction activity.
3. The Secretary has the sole discretion to order a permittee to immediately stop all ongoing construction and construction-related activities upon a finding that a discharge or potential discharge from such activities presents a current or potential threat of harm to the environment. The Secretary's stop work order may also require the permittee to take all actions to prevent or correct the discharge or potential discharge. Any action taken by the Secretary pursuant to this subpart shall not limit the Secretary's authority to pursue other enforcement actions pursuant to 10 V.S.A Chapters 47 and 201.
4. Each revised EPSC Plan prepared pursuant to this Part shall be maintained on-site.

E. EPSC Plan Availability

The permittee shall provide a copy of the EPSC Plan and all amendments to the OSPC and all contractors responsible for construction activities. A copy of the EPSC Plan shall be kept on site at all times and shall be made available to the Secretary, or his or her designated representative, upon request.

F. Amending the EPSC Plan

1. The permittee shall amend the EPSC Plan prior to implementing any change in the design, construction, operation or other procedure which would alter the grading plan, construction sequence, or the location or implementation of any BMPs.

2. An amendment to the EPSC Plan is required, if after taking corrective action, as required in Part III.B, it is determined that the EPSC Plan requires an amendment to be effective in future efforts in preventing erosion and controlling the discharge of sediment.
3. An amendment to the EPSC Plan is required if the Secretary makes this determination pursuant to Part II.D.2 of this permit.
4. The OSPC is authorized to implement minor changes that involve substituting accepted interchangeable erosion prevention and sediment control practices, as detailed in the Vermont Erosion Prevention and Sediment Control Field Guide. The substitution of interchangeable practices shall be noted on the on-site EPSC Plan, on a form provided by the Secretary.
5. For changes to the EPSC Plan other than substitution of interchangeable practices from the Vermont Erosion Prevention and Sediment Control Field Guide, the permittee shall have the EPSC Plan modified to reflect the change by either the original designer, a professional engineer licensed in the State of Vermont or a Certified Professional in EPSC. Such modification shall include a certification that the modified EPSC Plan meets the requirements of this permit and The Vermont Standards and Specifications for Erosion Prevention and Sediment Control on a form provided by the Secretary.
6. All proposed changes to the EPSC Plan that do not conform to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control must be submitted to DEC for formal approval prior to implementation of the changes in the field. The submission shall include:
 - a. Narrative description of the plan changes;
 - b. Justification for the alternative EPSC practice(s);
 - c. Updated EPSC Plan sheets showing the proposed changes;
 - d. Any additional information required by the Secretary.
7. Any change that involves earth disturbance substantially outside of the originally authorized limits of disturbance requires coverage under a separate authorization or amendment to this permit. Any such change shall require permittee to submit to DEC for formal approval prior to implementation of the change. In consideration for approval, DEC may consider several factors in determining whether the change is substantial and requires an amendment to the permit, including but not limited to size of additional area(s) to be disturbed, existing condition of area(s) to be disturbed, proximity to water resources and their buffers, and may consider whether the change will negatively impact water resources. The submission shall include:
 - a. Narrative description of the change(s);
 - b. Justification for the change;
 - c. Updated EPSC Plan sheets showing the proposed change(s);
 - d. Any additional information requested by the Secretary deemed necessary for consideration.

G. Late Fall/Winter/Early Spring Construction Activities

1. If construction activities involving earth disturbance continue past October 15 or begin before April 15 (Winter Construction), the permittee shall implement Winter Construction EPSC practices as outlined in the EPSC Plan.

2. If a permittee plans to undertake construction activities during Winter Construction and the EPSC Plan does not identify EPSC measures during this time period, the permittee shall submit a stand-alone EPSC Plan for this late fall/winter/early spring work to DEC for formal approval prior to undertaking such activities. The submission shall include a narrative description of the proposed work and the stand-alone EPSC Plan shall include only this work. The stand-alone EPSC Plan shall be designed according to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control.
3. All possible measures will be taken to limit the exposure of soils during all late fall/winter/early spring construction activities. The Secretary reserves the right to require suspension of construction activities until after April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality. Also, the Secretary reserves the right to prohibit construction activities between October 15 and April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality.

H. Dewatering Activities

1. A site-specific dewatering plan shall be employed for any dewatering activities. The dewatering plan shall detail the following:
 - a. Nature of activity requiring dewatering;
 - b. Location of the dewatering pumpage show on plan;
 - c. EPSC practice(s) to be used during dewatering activities; and
 - d. Anticipated duration of dewatering activities.

The use of EPSC practice(s) for dewatering activities not included in the original EPSC Plan are subject to the requirements of Part II.F.

Pumpage from areas excavated for the construction of the project shall be treated or disposed of in such manner that any dewatering discharge to waters of the state is visibly clear. Prior to any dewatering activities which may result in the pumpage reaching State waters by surface flow, the permittee shall measure and document the turbidity value to ensure that it is sufficient to comply with the terms and conditions of this permit. The inspection reports shall contain information on when dewatering is being done, measures being utilized for treatment, and effectiveness of those measures.

I. Disturbance Limitations/Stabilization

1. The total earth disturbance associated with construction of this project is approximately **15.13** acres. The maximum area of concurrent earth disturbance at any one time allowed under this permit is **5** acres.
2. All areas of earth disturbance must be stabilized within **7** days of initial disturbance. After this initial **7**-day period, all disturbances in these areas must be stabilized on a daily basis, with the following exceptions:
 - a. Stabilization is not required if work is to continue in the disturbed area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet for stormwater) with a depth of 2 feet or greater (e.g. underground utility installation).
 - c. During Winter Construction, to ensure cover of disturbed soil in advance of a melt event, areas of disturbed soil must be stabilized at the end of each work day, in accordance with the previous exceptions.

J. Pre-construction Conferences

The permittee shall notify DEC of the planned start date and schedule a pre-construction conference at least two weeks prior to commencing construction. The pre-construction conference shall occur prior to initiating construction activities and shall be attended by the OSPC, EPSC Specialist, and a representative of DEC.

K. Compliance with Anti-Degradation Policy and Water Quality Standards

The Secretary has determined that the permitted discharges satisfy Vermont's Anti-degradation Policy provided in Section 1-03 of the Vermont Water Quality Standards and the Department of Environmental Conservation's Interim Anti-degradation Implementation Procedure because the applicant has demonstrated how the proposed development will implement practices and monitor construction to ensure water quality is maintained in the receiving waters. In particular, the applicant has demonstrated how the proposed development will implement appropriate best management practices (BMPs) during construction in accordance with the Erosion Prevention and Sediment Control Plan (EPSC Plan) and how the applicant will ensure the project is closely monitored throughout construction.

Part III. Inspections, Discharge Sampling, Corrective Action, and Recordkeeping

A. General Inspection Requirements

1. The permittee is responsible for inspecting and maintaining erosion prevention and sediment controls that minimize or eliminate pollutants in the discharge in accordance with the requirements of this permit.
2. Inspections shall be conducted at least once every seven (7) calendar days and as required in Part III.B of this permit.
3. During the late fall/winter/spring construction season (October 15th through April 15th), daily inspections shall be conducted of areas that have been disturbed and are not yet finally stabilized.
4. Inspection frequency may be reduced to not less than one (1) per month if the entire site is temporarily stabilized.
5. Inspections may be postponed indefinitely if the entire site is permanently stabilized.
6. Inspections shall be conducted by, or under the direction of, the OSPC.
7. Inspections shall include all areas of the site disturbed by construction activity and all discharge locations, including areas with temporary stabilization.
8. An inspection report shall be completed for each inspection and signed by the OSPC or the person acting under the direction of the OSPC. At a minimum, each inspection report shall include:
 - a. The inspection date;
 - b. Names, titles, and qualifications of personnel making the inspection;
 - c. A general description of weather information for the period since the last inspection (or since commencement of construction activity if the first inspection) including a description of any precipitation, any runoff of visibly discolored stormwater from the construction site and any discharges of visibly discolored stormwater from the construction site to waters of the state;
 - d. A description of current weather information and a description of any runoff or discharges of visibly discolored stormwater to waters of the state occurring at the time of the inspection;

- e. Location(s) of runoff or discharges of visibly discolored stormwater to waters of the state from the construction site;
 - f. Location(s) of BMPs that need to be maintained;
 - g. Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
 - h. Location(s) where additional BMPs are needed that did not exist at the time of inspection;
 - i. Any corrective action required including any necessary changes to the EPSC Plan and implementation dates;
 - j. Description of areas that are currently disturbed and areas that have been temporarily or finally stabilized since last inspection;
 - k. A description of the soil conditions (e.g. dry, wet, saturated); and
 - l. A certification that the construction activities are now in compliance with the EPSC Plan and this permit.
9. A record of each inspection report and of any actions taken in accordance with this Subpart shall be maintained on-site with the EPSC Plan and shall be made available upon request by DEC representatives.
10. When site conditions between April 15th – May 15th are similar to winter conditions (e.g. snow cover, frozen ground and/or saturated soils) within the areas of planned earth disturbance, the appropriate winter restrictions on page 3.19 of the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control selected by the OSPC shall be applied to the portions of the site that are experiencing those conditions.

B. Inspection, Sampling and Corrective Action Requirements

1. As soon as reasonably possible, during, or after, every rainfall event or snowmelt event which produces runoff from the construction site, the OSPC shall inspect for the runoff of visibly discolored stormwater from the construction site. If there is runoff of visibly discolored water from the construction site, the OSPC shall as soon as practicable inspect and maintain BMPs for compliance with the approved EPSC plan. For purposes of this permit, “construction site” shall mean the land or water area where any facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity or the area of earth disturbance directly associated with the permitted construction activity.
2. If after inspecting and maintaining existing BMPs in accordance with Part III.B.1, the runoff of visibly discolored stormwater continues, the OSPC shall sample the runoff as follows:
 - a. A turbidity sample shall be taken at each point where visibly discolored stormwater runs off the construction site. Samples shall be representative of the flow and characteristics of the runoff.
 - b. If due to unexpected circumstances an OSPC is unable to sample during periods of runoff, the monitoring report shall include a brief explanation of such circumstances.
 - c. Sampling is required at all points where visibly discolored stormwater runoff from disturbed areas that have not been finally stabilized leaves the construction site.
 - d. All sampling points shall be identified on the EPSC Plan site map and be clearly marked in the field with a flag, tape, stake or other visible marker.
 - e. After approval by DEC, sampling may be discontinued at those points of stormwater runoff that are deemed to pose no risk of discharge to waters of the state.
3. If the turbidity sample taken is 25 NTU or lower, no further sampling or action is required during this particular event.

4. If the turbidity sample taken is greater than 25 NTU:
 - a. The OSPC shall as soon as practicable evaluate the need for supplemental BMPs and install such BMPs as necessary to correct the runoff.
 - b. The OSPC shall, within 72 hours of first discovering the runoff, submit a written report about the runoff and resulting corrective action to the Secretary. The report shall:
 - i. Be on a form provided by the Secretary
 - ii. Describe the cause, time and date, and location of the runoff;
 - iii. Describe the status of construction and conformance with the EPSC Plan at the time of the runoff;
 - iv. Detail the corrective action taken to stop the runoff, including a description of the actions taken, their location, and the time and date of the corrective action; and
 - v. Be copied and a copy retained on-site with the EPSC Plan.
 - c. The EPSC Plan shall be updated within 72 hours to reflect the actions taken.
5. After taking the actions required in Part III.B.4.a above, and if the runoff of visibly discolored stormwater continues, the OSPC shall again follow the inspection and sampling requirements in Part III.B.2 above. If the turbidity sample is less than 25 NTU then no further action is needed. If the turbidity sample is greater than 25 NTU, the OSPC shall immediately notify DEC's Stormwater Program. DEC may require the OSPC to reevaluate existing BMPs and install supplemental BMPs as necessary to correct the runoff. At the Secretary's discretion, DEC may also require the OSPC to continue sampling runoff daily when runoff is occurring until:
 - a. Turbidity is 25 NTU or lower; or
 - b. The runoff stops or is eliminated.

C. Recordkeeping

1. The following records shall be maintained on-site with the EPSC Plan:
 - a. Inspection reports prepared pursuant to Part III.A of this permit;
 - b. Discharge Reports, Corrective Action reports and Summaries of Releases prepared pursuant to Parts III.B and VIII.C of this permit;
 - c. Notices of Addition or Termination of Co-Permittees submitted to the Secretary in accordance with Part V of this permit;
 - d. Any Notices of Termination for Portions of the On-going Construction Site in accordance with Part V of this permit; and
 - e. Any amendments to the EPSC Plan required by this permit.
2. A copy of the authorized EPSC Plan shall be on-site during normal working hours from the date of commencement of construction activities to the date of final stabilization. EPSC Plans shall be made available upon request by DEC representatives.
3. The OSPC shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site.
4. The permittee shall post a Notice of Authorization, provided by the Secretary, demonstrating authorization under this permit. The notice shall be placed near the construction entrance at a location visible to the public.

Part IV. EPSC Specialist Oversight

EPSC Specialist

1. In addition to the regular inspections required under Part III.A., the permittee shall designate an EPSC Specialist who will be responsible for performing environmental inspections during the project; confirming water resources protection throughout the project, and for related record keeping. The name, address, telephone number, and basic qualifications of the person shall be provided to DEC for approval before the commencement of construction. This person shall not be the OSPC.
2. The EPSC Specialist shall determine, confirm, and report whether the EPSC Plan is being followed and that appropriate revisions are being made to the EPSC Plan when the EPSC Plan proves inadequate. In addition, the EPSC Specialist shall, in conjunction with the OSPC bear the responsibility of reviewing the site to ensure compliance with the approved EPSC Plan and to direct corrective action in accordance with Part III.B of this permit.
3. The EPSC Specialist shall notify the contractor when changes in practice are necessary to comply with the EPSC Plan and the terms and conditions of this permit. The EPSC Specialist shall be responsible for inspections, photo documentation, and record keeping and shall, biweekly during earth disturbance activities, file with DEC a report outlining:
 - a. Construction status;
 - b. EPSC practices installed and removed since last report;
 - c. New measures undertaken subsequent to the prior report;
 - d. Erosion problems encountered and how and when resolved;
 - e. Status of the project in terms of consistency with the planned construction sequence;
 - f. Description, including location and total area (acres), of disturbed land at the time of the inspection;
 - g. Description of areas temporarily or permanently stabilized since the last inspection record;
 - h. Changes in the EPSC Plan that are required (including submission for authorization from DEC, when necessary);
 - i. When dewatering is underway, discussion and photographs of measures being utilized for treatment, and turbidity monitoring results in conformance with Part III.H of this permit;
 - j. Photographs of areas stabilized since the prior report;
 - k. Photographs of all disturbed areas;
 - l. Photographs of receiving water(s) at turbidity monitoring location(s); and
 - m. All turbidity monitoring results collected since prior report in accordance with Subpart III.B of this permit.
4. In advance of the start of construction, the EPSC Specialist shall present to DEC for approval the proposed reporting format. Construction may not commence prior to DEC's written approval of the reporting format and schedule. Bi-weekly reports shall be submitted by the Wednesday, or as soon as responsibly possible, following the end of the bi-weekly period. EPSC Specialist reports shall be filed via mail with:

Department of Environmental Conservation
Watershed Management Division
Stormwater Management Program
Main Building, Second Floor
One National Life Drive

Montpelier, VT 05620-3522

Or, via email to the appropriate Stormwater Management Program representative.

5. Each inspection report shall be prepared in consultation with the OSPC, shall include a review of the OSPC's inspection reports since the last inspection period, and shall be signed by the EPSC Specialist.

Part V. Transfers of Permit, Co-Permittees, and Termination

A. Transfer of Permit Coverage

1. A transfer of this permit may occur only in connection with the transfer of the entire construction site to a new owner.
2. A Notice of Transfer must be submitted to the Secretary not later than thirty (30) days prior to the transfer and shall include the following:
 - a. The name and address of the present permittee;
 - b. The name and address of the prospective permittee;
 - c. The proposed date of transfer; and
 - d. A statement signed by the prospective permittee, stating that:
 - i. The conditions of the facility operation that contribute to, or affect, any discharge will not be materially different under the new ownership;
 - ii. The prospective permittee has read and is familiar with the terms of the permit and agrees to comply with all the terms and conditions of the permit; and
 - iii. The prospective permittee has adequate funding or other means to effect compliance with all the terms of the permit.

B. Adding or Terminating Co-Permittees

1. An owner or principal operator may be added as a co-permittee by filing a Notice of Addition of Co-Permittee form with the Secretary. The Co-Permittee shall be subject to all the terms and conditions of this permit and the EPSC Plan.
2. If the owner of the construction site obtains coverage under this permit and the owner is not the principal operator or the sole principal operator, then all principal operators shall obtain coverage as co-permittees in accordance with this Subpart prior to the commencement of construction activities.
3. A co-permittee may be terminated as a Co-Permittee by filing a Notice of Termination of Co-Permittee form on a form provided by the Secretary. The Co-Permittee shall only be terminated from the permit upon approval by the Secretary.

C. Notice of Termination for Portions of an On-going Construction Site

1. A permittee may submit a Notice of Termination (NOT) for a portion of the on-going construction project in the following instances:
 - a. When final stabilization has been achieved on the portion of the site for which termination is sought;
 - b. When title to a portion of the construction site has been transferred to a new owner and the new owner has obtained separate coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;

- c. When another operator has assumed control over the portion of the site for which termination is sought and the new operator has obtained coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;
 - d. For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.
2. To obtain a notice of termination for a portion of an on-going construction site, the permittee shall follow the requirements of Part V.E of this permit.

D. Notice of Termination for the Entire Construction Site

1. The permittee may submit a NOT for the entire construction site in the following instances:
 - a. Final stabilization has been achieved on the entire construction site for which the permittee is responsible;
 - b. Another operator has assumed control over all areas of the site that have not been finally stabilized and has obtained permit coverage; or
 - c. Coverage under an individual or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement has been obtained.
2. To obtain a notice of termination for the entire construction site, the permittee shall follow the requirements of Part V.E of this permit.

E. Submitting a Notice of Termination

1. A permittee shall submit a complete and accurate NOT, on a form provided by the Secretary.
2. A NOT shall include, at a minimum, the following information:
 - a. The permit number for which termination is sought;
 - b. The basis for submission of the NOT;
 - c. The owner's and operator's name, address and telephone number;
 - d. The name of the project and address (or a description of location if no street address is available) of the construction site for which the notification is submitted;
 - e. A certification statement, signed and dated by the OSPC and by an authorized representative as defined in the signature requirements in Part VIII.I, and the name and title of that authorized representative; and
 - f. If the NOT is for only a portion of an ongoing construction project, a description of the portion of the site to which the NOT will apply and a plan showing the boundaries of this portion.

Part VI. Violation of Permit Requirements; Enforcement

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of 10 V.S.A. Chapter 47 and the federal Clean Water Act, and is grounds for an enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

Part VII. Appeals

1. Renewable Energy Projects – Right to Appeal to Public Service Board

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Telephone #802-828-2358).

2. All Other Projects – Right to Appeal to Environmental Court

Pursuant to 10 V.S.A. Chapter 220, if this decision relates to all other projects, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00 payable to the State of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For additional information, see the Vermont Rules for Environmental Court Proceedings, available online at www.vermontjudiciary.org or call (802) 951-1740. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303, Burlington, Vermont 05401.

Part VIII. Standard Permit Conditions

A. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

B. Limitations

1. This permit conveys no vested rights or exclusive privileges. The permit conveys no title to land nor authorizes any injury to public or private property. The permit does not authorize infringement of any applicable federal, state or local laws or regulations nor obviate the necessity of obtaining such additional permits as may be required.
2. Nothing in this permit shall be construed as having relieved, modified, or in any manner affected the permittee's ongoing obligation to comply with all other federal, state or local statutes, regulations or directives applicable to the permittee in the operation of its business, nor does it relieve the permittee of the obligation to obtain all necessary federal, state and local permits.

C. Prohibitions

1. This permit does not relieve any person of the federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 relating to spills or other releases of oils or hazardous substances. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.

2. If a release in excess of reportable quantities occurs, the permittee must modify the EPSC Plan required under Part III within 7 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. The EPSC Plan must identify measures to prevent the reoccurrence of such releases and to respond to such releases.
3. Discharges of any material other than stormwater, such as vehicle and equipment maintenance spills, fuels, wash water, construction debris, oil, wet concrete (including washout water from concrete batch trucks or equipment used to mix concrete), and other substances are prohibited.
4. Sediments and other pollutants collected and removed in the course of treatment of stormwater runoff shall be disposed in a manner that will not result in the sediments and pollutants entering waters of the State.

D. Right of Entry

The permittee shall allow the Secretary and his/her authorized representatives, at reasonable times, and upon presentation of credentials, to enter upon and inspect the property on which the construction activities are occurring and to sample any construction-related discharges and to have access to and copy any records required to be kept pursuant to this permit.

E. Historic Properties

Each permittee must comply with any applicable state and local laws concerning the protection of historic properties and places.

F. Retention of Records

Copies of the EPSC Plan, all amendments thereto, and all documentation required by this permit, including records of all data used to complete the NOI to be covered by this permit, must be retained for at least three years from the date that permit coverage expires or is terminated. This period may be extended by request of the Secretary at any time.

G. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

H. Duty to Mitigate

A permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

I. Signatory Requirements

1. All applications must be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - i. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation;
 - ii. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the

regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- c. For a municipality, State, Federal or other public agency: by either a principal executive officer or a ranking elected official. For purposes of this section, a principal executive officer of a Federal Agency includes: the chief executive officer of the agency or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. All reports required by this permit, including but not limited to EPSC Plans, must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if the authorization is made in writing by a person described above. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position. The signed and dated written authorization must be included in the EPSC Plan. A copy must be submitted to DEC, if requested.
3. Any person signing documents required under the terms of this permit must include the following certification:
“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

J. Duty to Reapply

If a discharge from the construction site is anticipated to continue after the expiration date of this permit, the permittee must reapply for coverage under a new permit sixty (60) days prior to the expiration date of this permit.

K. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of this permit.

L. Notice of Planned Changes

The permittee shall give notice to the Secretary as soon as possible of any planned physical alterations to the permitted facility.

M. Notice of Anticipated Noncompliance

The permittee shall give advance notice to the Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

N. Duty to Provide Information

The permittee shall furnish to the Secretary, within a reasonable time, any information which the Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine noncompliance with this permit. The permittee shall also furnish to the Secretary upon request, copies of records to be kept pursuant to this permit. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in a report to the Secretary, it shall promptly submit such facts or information.

O. Penalty for Permit Violation

10 V.S.A. Section 1275(a) provides that:

Any person who violations any provision of this subchapter or who fails, neglects or refuses to obey or comply with any order or the terms of any permit issued in accordance with this subchapter, shall be fined not more than \$25,000.00 or imprisoned not more than six months, or both. Each violation may be a separate offense and, in the case of a continuing violation, each day's continuance may be deemed a separate offense.

10 V.S.A. Section 8010(c) provides that:

A penalty of not more than \$42,500 may be assessed for each determination of a separate violation. In addition, if the secretary determines that a violation is continuing the secretary may assess a penalty of not more than \$17,000.00 for each day the violation continues. The maximum amount of penalty assessed under this subsection shall not exceed \$170,000.00.

P. Penalty for False Statement

10 V.S.A. Section 1275(b) provides that:

Any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained under this subchapter, or by any permit, rule, regulation or order issued under this subchapter, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this subchapter or by any permit, rule, regulation, or order issued under this subchapter, shall upon conviction, be punished by a fine of not more than \$10,000.00 or by imprisonment for not more than six months, or by both.

Q. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

R. Monitoring

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

S. Twenty-four hour reporting

Unless provided otherwise by this permit, the permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the


time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

Part X. Effective Date of Permit and Permit Term

This permit shall become effective upon signing and shall expire five (5) years from the date of signing.

Signed this 20th day of May, 2015

David K. Mears, Commissioner
Department of Environmental Conservation

By: 
Padraic Monks
Stormwater Program Manager

BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028—INDC.1A
Terminal Apron Phase 2, Heritage Parking
Lot, Material Relocation in Quarry**

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Notice of Authorization

Individual Discharge Permit for Stormwater Runoff from
Construction Activities



Project Name: BTV 2015 Projects: Taxiway G/K Phase 1, Terminal Apron Phase 2, Heritage Parking lot, Material Relocation in Quarry

Permit Number: 3028-INDC.1A

Date of Issuance: 9/11/2015

Permittee Name: City of Burlington, Burlington International Airport

Date of Expiration: 9/11/2020

The above project has been issued an Individual Permit to discharge stormwater for the construction of the Taxiway G/K Phase 1, Terminal Apron Phase 2, Heritage Parking lot, Material Relocation in Quarry. This project involves Construct Mark and Light Taxiway G/K, Phase 1, Rehabilitate a portion of Terminal Apron, Heritage Aviation Parking Lot reconstruction and Material Excavated from Marcelino Property and Placed in the Airport Quarry will be relocated to a more appropriate spot.

This permit includes the following requirements:

1. Implementation of the authorized site-specific Erosion Prevention and Sediment Control Plan.
2. All areas of disturbance must have temporary or final stabilization within **7 days** of the initial disturbance. After this time, any disturbance in the area must be stabilized at the end of each work day. The following exceptions apply:
 - a. Stabilization is not required if work is to continue in the area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation, utility trenches).
3. The total earth disturbance associated with construction of this project is approximately 22.5 acres. The maximum area of earth disturbance at any one time allowed under this permit is **7.37 acres**.
4. With certain exceptions described in Part III A. of the permit, Inspections shall be conducted at least once every seven (7) calendar days and as soon as reasonably possible, during, or after, every rainfall event which produces runoff from the construction site.
5. If there is a discharge of visibly discolored stormwater from the construction site or from the construction site to waters of the State, the permittee shall inspect and maintain Best Management Practices as soon as practicable and take corrective action in accordance with Part III. B. of this permit.
6. The On-site Plan Coordinator shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site. If an on-site location is unavailable to store the EPSC Plan when no personnel are present, notice of the plan's location shall be posted near the main entrance at the construction site.

To request information on this authorization or to report compliance concerns please contact:

Vermont DEC, Watershed Management Division
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3222
(802) 828-1535

[See next page for posting requirements]

Permittee Directions for Posting:

This notice shall be placed near the construction entrance at a location visible to the public. If displaying near the main entrance is infeasible, the notice shall be posted in a local public building such as the town hall or public library. For linear projects, the notice shall be posted at a publicly accessible location near the active part of the construction project (e.g. where a pipeline project crosses a public road or at a project staging area).

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
1 NATIONAL LIFE DRIVE, MAIN 2
MONTPELIER, VT 05620-3522

DISCHARGE PERMIT
NPDES Number: VTS0000182
Permit Number: 3028-INDC.1A

For Stormwater Runoff from the Construction of the following projects: **Construct Mark and Light Taxiway G/K, Phase 1, Rehabilitate a portion of Terminal Apron, Phase 2, Heritage Aviation Parking Lot and Material to be Excavated from Marcelino Property and Placed in the Airport Quarry** located at Burlington International Airport on Airport Drive in South Burlington, VT, discharging to Muddy Brook, Wetland contiguous to Potash Brook, and unnamed tributary to the Winooski River.

In compliance with provisions of the following state and federal laws and rules: the Vermont Water Pollution Control statute, 10 V.S.A. Chapter 47, including §§1258, 1259 and 1263; the Vermont Water Pollution Control Rules, Chapter 13, the federal Clean Water Act, as amended, 33 U.S.C. 1251 et seq., including 33 USC 1342(p); and the regulations of the federal Environmental Protection Agency including 40 CFR 122.26 and in accordance with terms and conditions hereinafter specified,

Permittee: City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Co-Permittees: (All principal operators shall obtain coverage as co-permittees prior to the commencement of construction activities.)

are hereby authorized by the Secretary of the Agency of Natural Resources (ANR), to discharge stormwater runoff from the construction site of the **Taxiway G/K, Phase 1, Terminal Apron Phase 2 and Heritage Aviation Parking Lot, and Material relocation in Quarry**, all located along within the Burlington International Airport on Airport Drive in South Burlington, VT, discharging to Muddy Brook, Wetland contiguous to Potash Brook, and unnamed tributary to the Winooski River.

This authorization incorporates by reference the following Erosion Prevention and Sediment Control Plan (EPSC Plan) provided by the applicant to the Secretary:

Sheets:
(Taxiway G/K)

- Sheet C.011, titled "Construction Safety and Phasing Plan- Overall Plan";
- Sheet C.012, titled "Construction Safety and Phasing Plan- Phase Elements #1 and #2";
- Sheet C.013, titled "Construction Safety and Phasing Plan- Phase Elements #3 and #4";
- Sheet C.014, titled "Construction Safety and Phasing Plan- Construction Notes and Details;
- Sheet C.045, titled "EPSC Existing Conditions Site Plan- Sheet 1 of 2";
- Sheet C.046, titled "EPSC Existing Conditions Site Plan- Sheet 2 of 2";
- Sheet C.047, titled "EPSC Construction Site Plan- Sheet 1 of 2";

Sheet C.048, titled "EPSC Existing Conditions Site Plan- Sheet 2 of 2";
Sheet C.049, titled "EPSC Final Conditions Site Plan- Sheet 1 of 2";
Sheet C.050, titled "EPSC Existing Conditions Site Plan- Sheet 2 of 2";
Sheet C.051, titled "EPSC Details Sheet";
Sheet C.052, titled "EPSC Plan- General Notes";
Sheet C.053, titled "EPSC General Narrative"; all dated 3/26/15

Prepared by **Stantec**
Received **4/1/2015**

(Heritage Parking Lot)

Sheet C-102, titled "Drainage Map," dated 5/8/15;
Sheet C-103, titled "Preconstruction Plan," dated 5/8/15;
Sheet C-104, titled "Construction Plan," dated 5/8/15, revised 7/30/15;
Sheet C-105, titled "Stabilization Plan," dated 5/8/15, revised 7/30/15;
Sheet C-106, titled "Narrative," dated 5/8/15, revised 7/30/15;
Sheet C-501, titled "EPSC Details," dated 5/8/15;
Sheet C-502, titled "Site Details," dated 5/8/15, revised 7/30/15;

Prepared by **Stantec**
Received **7/22/2015**

(Terminal Apron Phase 2)

Sheet G1.3, titled "General Plan and Airfield Survey Control," dated 2/6/15;
Sheet G1.4, titled "Construction Safety and Phasing Plan," dated 2/6/15;
Sheet ER1.1, titled "Erosion Control Notes and Details," dated 06/2014;
Sheet DE1.1, titled "Demolition Plan," dated 2/6/15;
Sheet GE2.1, titled "Typical Section," dated 2/6/15;
Sheet GE3.1, titled "Pavement Details," dated 2/6/15;
Sheet GD2.1, titled "Grading and Drainage Details," dated 2/6/15;

Prepared by **Hoyle and Tanner Associates, Inc.**
Received **4/1/2015**

(Material To Be Excavated From Marcelino Property And Placed In The Airport Quarry)

Sheet EX-1, titled "ESPC Existing Condition Site Plan," dated 7/28/15;
Sheet CON-1, titled "EPSC Construction Site Plan" dated 7/28/15;
Sheet STA-1, titled "EPSC Final Condition Site Plan" dated 7/28/15;
Sheet DET-1, titled "EPSC Details Sheet 1 of 2" dated 7/28/15;
Sheet DET-2, titled "EPSC Details Sheet 2 of 2" dated 7/28/15;
Sheet NAR-1, titled "Narrative and General Notes Sheet 1 of 2" dated 7/28/15;
Sheet NAR-2, titled "Narrative and General Notes Sheet 2 of 2" dated 7/28/15;

Prepared by **Stantec**
Received **7/31/2015**

Part I. Coverage Under this Permit

A. Discharges Covered by this Permit

Subject to compliance with the terms and conditions of this permit, this permit authorizes the discharge of pollutants in stormwater associated with the construction of **Taxiway G/K Phase 1, Terminal Apron Phase 2, Heritage Parking Lot and Material Relocation in Quarry**, located along Airport Drive in South Burlington, VT, discharging to Muddy Brook, Wetland contiguous to Potash Brook, and unnamed tributary to the Winooski River. This permit only applies to construction activities performed in accordance with the approved EPSC Plan. This permit also authorizes discharges from excavation dewatering activities in accordance with Part II.H of this permit.

B. Limitations on Coverage

1. The Secretary has determined that an individual permit is required for this project.
2. This permit does not authorize:
 - a. Discharges of post-construction regulated stormwater runoff from impervious surfaces regulated pursuant to Vermont's stormwater statute (10 V.S.A. Section §1264) and Vermont Department of Environmental Conservation's (DEC) stormwater rules (i.e. Chapters 18 and 22 of DEC's Environmental Protection Rules);
 - b. Stormwater discharges not associated with construction activities;
 - c. Stormwater discharges from construction related activities when the discharge or activity is likely to jeopardize the continued existence of any State or federally listed threatened or endangered species or result in the destruction or adverse modification of critical habitat.

C. Off-Site Support Activities

The permittee shall obtain permit coverage from DEC prior to the use of any support activities occurring outside of the approved project boundaries (e.g. equipment staging areas, material storage areas, excavated material disposal areas and borrow areas). Support activities outside of the approved project boundaries shown in the EPSC Plan shall obtain coverage by amending this permit, or by obtaining coverage under a different individual discharge permit or under DEC's General Permit for Stormwater Runoff from Construction Sites.

D. Co-Permittees

1. In addition to the permittee, all parties associated with the construction activity who meet either of the following two criteria must obtain coverage under this permit as co-permittee prior to the commencement of construction activities:
 - a. The party has operational control over construction plans and specifications, including but not limited to the ability to make modifications to those plans and specifications; or
 - b. The party has continuous day-to-day operational control of those activities at the project that are necessary to ensure compliance with an EPSC Plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the EPSC Plan or comply with other permit conditions).

Part II. Erosion Prevention and Sediment Control Requirements

A. Implementation of EPSC Plan

1. Each permittee is responsible for implementing the approved EPSC Plan and shall at all times comply with the approved EPSC Plan or amended versions of the EPSC Plan updated in accordance with this permit.
2. The EPSC Plan is incorporated by reference and included in the terms of this permit, and each permittee shall implement the provisions of the EPSC Plan, and all amendments thereto, as a condition of this permit. Failure to comply with the EPSC Plan, and all amendments thereto, shall be deemed a violation of this permit and subject to potential enforcement.
3. Each permittee is responsible for ensuring that each co-permittee involved in construction activities is familiar with the terms and conditions of the EPSC Plan and that each co-permittee's activities are carried out in accordance with the EPSC Plan.
4. The permittee shall assure that construction of all small and large sediment control practices, where proposed on the site, are completed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control prior to upslope earth disturbance of areas for which these features are designed to provide sediment control.
5. The permittee shall assure that, prior to earth disturbance within any area of the site located within 100 feet upslope of a stream or wetland, silt fence or approved perimeter control shall be installed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control and the EPSC Plan at an appropriate distance down slope from disturbed areas and upslope from such waters.
6. The permittee shall install all required elements with the EPSC Plan within a given work area prior to earth disturbance within that work area. Earth disturbance includes, but is not limited to, stumping and grubbing of cleared areas.

B. On-Site Plan Coordinator (OSPC)

1. The permittee shall designate a person as the OSPC who shall be directly responsible for on-site implementation of the EPSC Plan. Such person shall be knowledgeable in the principles and practice of erosion prevention and sediment controls and possess the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of all sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.
2. The OSPC shall have the authority to stop and/or modify construction activities as necessary to comply with the EPSC Plan and the terms and conditions of this permit and shall be responsible for inspections and record keeping. The OSPC or his/her designee shall be on site on a daily basis during construction activity. The OSPC does not have to be the permit applicant.
3. The name and daytime telephone number of the OSPC shall be filed in writing with DEC's Stormwater Management Program before the start of construction.

C. Maintenance of Erosion Prevention and Sediment Control Measures

1. All erosion prevention and sediment control measures identified in the EPSC Plan shall be maintained in effective operating condition. If site inspections required by Part III.A identify Best Management Practices (BMPs) that are not operating effectively, maintenance shall be performed as soon as possible and before the next storm or snowmelt event to maintain the continued effectiveness of the measures. If implementing BMPs is impracticable before the next storm or snowmelt event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.
2. If existing BMPs need to be modified or if additional BMPs are necessary for any reason, implementation shall be completed before the next storm event. If implementing BMPs is impracticable before the next storm event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.

D. Modifications to the EPSC Plan Identified as Necessary by Inspections from DEC Representatives

1. If, based upon inspections or investigations by DEC representatives, it is determined that the EPSC Plan will not be sufficient to prevent runoff of visibly discolored stormwater from the construction site, the permittee shall modify the EPSC Plan as necessary to include additional or modified BMPs designed to correct problems identified. Revisions to the EPSC Plan shall be completed within seven (7) calendar days following the inspection or investigation.
2. At any time after issuing this permit, the Secretary may, in his or her sole discretion, determine that a stormwater discharge may cause, has reasonable potential to cause, or contribute to a violation of Vermont's Water Quality Standards. If such a determination is made, the Secretary will require the permittee to:
 - a. Amend the EPSC Plan to address adequately the identified water quality concerns;
 - b. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
 - c. Cease discharges of pollutants to surface waters from the construction activity.
3. The Secretary has the sole discretion to order a permittee to immediately stop all ongoing construction and construction-related activities upon a finding that a discharge or potential discharge from such activities presents a current or potential threat of harm to the environment. The Secretary's stop work order may also require the permittee to take all actions to prevent or correct the discharge or potential discharge. Any action taken by the Secretary pursuant to this subpart shall not limit the Secretary's authority to pursue other enforcement actions pursuant to 10 V.S.A Chapters 47 and 201.
4. Each revised EPSC Plan prepared pursuant to this Part shall be maintained on-site.

E. EPSC Plan Availability

The permittee shall provide a copy of the EPSC Plan and all amendments to the OSPC and all contractors responsible for construction activities. A copy of the EPSC Plan shall be kept on site at all times and shall be made available to the Secretary, or his or her designated representative, upon request.

F. Amending the EPSC Plan

1. The permittee shall amend the EPSC Plan prior to implementing any change in the design, construction, operation or other procedure which would alter the grading plan, construction sequence, or the location or implementation of any BMPs.

2. An amendment to the EPSC Plan is required, if after taking corrective action, as required in Part III.B, it is determined that the EPSC Plan requires an amendment to be effective in future efforts in preventing erosion and controlling the discharge of sediment.
3. An amendment to the EPSC Plan is required if the Secretary makes this determination pursuant to Part II.D.2 of this permit.
4. The OSPC is authorized to implement minor changes that involve substituting accepted interchangeable erosion prevention and sediment control practices, as detailed in the Vermont Erosion Prevention and Sediment Control Field Guide. The substitution of interchangeable practices shall be noted on the on-site EPSC Plan, on a form provided by the Secretary.
5. For changes to the EPSC Plan other than substitution of interchangeable practices from the Vermont Erosion Prevention and Sediment Control Field Guide, the permittee shall have the EPSC Plan modified to reflect the change by either the original designer, a professional engineer licensed in the State of Vermont or a Certified Professional in EPSC. Such modification shall include a certification that the modified EPSC Plan meets the requirements of this permit and The Vermont Standards and Specifications for Erosion Prevention and Sediment Control on a form provided by the Secretary.
6. All proposed changes to the EPSC Plan that do not conform to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control must be submitted to DEC for formal approval prior to implementation of the changes in the field. The submission shall include:
 - a. Narrative description of the plan changes;
 - b. Justification for the alternative EPSC practice(s);
 - c. Updated EPSC Plan sheets showing the proposed changes;
 - d. Any additional information required by the Secretary.
7. Any change that involves earth disturbance substantially outside of the originally authorized limits of disturbance requires coverage under a separate authorization or amendment to this permit. Any such change shall require the Permittee to obtain revised permit coverage from DEC prior to implementation of the change. An amendment or separate authorization requires submittal of a complete application and is subject to a new public comment period. DEC may consider several factors in determining whether the change is substantial and requires an amendment to the permit, including but not limited to size of additional area(s) to be disturbed, existing condition of area(s) to be disturbed, proximity to water resources and their buffers, and may consider whether the change will negatively impact water resources. To obtain a determination from DEC regarding whether a proposed change requires an amendment or revised permit, the Permittee shall provide the following:
 - a. Narrative description of the change(s);
 - b. Updated EPSC Plan sheets showing the proposed change(s);
 - c. Any additional information requested by the Secretary deemed necessary for consideration.

G. Late Fall/Winter/Early Spring Construction Activities

1. If construction activities involving earth disturbance continue past October 15 or begin before April 15 (Winter Construction), the permittee shall implement Winter Construction EPSC practices as outlined in the EPSC Plan.
2. If a permittee plans to undertake construction activities during Winter Construction and the EPSC Plan does not identify EPSC measures during this time period, the permittee shall submit a stand-alone EPSC Plan for this late fall/winter/early spring work to DEC for formal approval prior to undertaking such activities. The submission shall include a narrative description of the proposed work and the stand-alone EPSC Plan shall include only this work. The stand-alone EPSC Plan shall be designed according to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control.
3. All possible measures will be taken to limit the exposure of soils during all late fall/winter/early spring construction activities. The Secretary reserves the right to require suspension of construction activities until after April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality. Also, the Secretary reserves the right to prohibit construction activities between October 15 and April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality.

H. Dewatering Activities

1. A site-specific dewatering plan shall be employed for any dewatering activities. The dewatering plan shall detail the following:
 - a. Nature of activity requiring dewatering;
 - b. Location of the dewatering pumpage show on plan;
 - c. EPSC practice(s) to be used during dewatering activities; and
 - d. Anticipated duration of dewatering activities.

The use of EPSC practice(s) for dewatering activities not included in the original EPSC Plan are subject to the requirements of Part II.F.

Pumpage from areas excavated for the construction of the project shall be treated or disposed of in such manner that any dewatering discharge to waters of the state is visibly clear. Prior to any dewatering activities which may result in the pumpage reaching State waters by surface flow, the permittee shall measure and document the turbidity value to ensure that it is sufficient to comply with the terms and conditions of this permit. The inspection reports shall contain information on when dewatering is being done, measures being utilized for treatment, and effectiveness of those measures.

I. Disturbance Limitations/Stabilization

1. The total earth disturbance associated with construction of this project is approximately **22.5** acres. The maximum area of concurrent earth disturbance at any one time allowed under this permit is **7.37** acres. The concurrent disturbance is allocated as follows: *Taxiway G/K- 5 acres; Terminal Apron- 0 acres (all will be contained within excavated walls); Heritage Parking Lot- 0.39 acres; Material relocation at Quarry – 1.98 acres.*
2. All areas of earth disturbance must be stabilized within **7** days of initial disturbance. After this initial **7**-day period, all disturbances in these areas must be stabilized on a daily basis, with the following exceptions:
 - a. Stabilization is not required if work is to continue in the disturbed area within the next 24 hours and there is no precipitation forecast for the next 24 hours.

- b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet for stormwater) with a depth of 2 feet or greater (e.g. underground utility installation).
- c. During Winter Construction, to ensure cover of disturbed soil in advance of a melt event, areas of disturbed soil must be stabilized at the end of each work day, in accordance with the previous exceptions.

J. Pre-construction Conferences

The permittee shall notify DEC of the planned start date and schedule a pre-construction conference at least two weeks prior to commencing construction. The pre-construction conference shall occur prior to initiating construction activities and shall be attended by the OSPC, EPSC Specialist, and a representative of DEC.

K. Compliance with Anti-Degradation Policy and Water Quality Standards

The Secretary has determined that the permitted discharges satisfy Vermont's Anti-degradation Policy provided in Section 1-03 of the Vermont Water Quality Standards and the Department of Environmental Conservation's Interim Anti-degradation Implementation Procedure because the applicant has demonstrated how the proposed development will implement practices and monitor construction to ensure water quality is maintained in the receiving waters. In particular, the applicant has demonstrated how the proposed development will implement appropriate best management practices (BMPs) during construction in accordance with the Erosion Prevention and Sediment Control Plan (EPSC Plan) and how the applicant will ensure the project is closely monitored throughout construction.

Part III. Inspections, Discharge Sampling, Corrective Action, and Recordkeeping

A. General Inspection Requirements

- 1. The permittee is responsible for inspecting and maintaining erosion prevention and sediment controls that minimize or eliminate pollutants in the discharge in accordance with the requirements of this permit.
- 2. Inspections shall be conducted at least once every seven (7) calendar days and as required in Part III.B of this permit.
- 3. During the late fall/winter/spring construction season (October 15th through April 15th), daily inspections shall be conducted of areas that have been disturbed and are not yet finally stabilized.
- 4. Inspection frequency may be reduced to not less than one (1) per month if the entire site is temporarily stabilized.
- 5. Inspections may be postponed indefinitely if the entire site is permanently stabilized.
- 6. Inspections shall be conducted by, or under the direction of, the OSPC.
- 7. Inspections shall include all areas of the site disturbed by construction activity and all discharge locations, including areas with temporary stabilization.
- 8. An inspection report shall be completed for each inspection and signed by the OSPC or the person acting under the direction of the OSPC. At a minimum, each inspection report shall include:
 - a. The inspection date;
 - b. Names, titles, and qualifications of personnel making the inspection;

- c. A general description of weather information for the period since the last inspection (or since commencement of construction activity if the first inspection) including a description of any precipitation, any runoff of visibly discolored stormwater from the construction site and any discharges of visibly discolored stormwater from the construction site to waters of the state;
 - d. A description of current weather information and a description of any runoff or discharges of visibly discolored stormwater to waters of the state occurring at the time of the inspection;
 - e. Location(s) of runoff or discharges of visibly discolored stormwater to waters of the state from the construction site;
 - f. Location(s) of BMPs that need to be maintained;
 - g. Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
 - h. Location(s) where additional BMPs are needed that did not exist at the time of inspection;
 - i. Any corrective action required including any necessary changes to the EPSC Plan and implementation dates;
 - j. Description of areas that are currently disturbed and areas that have been temporarily or finally stabilized since last inspection;
 - k. A description of the soil conditions (e.g. dry, wet, saturated); and
 - l. A certification that the construction activities are now in compliance with the EPSC Plan and this permit.
9. A record of each inspection report and of any actions taken in accordance with this Subpart shall be maintained on-site with the EPSC Plan and shall be made available upon request by DEC representatives.
10. When site conditions between April 15th – May 15th are similar to winter conditions (e.g. snow cover, frozen ground and/or saturated soils) within the areas of planned earth disturbance, the appropriate winter restrictions on page 3.19 of the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control selected by the OSPC shall be applied to the portions of the site that are experiencing those conditions.

B. Inspection, Sampling and Corrective Action Requirements

1. As soon as reasonably possible, during, or after, every rainfall event or snowmelt event which produces runoff from the construction site, the OSPC shall inspect for the runoff of visibly discolored stormwater from the construction site. If there is runoff of visibly discolored water from the construction site, the OSPC shall as soon as practicable inspect and maintain BMPs for compliance with the approved EPSC plan. For purposes of this permit, “construction site” shall mean the land or water area where any facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity or the area of earth disturbance directly associated with the permitted construction activity.
2. If after inspecting and maintaining existing BMPs in accordance with Part III.B.1, the runoff of visibly discolored stormwater continues, the OSPC shall sample the runoff as follows:
 - a. A turbidity sample shall be taken at each point where visibly discolored stormwater runs off the construction site. Samples shall be representative of the flow and characteristics of the runoff.
 - b. If due to unexpected circumstances an OSPC is unable to sample during periods of runoff, the monitoring report shall include a brief explanation of such circumstances.
 - c. Sampling is required at all points where visibly discolored stormwater runoff from disturbed areas that have not been finally stabilized leaves the construction site.

- d. All sampling points shall be identified on the EPSC Plan site map and be clearly marked in the field with a flag, tape, stake or other visible marker.
 - e. After approval by DEC, sampling may be discontinued at those points of stormwater runoff that are deemed to pose no risk of discharge to waters of the state.
3. If the turbidity sample taken is 25 NTU or lower, no further sampling or action is required during this particular event.
 4. If the turbidity sample taken is greater than 25 NTU:
 - a. The OSPC shall as soon as practicable evaluate the need for supplemental BMPs and install such BMPs as necessary to correct the runoff.
 - b. The OSPC shall, within 72 hours of first discovering the runoff, submit a written report about the runoff and resulting corrective action to the Secretary. The report shall:
 - i. Be on a form provided by the Secretary
 - ii. Describe the cause, time and date, and location of the runoff;
 - iii. Describe the status of construction and conformance with the EPSC Plan at the time of the runoff;
 - iv. Detail the corrective action taken to stop the runoff, including a description of the actions taken, their location, and the time and date of the corrective action; and
 - v. Be copied and a copy retained on-site with the EPSC Plan.
 - c. The EPSC Plan shall be updated within 72 hours to reflect the actions taken.
 5. After taking the actions required in Part III.B.4.a above, and if the runoff of visibly discolored stormwater continues, the OSPC shall again follow the inspection and sampling requirements in Part III.B.2 above. If the turbidity sample is less than 25 NTU then no further action is needed. If the turbidity sample is greater than 25 NTU, the OSPC shall immediately notify DEC's Stormwater Program. DEC may require the OSPC to reevaluate existing BMPs and install supplemental BMPs as necessary to correct the runoff. At the Secretary's discretion, DEC may also require the OSPC to continue sampling runoff daily when runoff is occurring until:
 - a. Turbidity is 25 NTU or lower; or
 - b. The runoff stops or is eliminated.

C. Recordkeeping

1. The following records shall be maintained on-site with the EPSC Plan:
 - a. Inspection reports prepared pursuant to Part III.A of this permit;
 - b. Discharge Reports, Corrective Action reports and Summaries of Releases prepared pursuant to Parts III.B and VIII.C of this permit;
 - c. Notices of Addition or Termination of Co-Permittees submitted to the Secretary in accordance with Part V of this permit;
 - d. Any Notices of Termination for Portions of the On-going Construction Site in accordance with Part V of this permit; and
 - e. Any amendments to the EPSC Plan required by this permit.
2. A copy of the authorized EPSC Plan shall be on-site during normal working hours from the date of commencement of construction activities to the date of final stabilization. EPSC Plans shall be made available upon request by DEC representatives.

3. The OSPC shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site.
4. The permittee shall post a Notice of Authorization, provided by the Secretary, demonstrating authorization under this permit. The notice shall be placed near the construction entrance at a location visible to the public.

Part IV. EPSC Specialist Oversight

EPSC Specialist

1. In addition to the regular inspections required under Part III.A., the permittee shall designate an EPSC Specialist who will be responsible for performing environmental inspections during the project; confirming water resources protection throughout the project, and for related record keeping. The name, address, telephone number, and basic qualifications of the person shall be provided to DEC for approval before the commencement of construction. This person shall not be the OSPC.
2. The EPSC Specialist shall determine, confirm, and report whether the EPSC Plan is being followed and that appropriate revisions are being made to the EPSC Plan when the EPSC Plan proves inadequate. In addition, the EPSC Specialist shall, in conjunction with the OSPC bear the responsibility of reviewing the site to ensure compliance with the approved EPSC Plan and to direct corrective action in accordance with Part III.B of this permit.
3. The EPSC Specialist shall notify the contractor when changes in practice are necessary to comply with the EPSC Plan and the terms and conditions of this permit. The EPSC Specialist shall be responsible for inspections, photo documentation, and record keeping and shall, biweekly during earth disturbance activities, file with DEC a report outlining:
 - a. Construction status;
 - b. EPSC practices installed and removed since last report;
 - c. New measures undertaken subsequent to the prior report;
 - d. Erosion problems encountered and how and when resolved;
 - e. Status of the project in terms of consistency with the planned construction sequence;
 - f. Description, including location and total area (acres), of disturbed land at the time of the inspection;
 - g. Description of areas temporarily or permanently stabilized since the last inspection record;
 - h. Changes in the EPSC Plan that are required (including submission for authorization from DEC, when necessary);
 - i. When dewatering is underway, discussion and photographs of measures being utilized for treatment, and turbidity monitoring results in conformance with Part III.H of this permit;
 - j. Photographs of areas stabilized since the prior report;
 - k. Photographs of all disturbed areas;
 - l. Photographs of receiving water(s) at turbidity monitoring location(s); and
 - m. All turbidity monitoring results collected since prior report in accordance with Subpart III.B of this permit.
4. In advance of the start of construction, the EPSC Specialist shall present to DEC for approval the proposed reporting format. Construction may not commence prior to DEC's written approval of the reporting format and schedule. Bi-weekly reports shall be submitted by the Wednesday, or as soon as

responsibly possible, following the end of the bi-weekly period. EPSC Specialist reports shall be filed via mail with:

Department of Environmental Conservation
Watershed Management Division
Stormwater Management Program
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3522

Or, via email to the appropriate Stormwater Management Program representative.

5. Each inspection report shall be prepared in consultation with the OSPC, shall include a review of the OSPC's inspection reports since the last inspection period, and shall be signed by the EPSC Specialist.

Part V. Transfers of Permit, Co-Permittees, and Termination

A. Transfer of Permit Coverage

1. A transfer of this permit may occur only in connection with the transfer of the entire construction site to a new owner.
2. A Notice of Transfer must be submitted to the Secretary not later than thirty (30) days prior to the transfer and shall include the following:
 - a. The name and address of the present permittee;
 - b. The name and address of the prospective permittee;
 - c. The proposed date of transfer; and
 - d. A statement signed by the prospective permittee, stating that:
 - i. The conditions of the facility operation that contribute to, or affect, any discharge will not be materially different under the new ownership;
 - ii. The prospective permittee has read and is familiar with the terms of the permit and agrees to comply with all the terms and conditions of the permit; and
 - iii. The prospective permittee has adequate funding or other means to effect compliance with all the terms of the permit.

B. Adding or Terminating Co-Permittees

1. An owner or principal operator may be added as a co-permittee by filing a Notice of Addition of Co-Permittee form with the Secretary. The Co-Permittee shall be subject to all the terms and conditions of this permit and the EPSC Plan.
2. If the owner of the construction site obtains coverage under this permit and the owner is not the principal operator or the sole principal operator, then all principal operators shall obtain coverage as co-permittees in accordance with this Subpart prior to the commencement of construction activities.
3. A co-permittee may be terminated as a Co-Permittee by filing a Notice of Termination of Co-Permittee form on a form provided by the Secretary. The Co-Permittee shall only be terminated from the permit upon approval by the Secretary.

C. Notice of Termination for Portions of an On-going Construction Site

1. A permittee may submit a Notice of Termination (NOT) for a portion of the on-going construction project in the following instances:
 - a. When final stabilization has been achieved on the portion of the site for which termination is sought;
 - b. When title to a portion of the construction site has been transferred to a new owner and the new owner has obtained separate coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;
 - c. When another operator has assumed control over the portion of the site for which termination is sought and the new operator has obtained coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;
 - d. For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.
2. To obtain a notice of termination for a portion of an on-going construction site, the permittee shall follow the requirements of Part V.E of this permit.

D. Notice of Termination for the Entire Construction Site

1. The permittee may submit a NOT for the entire construction site in the following instances:
 - a. Final stabilization has been achieved on the entire construction site for which the permittee is responsible;
 - b. Another operator has assumed control over all areas of the site that have not been finally stabilized and has obtained permit coverage; or
 - c. Coverage under an individual or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement has been obtained.
2. To obtain a notice of termination for the entire construction site, the permittee shall follow the requirements of Part V.E of this permit.

E. Submitting a Notice of Termination

1. A permittee shall submit a complete and accurate NOT, on a form provided by the Secretary.
2. A NOT shall include, at a minimum, the following information:
 - a. The permit number for which termination is sought;
 - b. The basis for submission of the NOT;
 - c. The owner's and operator's name, address and telephone number;
 - d. The name of the project and address (or a description of location if no street address is available) of the construction site for which the notification is submitted;
 - e. A certification statement, signed and dated by the OSPC and by an authorized representative as defined in the signature requirements in Part VIII.I, and the name and title of that authorized representative; and
 - f. If the NOT is for only a portion of an ongoing construction project, a description of the portion of the site to which the NOT will apply and a plan showing the boundaries of this portion.

Part VI. Violation of Permit Requirements; Enforcement

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of 10 V.S.A. Chapter 47 and the federal Clean Water Act, and is grounds for an enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

Part VII. Appeals

1. Renewable Energy Projects – Right to Appeal to Public Service Board

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Telephone #802-828-2358).

2. All Other Projects – Right to Appeal to Environmental Court

Pursuant to 10 V.S.A. Chapter 220, if this decision relates to all other projects, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00 payable to the State of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For additional information, see the Vermont Rules for Environmental Court Proceedings, available online at www.vermontjudiciary.org or call (802) 951-1740. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303, Burlington, Vermont 05401.

Part VIII. Standard Permit Conditions

A. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

B. Limitations

1. This permit conveys no vested rights or exclusive privileges. The permit conveys no title to land nor authorizes any injury to public or private property. The permit does not authorize infringement of any applicable federal, state or local laws or regulations nor obviate the necessity of obtaining such additional permits as may be required.
2. Nothing in this permit shall be construed as having relieved, modified, or in any manner affected the permittee's ongoing obligation to comply with all other federal, state or local statutes, regulations or directives applicable to the permittee in the operation of its business, nor does it relieve the permittee of the obligation to obtain all necessary federal, state and local permits.

C. Prohibitions

1. This permit does not relieve any person of the federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 relating to spills or other releases of oils or hazardous substances. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.
2. If a release in excess of reportable quantities occurs, the permittee must modify the EPSC Plan required under Part III within 7 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. The EPSC Plan must identify measures to prevent the reoccurrence of such releases and to respond to such releases.
3. Discharges of any material other than stormwater, such as vehicle and equipment maintenance spills, fuels, wash water, construction debris, oil, wet concrete (including washout water from concrete batch trucks or equipment used to mix concrete), and other substances are prohibited.
4. Sediments and other pollutants collected and removed in the course of treatment of stormwater runoff shall be disposed in a manner that will not result in the sediments and pollutants entering waters of the State.

D. Right of Entry

The permittee shall allow the Secretary and his/her authorized representatives, at reasonable times, and upon presentation of credentials, to enter upon and inspect the property on which the construction activities are occurring and to sample any construction-related discharges and to have access to and copy any records required to be kept pursuant to this permit.

E. Historic Properties

Each permittee must comply with any applicable state and local laws concerning the protection of historic properties and places.

F. Retention of Records

Copies of the EPSC Plan, all amendments thereto, and all documentation required by this permit, including records of all data used to complete the NOI to be covered by this permit, must be retained for at least three years from the date that permit coverage expires or is terminated. This period may be extended by request of the Secretary at any time.

G. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

H. Duty to Mitigate

A permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

I. Signatory Requirements

1. All applications must be signed as follows:

- a. For a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - i. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation;
 - ii. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal or other public agency: by either a principal executive officer or a ranking elected official. For purposes of this section, a principal executive officer of a Federal Agency includes: the chief executive officer of the agency or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. All reports required by this permit, including but not limited to EPSC Plans, must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if the authorization is made in writing by a person described above. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position. The signed and dated written authorization must be included in the EPSC Plan. A copy must be submitted to DEC, if requested.
 3. Any person signing documents required under the terms of this permit must include the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

J. Duty to Reapply

If a discharge from the construction site is anticipated to continue after the expiration date of this permit, the permittee must reapply for coverage under a new permit sixty (60) days prior to the expiration date of this permit.

K. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of this permit.

L. Notice of Planned Changes

The permittee shall give notice to the Secretary as soon as possible of any planned physical alterations to the permitted facility.

M. Notice of Anticipated Noncompliance

The permittee shall give advance notice to the Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

N. Duty to Provide Information

The permittee shall furnish to the Secretary, within a reasonable time, any information which the Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine noncompliance with this permit. The permittee shall also furnish to the Secretary upon request, copies of records to be kept pursuant to this permit. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in a report to the Secretary, it shall promptly submit such facts or information.

O. Penalty for Permit Violation

10 V.S.A. Section 1275(a) provides that:

Any person who violations any provision of this subchapter or who fails, neglects or refuses to obey or comply with any order or the terms of any permit issued in accordance with this subchapter, shall be fined not more than \$25,000.00 or imprisoned not more than six months, or both. Each violation may be a separate offense and, in the case of a continuing violation, each day's continuance may be deemed a separate offense.

10 V.S.A. Section 8010(c) provides that:

A penalty of not more than \$42,500 may be assessed for each determination of a separate violation. In addition, if the secretary determines that a violation is continuing the secretary may assess a penalty of not more than \$17,000.00 for each day the violation continues. The maximum amount of penalty assessed under this subsection shall not exceed \$170,000.00.

P. Penalty for False Statement

10 V.S.A. Section 1275(b) provides that:

Any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained under this subchapter, or by any permit, rule, regulation or order issued under this subchapter, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this subchapter or by any permit, rule, regulation, or order issued under this subchapter, shall upon conviction, be punished by a fine of not more than \$10,000.00 or by imprisonment for not more than six months, or by both.

Q. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

R. Monitoring

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

S. Twenty-four hour reporting

Unless provided otherwise by this permit, the permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

Part X. Effective Date of Permit and Permit Term

This permit shall become effective upon signing and shall expire five (5) years from the date of signing.

Signed this 11th day of September, 2015

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By: _____
Padraic Monks
Stormwater Program Manager

BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028—INDC.2
Rehabilitation of Portions of the Terminal
Apron Phases 3-9**

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Notice of Authorization

Individual Discharge Permit for Stormwater Runoff from
Construction Activities



Project Name: Rehabilitation of Portions the Terminal
Apron Phases 3-9

Permittee Name: City of Burlington, Burlington
International Airport

Permit Number: 3028-INDC.2

Date of Issuance: 12/22/2015

Date of Expiration: 12/22/2020

The above project has been issued an Individual Permit to discharge stormwater for the construction of the Rehabilitation of Portions the Terminal Apron Phases 3-9. This project involves full depth reconstruction of the existing terminal apron to reconstruct and strengthen pavement in the aircraft parking area. No existing drainage structures or drainage patterns will be altered due to this construction project. The existing trench drain will be reconstructed, but the outlet of the proposed trench drain will not differ from the existing condition.

This permit includes the following requirements:

1. Implementation of the authorized site-specific Erosion Prevention and Sediment Control Plan.
2. All areas of disturbance must have temporary or final stabilization within **14 days** of the initial disturbance. After this time, any disturbance in the area must be stabilized at the end of each work day. The following exceptions apply:
 - a. Stabilization is not required if work is to continue in the area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet) with a depth of 2 feet or greater (e.g. house foundation excavation, utility trenches).
3. The total earth disturbance associated with construction of this project is approximately 8.47 acres. The maximum area of earth disturbance at any one time allowed under this permit is **2 acres**.
4. With certain exceptions described in Part III A. of the permit, Inspections shall be conducted at least once every seven (7) calendar days and as soon as reasonably possible, during, or after, every rainfall event which produces runoff from the construction site.
5. If there is a discharge of visibly discolored stormwater from the construction site or from the construction site to waters of the State, the permittee shall inspect and maintain Best Management Practices as soon as practicable and take corrective action in accordance with Part III. B. of this permit.
6. The On-site Plan Coordinator shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site. If an on-site location is unavailable to store the EPSC Plan when no personnel are present, notice of the plan's location shall be posted near the main entrance at the construction site.

To request information on this authorization or to report compliance concerns please contact:

Vermont DEC, Watershed Management Division
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3222
(802) 828-1535

[See next page for posting requirements]

Permittee Directions for Posting:

This notice shall be placed near the construction entrance at a location visible to the public. If displaying near the main entrance is infeasible, the notice shall be posted in a local public building such as the town hall or public library. For linear projects, the notice shall be posted at a publicly accessible location near the active part of the construction project (e.g. where a pipeline project crosses a public road or at a project staging area).

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
WATERSHED MANAGEMENT DIVISION
1 NATIONAL LIFE DRIVE, MAIN 2
MONTPELIER, VT 05620-3522

DISCHARGE PERMIT
NPDES Number: VTS0000189
Permit Number: 3028-INDC.2

For Stormwater Runoff from the Construction of the **Rehabilitation of Portions the Terminal Apron Phases 3-9**, located at Burlington International Airport, discharging to unnamed tributary to the Winooski River.

In compliance with provisions of the following state and federal laws and rules: the Vermont Water Pollution Control statute, 10 V.S.A. Chapter 47, including §§1258, 1259 and 1263; the Vermont Water Pollution Control Rules, Chapter 13, the federal Clean Water Act, as amended, 33 U.S.C. 1251 et seq., including 33 USC 1342(p); and the regulations of the federal Environmental Protection Agency including 40 CFR 122.26 and in accordance with terms and conditions hereinafter specified,

Permittee: City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Co-Permittees: (All principal operators shall obtain coverage as co-permittees prior to the commencement of construction activities.)

are hereby authorized by the Secretary of the Agency of Natural Resources (ANR), to discharge stormwater runoff from the construction site of the **Rehabilitation of Portions the Terminal Apron Phases 3-9**, located at Burlington International Airport Property along Airport Drive in South Burlington, VT, discharging to unnamed tributary to the Winooski River.

This authorization incorporates by reference the following Erosion Prevention and Sediment Control Plan (EPSC Plan) provided by the applicant to the Secretary:

SHEET	DWG NO.	TITLE SHEET
2	G1.2	GENERAL NOTES, LEGEND AND INDEX TO DRAWINGS
3	G1.3	GENERAL PLAN AND AIRFIELD SURVEY CONTIROL
4P	G1.4P	PHASING PLAN AND KEY PLAN
4	G1.4	PHASING PLAN AND KEY PLAN
7	ER1.1	EROSION CONTIROL NOTES AND DETAILS
8	DE1.1	DEMOLITION PLAN - SHEET 1 OF 4
9	DE1.2	DEMOLITION PLAN - SHEET 2 OF 4
10	DE1.3	DEMOLITION PLAN - SHEET 3 OF 4
11	DE1.4	DEMOLITION PLAN - SHEET 4 OF 4
16	GE2.1	TYPICAL SECTION
17	GE3.1	PAVEMENT DETAILS
18	GD1.1	GRADING AND DRAINAGE PLAN - SHEET 1 OF 4
19	GD1.2	GRADING AND DRAINAGE PLAN - SHEET 2 OF 4

Project Name: Rehabilitation of Portions the Terminal Apron Phases 3-9
NPDES Number: VTS0000189

Permit Number 3028-INDC.2

20 GD1.3 GRADING AND DRAINAGE PLAN - SHEET 3 OF 4
21 GD1.4 GRADING AND DRAINAGE PLAN - SHEET 4 OF 4
25 GD3.2 GRADING AND DRAINAGE DETAILS - SHEET 2 OF 2

All dated September 2015 and last revised 9/3/2015

And

SHEET CONSTRUCTION SAFETY AND PHASING PLAN, dated February 2015, last revised
G1.4 2/6/2015

Prepared by **Hoyle Tanner Associates, Inc**
Received **9/21/2015**

Part I. Coverage Under this Permit

A. Discharges Covered by this Permit

Subject to compliance with the terms and conditions of this permit, this permit authorizes the discharge of pollutants in stormwater associated with the construction **Rehabilitation of Portions the Terminal Apron Phases 3-9**, located at Burlington International Airport Property along Airport Drive in South Burlington, VT, discharging to unnamed tributary to the Winooski River. This permit only applies to construction activities performed in accordance with the approved EPSC Plan. This permit also authorizes discharges from excavation dewatering activities in accordance with Part II.H of this permit.

B. Limitations on Coverage

1. The Secretary has determined that an individual permit is required for this project.
2. This permit does not authorize:
 - a. Discharges of post-construction regulated stormwater runoff from impervious surfaces regulated pursuant to Vermont's stormwater statute (10 V.S.A. Section §1264) and Vermont Department of Environmental Conservation's (DEC) stormwater rules (i.e. Chapters 18 and 22 of DEC's Environmental Protection Rules);
 - b. Stormwater discharges not associated with construction activities;
 - c. Stormwater discharges from construction related activities when the discharge or activity is likely to jeopardize the continued existence of any State or federally listed threatened or endangered species or result in the destruction or adverse modification of critical habitat.

C. Off-Site Support Activities

The permittee shall obtain permit coverage from DEC prior to the use of any support activities occurring outside of the approved project boundaries (e.g. equipment staging areas, material storage areas, excavated material disposal areas and borrow areas). Support activities outside of the approved project boundaries shown in the EPSC Plan shall obtain coverage by amending this permit, or by obtaining coverage under a different individual discharge permit or under DEC's General Permit for Stormwater Runoff from Construction Sites.

D. Co-Permittees

1. In addition to the permittee, all parties associated with the construction activity who meet either of the following two criteria must obtain coverage under this permit as co-permittee prior to the commencement of construction activities:
 - a. The party has operational control over construction plans and specifications, including but not limited to the ability to make modifications to those plans and specifications; or
 - b. The party has continuous day-to-day operational control of those activities at the project that are necessary to ensure compliance with an EPSC Plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the EPSC Plan or comply with other permit conditions).

Part II. Erosion Prevention and Sediment Control Requirements

A. Implementation of EPSC Plan

1. Each permittee is responsible for implementing the approved EPSC Plan and shall at all times comply with the approved EPSC Plan or amended versions of the EPSC Plan updated in accordance with this permit.
2. The EPSC Plan is incorporated by reference and included in the terms of this permit, and each permittee shall implement the provisions of the EPSC Plan, and all amendments thereto, as a condition of this permit. Failure to comply with the EPSC Plan, and all amendments thereto, shall be deemed a violation of this permit and subject to potential enforcement.
3. Each permittee is responsible for ensuring that each co-permittee involved in construction activities is familiar with the terms and conditions of the EPSC Plan and that each co-permittee's activities are carried out in accordance with the EPSC Plan.
4. The permittee shall assure that construction of all small and large sediment control practices, where proposed on the site, are completed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control prior to upslope earth disturbance of areas for which these features are designed to provide sediment control.
5. The permittee shall assure that, prior to earth disturbance within any area of the site located within 100 feet upslope of a stream or wetland, silt fence or approved perimeter control shall be installed in accordance with the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control and the EPSC Plan at an appropriate distance down slope from disturbed areas and upslope from such waters.
6. The permittee shall install all required elements with the EPSC Plan within a given work area prior to earth disturbance within that work area. Earth disturbance includes, but is not limited to, stumping and grubbing of cleared areas.

B. On-Site Plan Coordinator (OSPC)

1. The permittee shall designate a person as the OSPC who shall be directly responsible for on-site implementation of the EPSC Plan. Such person shall be knowledgeable in the principles and practice of erosion prevention and sediment controls and possess the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of all sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.
2. The OSPC shall have the authority to stop and/or modify construction activities as necessary to comply with the EPSC Plan and the terms and conditions of this permit and shall be responsible for inspections and record keeping. The OSPC or his/her designee shall be on site on a daily basis during construction activity. The OSPC does not have to be the permit applicant.
3. The name and daytime telephone number of the OSPC shall be filed in writing with DEC's Stormwater Management Program before the start of construction.

C. Maintenance of Erosion Prevention and Sediment Control Measures

1. All erosion prevention and sediment control measures identified in the EPSC Plan shall be maintained in effective operating condition. If site inspections required by Part III.A identify Best Management Practices (BMPs) that are not operating effectively, maintenance shall be performed as soon as possible and before the next storm or snowmelt event to maintain the continued effectiveness of the measures. If implementing BMPs is impracticable before the next storm or snowmelt event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.
2. If existing BMPs need to be modified or if additional BMPs are necessary for any reason, implementation shall be completed before the next storm event. If implementing BMPs is impracticable before the next storm event, then the affected area shall be stabilized temporarily until such time that the BMPs can be installed.

D. Modifications to the EPSC Plan Identified as Necessary by Inspections from DEC Representatives

1. If, based upon inspections or investigations by DEC representatives, it is determined that the EPSC Plan will not be sufficient to prevent runoff of visibly discolored stormwater from the construction site, the permittee shall modify the EPSC Plan as necessary to include additional or modified BMPs designed to correct problems identified. Revisions to the EPSC Plan shall be completed within seven (7) calendar days following the inspection or investigation.
2. At any time after issuing this permit, the Secretary may, in his or her sole discretion, determine that a stormwater discharge may cause, has reasonable potential to cause, or contribute to a violation of Vermont's Water Quality Standards. If such a determination is made, the Secretary will require the permittee to:
 - a. Amend the EPSC Plan to address adequately the identified water quality concerns;
 - b. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
 - c. Cease discharges of pollutants to surface waters from the construction activity.
3. The Secretary has the sole discretion to order a permittee to immediately stop all ongoing construction and construction-related activities upon a finding that a discharge or potential discharge from such activities presents a current or potential threat of harm to the environment. The Secretary's stop work order may also require the permittee to take all actions to prevent or correct the discharge or potential discharge. Any action taken by the Secretary pursuant to this subpart shall not limit the Secretary's authority to pursue other enforcement actions pursuant to 10 V.S.A Chapters 47 and 201.
4. Each revised EPSC Plan prepared pursuant to this Part shall be maintained on-site.

E. EPSC Plan Availability

The permittee shall provide a copy of the EPSC Plan and all amendments to the OSPC and all contractors responsible for construction activities. A copy of the EPSC Plan shall be kept on site at all times and shall be made available to the Secretary, or his or her designated representative, upon request.

F. Amending the EPSC Plan

1. The permittee shall amend the EPSC Plan prior to implementing any change in the design, construction, operation or other procedure which would alter the grading plan, construction sequence, or the location or implementation of any BMPs.

2. An amendment to the EPSC Plan is required, if after taking corrective action, as required in Part III.B, it is determined that the EPSC Plan requires an amendment to be effective in future efforts in preventing erosion and controlling the discharge of sediment.
3. An amendment to the EPSC Plan is required if the Secretary makes this determination pursuant to Part II.D.2 of this permit.
4. The OSPC is authorized to implement minor changes that involve substituting accepted interchangeable erosion prevention and sediment control practices, as detailed in the Vermont Erosion Prevention and Sediment Control Field Guide. The substitution of interchangeable practices shall be noted on the on-site EPSC Plan, on a form provided by the Secretary.
5. For changes to the EPSC Plan other than substitution of interchangeable practices from the Vermont Erosion Prevention and Sediment Control Field Guide, the permittee shall have the EPSC Plan modified to reflect the change by either the original designer, a professional engineer licensed in the State of Vermont or a Certified Professional in EPSC. Such modification shall include a certification that the modified EPSC Plan meets the requirements of this permit and The Vermont Standards and Specifications for Erosion Prevention and Sediment Control on a form provided by the Secretary.
6. All proposed changes to the EPSC Plan that do not conform to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control must be submitted to DEC for formal approval prior to implementation of the changes in the field. The submission shall include:
 - a. Narrative description of the plan changes;
 - b. Justification for the alternative EPSC practice(s);
 - c. Updated EPSC Plan sheets showing the proposed changes;
 - d. Any additional information required by the Secretary.
7. Any change that involves earth disturbance substantially outside of the originally authorized limits of disturbance requires coverage under a separate authorization or amendment to this permit. Any such change shall require permittee to submit to DEC for formal approval prior to implementation of the change. In consideration for approval, DEC may consider several factors in determining whether the change is substantial and requires an amendment to the permit, including but not limited to size of additional area(s) to be disturbed, existing condition of area(s) to be disturbed, proximity to water resources and their buffers, and may consider whether the change will negatively impact water resources. The submission shall include:
 - a. Narrative description of the change(s);
 - b. Justification for the change;
 - c. Updated EPSC Plan sheets showing the proposed change(s);
 - d. Any additional information requested by the Secretary deemed necessary for consideration.

G. Late Fall/Winter/Early Spring Construction Activities

1. If construction activities involving earth disturbance continue past October 15 or begin before April 15 (Winter Construction), the permittee shall implement Winter Construction EPSC practices as outlined in the EPSC Plan.
2. If a permittee plans to undertake construction activities during Winter Construction and the EPSC Plan does not identify EPSC measures during this time period, the permittee shall submit a stand-alone EPSC Plan for this late fall/winter/early spring work to DEC for formal approval prior to undertaking such

activities. The submission shall include a narrative description of the proposed work and the stand-alone EPSC Plan shall include only this work. The stand-alone EPSC Plan shall be designed according to The Vermont Standards and Specifications for Erosion Prevention and Sediment Control.

3. All possible measures will be taken to limit the exposure of soils during all late fall/winter/early spring construction activities. The Secretary reserves the right to require suspension of construction activities until after April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality. Also, the Secretary reserves the right to prohibit construction activities between October 15 and April 15 if late fall/winter/early spring construction is determined to present a significant risk to water quality.

H. Dewatering Activities

1. A site-specific dewatering plan shall be employed for any dewatering activities. The dewatering plan shall detail the following:
 - a. Nature of activity requiring dewatering;
 - b. Location of the dewatering pumpage show on plan;
 - c. EPSC practice(s) to be used during dewatering activities; and
 - d. Anticipated duration of dewatering activities.

The use of EPSC practice(s) for dewatering activities not included in the original EPSC Plan are subject to the requirements of Part II.F.

Pumpage from areas excavated for the construction of the project shall be treated or disposed of in such manner that any dewatering discharge to waters of the state is visibly clear. Prior to any dewatering activities which may result in the pumpage reaching State waters by surface flow, the permittee shall measure and document the turbidity value to ensure that it is sufficient to comply with the terms and conditions of this permit. The inspection reports shall contain information on when dewatering is being done, measures being utilized for treatment, and effectiveness of those measures.

I. Disturbance Limitations/Stabilization

1. The total earth disturbance associated with construction of this project is approximately **8.47** acres. The maximum area of concurrent earth disturbance at any one time allowed under this permit is **2** acres.
2. All areas of earth disturbance must be stabilized within **14** days of initial disturbance. After this initial **14**-day period, all disturbances in these areas must be stabilized on a daily basis, with the following exceptions:
 - a. Stabilization is not required if work is to continue in the disturbed area within the next 24 hours and there is no precipitation forecast for the next 24 hours.
 - b. Stabilization is not required if the work is occurring in a self-contained excavation (i.e. no outlet for stormwater) with a depth of 2 feet or greater (e.g. underground utility installation).
 - c. During Winter Construction, to ensure cover of disturbed soil in advance of a melt event, areas of disturbed soil must be stabilized at the end of each work day, in accordance with the previous exceptions.

J. Pre-construction Conferences

The permittee shall notify DEC of the planned start date and schedule a pre-construction conference at least two weeks prior to commencing construction. The pre-construction conference shall occur prior to initiating construction activities and shall be attended by the OSPC, EPSC Specialist, and a representative of DEC.

- K. **Presumption of Compliance with Vermont's Anti-Degradation Policy and Water Quality Standards**
The Secretary has determined that the permitted discharges satisfy Vermont's Anti-Degradation Policy described in the DEC's Interim Anti-Degradation Implementation Procedure (Procedure), because the procedure allows a presumption of compliance for discharges that meet the requirements of a BMP or treatment and control manual as described in Section IX.D.1.a of the Procedure. The Secretary has also determined that for such discharges that qualify for the presumption under IX.D.1.a, all existing uses of surface waters, and the level of water quality necessary to protect those existing uses will be maintained and protected. The Secretary has determined that if the permittee is in full compliance with all permit conditions, including approved plans, sampling, monitoring, reporting and recordkeeping conditions, and is fully implementing stormwater BMPs required by this permit, the permitted discharges will meet the requirements of the Vermont Standards and Specifications for Erosion Prevention and Sediment Control and qualify for the presumption described in Section IX.D.1.a of the Procedure and will be presumed to comply with the Vermont Water Quality Standards, including but not limited to §1-03 (Vermont's Anti-degradation Policy).

Part III. Inspections, Discharge Sampling, Corrective Action, and Recordkeeping

A. General Inspection Requirements

1. The permittee is responsible for inspecting and maintaining erosion prevention and sediment controls that minimize or eliminate pollutants in the discharge in accordance with the requirements of this permit.
2. Inspections shall be conducted at least once every seven (7) calendar days and as required in Part III.B of this permit.
3. During the late fall/winter/spring construction season (October 15th through April 15th), daily inspections shall be conducted of areas that have been disturbed and are not yet finally stabilized.
4. Inspection frequency may be reduced to not less than one (1) per month if the entire site is temporarily stabilized.
5. Inspections may be postponed indefinitely if the entire site is permanently stabilized.
6. Inspections shall be conducted by, or under the direction of, the OSPC.
7. Inspections shall include all areas of the site disturbed by construction activity and all discharge locations, including areas with temporary stabilization.
8. An inspection report shall be completed for each inspection and signed by the OSPC or the person acting under the direction of the OSPC. At a minimum, each inspection report shall include:
 - a. The inspection date;
 - b. Names, titles, and qualifications of personnel making the inspection;
 - c. A general description of weather information for the period since the last inspection (or since commencement of construction activity if the first inspection) including a description of any precipitation, any runoff of visibly discolored stormwater from the construction site and any discharges of visibly discolored stormwater from the construction site to waters of the state;
 - d. A description of current weather information and a description of any runoff or discharges of visibly discolored stormwater to waters of the state occurring at the time of the inspection;

- e. Location(s) of runoff or discharges of visibly discolored stormwater to waters of the state from the construction site;
 - f. Location(s) of BMPs that need to be maintained;
 - g. Location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location;
 - h. Location(s) where additional BMPs are needed that did not exist at the time of inspection;
 - i. Any corrective action required including any necessary changes to the EPSC Plan and implementation dates;
 - j. Description of areas that are currently disturbed and areas that have been temporarily or finally stabilized since last inspection;
 - k. A description of the soil conditions (e.g. dry, wet, saturated); and
 - l. A certification that the construction activities are now in compliance with the EPSC Plan and this permit.
9. A record of each inspection report and of any actions taken in accordance with this Subpart shall be maintained on-site with the EPSC Plan and shall be made available upon request by DEC representatives.
10. When site conditions between April 15th – May 15th are similar to winter conditions (e.g. snow cover, frozen ground and/or saturated soils) within the areas of planned earth disturbance, the appropriate winter restrictions on page 3.19 of the 2006 Vermont Standards and Specifications for Erosion Prevention and Sediment Control selected by the OSPC shall be applied to the portions of the site that are experiencing those conditions.

B. Inspection, Sampling and Corrective Action Requirements

1. As soon as reasonably possible, during, or after, every rainfall event or snowmelt event which produces runoff from the construction site, the OSPC shall inspect for the runoff of visibly discolored stormwater from the construction site. If there is runoff of visibly discolored water from the construction site, the OSPC shall as soon as practicable inspect and maintain BMPs for compliance with the approved EPSC plan. For purposes of this permit, “construction site” shall mean the land or water area where any facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity or the area of earth disturbance directly associated with the permitted construction activity.
2. If after inspecting and maintaining existing BMPs in accordance with Part III.B.1, the runoff of visibly discolored stormwater continues, the OSPC shall sample the runoff as follows:
 - a. A turbidity sample shall be taken at each point where visibly discolored stormwater runs off the construction site. Samples shall be representative of the flow and characteristics of the runoff.
 - b. If due to unexpected circumstances an OSPC is unable to sample during periods of runoff, the monitoring report shall include a brief explanation of such circumstances.
 - c. Sampling is required at all points where visibly discolored stormwater runoff from disturbed areas that have not been finally stabilized leaves the construction site.
 - d. All sampling points shall be identified on the EPSC Plan site map and be clearly marked in the field with a flag, tape, stake or other visible marker.
 - e. After approval by DEC, sampling may be discontinued at those points of stormwater runoff that are deemed to pose no risk of discharge to waters of the state.
3. If the turbidity sample taken is 25 NTU or lower, no further sampling or action is required during this particular event.

4. If the turbidity sample taken is greater than 25 NTU:
 - a. The OSPC shall as soon as practicable evaluate the need for supplemental BMPs and install such BMPs as necessary to correct the runoff.
 - b. The OSPC shall, within 72 hours of first discovering the runoff, submit a written report about the runoff and resulting corrective action to the Secretary. The report shall:
 - i. Be on a form provided by the Secretary
 - ii. Describe the cause, time and date, and location of the runoff;
 - iii. Describe the status of construction and conformance with the EPSC Plan at the time of the runoff;
 - iv. Detail the corrective action taken to stop the runoff, including a description of the actions taken, their location, and the time and date of the corrective action; and
 - v. Be copied and a copy retained on-site with the EPSC Plan.
 - c. The EPSC Plan shall be updated within 72 hours to reflect the actions taken.
5. After taking the actions required in Part III.B.4.a above, and if the runoff of visibly discolored stormwater continues, the OSPC shall again follow the inspection and sampling requirements in Part III.B.2 above. If the turbidity sample is less than 25 NTU then no further action is needed. If the turbidity sample is greater than 25 NTU, the OSPC shall immediately notify DEC's Stormwater Program. DEC may require the OSPC to reevaluate existing BMPs and install supplemental BMPs as necessary to correct the runoff. At the Secretary's discretion, DEC may also require the OSPC to continue sampling runoff daily when runoff is occurring until:
 - a. Turbidity is 25 NTU or lower; or
 - b. The runoff stops or is eliminated.

C. Recordkeeping

1. The following records shall be maintained on-site with the EPSC Plan:
 - a. Inspection reports prepared pursuant to Part III.A of this permit;
 - b. Discharge Reports, Corrective Action reports and Summaries of Releases prepared pursuant to Parts III.B and VIII.C of this permit;
 - c. Notices of Addition or Termination of Co-Permittees submitted to the Secretary in accordance with Part V of this permit;
 - d. Any Notices of Termination for Portions of the On-going Construction Site in accordance with Part V of this permit; and
 - e. Any amendments to the EPSC Plan required by this permit.
2. A copy of the authorized EPSC Plan shall be on-site during normal working hours from the date of commencement of construction activities to the date of final stabilization. EPSC Plans shall be made available upon request by DEC representatives.
3. The OSPC shall have a copy of the EPSC Plan and all amendments available at a central location on-site for the use of all those identified as having responsibilities under the EPSC Plan whenever they are on the construction site.
4. The permittee shall post a Notice of Authorization, provided by the Secretary, demonstrating authorization under this permit. The notice shall be placed near the construction entrance at a location visible to the public.

Part IV. EPSC Specialist Oversight

EPSC Specialist

1. In addition to the regular inspections required under Part III.A., the permittee shall designate an EPSC Specialist who will be responsible for performing environmental inspections during the project; confirming water resources protection throughout the project, and for related record keeping. The name, address, telephone number, and basic qualifications of the person shall be provided to DEC for approval before the commencement of construction. This person shall not be the OSPC.
2. The EPSC Specialist shall determine, confirm, and report whether the EPSC Plan is being followed and that appropriate revisions are being made to the EPSC Plan when the EPSC Plan proves inadequate. In addition, the EPSC Specialist shall, in conjunction with the OSPC bear the responsibility of reviewing the site to ensure compliance with the approved EPSC Plan and to direct corrective action in accordance with Part III.B of this permit.
3. The EPSC Specialist shall notify the contractor when changes in practice are necessary to comply with the EPSC Plan and the terms and conditions of this permit. The EPSC Specialist shall be responsible for inspections, photo documentation, and record keeping and shall, biweekly during earth disturbance activities, file with DEC a report outlining:
 - a. Construction status;
 - b. EPSC practices installed and removed since last report;
 - c. New measures undertaken subsequent to the prior report;
 - d. Erosion problems encountered and how and when resolved;
 - e. Status of the project in terms of consistency with the planned construction sequence;
 - f. Description, including location and total area (acres), of disturbed land at the time of the inspection;
 - g. Description of areas temporarily or permanently stabilized since the last inspection record;
 - h. Changes in the EPSC Plan that are required (including submission for authorization from DEC, when necessary);
 - i. When dewatering is underway, discussion and photographs of measures being utilized for treatment, and turbidity monitoring results in conformance with Part III.H of this permit;
 - j. Photographs of areas stabilized since the prior report;
 - k. Photographs of all disturbed areas;
 - l. Photographs of receiving water(s) at turbidity monitoring location(s); and
 - m. All turbidity monitoring results collected since prior report in accordance with Subpart III.B of this permit.
4. In advance of the start of construction, the EPSC Specialist shall present to DEC for approval the proposed reporting format. Construction may not commence prior to DEC's written approval of the reporting format and schedule. Bi-weekly reports shall be submitted by the Wednesday, or as soon as responsibly possible, following the end of the bi-weekly period. EPSC Specialist reports shall be filed via mail with:

Department of Environmental Conservation
Watershed Management Division
Stormwater Management Program
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3522

Or, via email to the appropriate Stormwater Management Program representative.

5. Each inspection report shall be prepared in consultation with the OSPC, shall include a review of the OSPC's inspection reports since the last inspection period, and shall be signed by the EPSC Specialist.

Part V. Transfers of Permit, Co-Permittees, and Termination

A. Transfer of Permit Coverage

1. A transfer of this permit may occur only in connection with the transfer of the entire construction site to a new owner.
2. A Notice of Transfer must be submitted to the Secretary not later than thirty (30) days prior to the transfer and shall include the following:
 - a. The name and address of the present permittee;
 - b. The name and address of the prospective permittee;
 - c. The proposed date of transfer; and
 - d. A statement signed by the prospective permittee, stating that:
 - i. The conditions of the facility operation that contribute to, or affect, any discharge will not be materially different under the new ownership;
 - ii. The prospective permittee has read and is familiar with the terms of the permit and agrees to comply with all the terms and conditions of the permit; and
 - iii. The prospective permittee has adequate funding or other means to effect compliance with all the terms of the permit.

B. Adding or Terminating Co-Permittees

1. An owner or principal operator may be added as a co-permittee by filing a Notice of Addition of Co-Permittee form with the Secretary. The Co-Permittee shall be subject to all the terms and conditions of this permit and the EPSC Plan.
2. If the owner of the construction site obtains coverage under this permit and the owner is not the principal operator or the sole principal operator, then all principal operators shall obtain coverage as co-permittees in accordance with this Subpart prior to the commencement of construction activities.
3. A co-permittee may be terminated as a Co-Permittee by filing a Notice of Termination of Co-Permittee form on a form provided by the Secretary. The Co-Permittee shall only be terminated from the permit upon approval by the Secretary.

C. Notice of Termination for Portions of an On-going Construction Site

1. A permittee may submit a Notice of Termination (NOT) for a portion of the on-going construction project in the following instances:
 - a. When final stabilization has been achieved on the portion of the site for which termination is sought;
 - b. When title to a portion of the construction site has been transferred to a new owner and the new owner has obtained separate coverage under an individual construction permit or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;
 - c. When another operator has assumed control over the portion of the site for which termination is sought and the new operator has obtained coverage under an individual construction permit or

DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement;

- d. For residential construction only, temporary stabilization has been completed and the residence has been transferred to the homeowner.
2. To obtain a notice of termination for a portion of an on-going construction site, the permittee shall follow the requirements of Part V.E of this permit.

D. Notice of Termination for the Entire Construction Site

1. The permittee may submit a NOT for the entire construction site in the following instances:
 - a. Final stabilization has been achieved on the entire construction site for which the permittee is responsible;
 - b. Another operator has assumed control over all areas of the site that have not been finally stabilized and has obtained permit coverage; or
 - c. Coverage under an individual or DEC's General Permit 3-9020 for Stormwater Runoff from Construction Sites (Amended 2008) or its replacement has been obtained.
2. To obtain a notice of termination for the entire construction site, the permittee shall follow the requirements of Part V.E of this permit.

E. Submitting a Notice of Termination

1. A permittee shall submit a complete and accurate NOT, on a form provided by the Secretary.
2. A NOT shall include, at a minimum, the following information:
 - a. The permit number for which termination is sought;
 - b. The basis for submission of the NOT;
 - c. The owner's and operator's name, address and telephone number;
 - d. The name of the project and address (or a description of location if no street address is available) of the construction site for which the notification is submitted;
 - e. A certification statement, signed and dated by the OSPC and by an authorized representative as defined in the signature requirements in Part VIII.I, and the name and title of that authorized representative; and
 - f. If the NOT is for only a portion of an ongoing construction project, a description of the portion of the site to which the NOT will apply and a plan showing the boundaries of this portion.

Part VI. Violation of Permit Requirements; Enforcement

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of 10 V.S.A. Chapter 47 and the federal Clean Water Act, and is grounds for an enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

Part VII. Appeals

1. Renewable Energy Projects – Right to Appeal to Public Service Board

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and

six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Telephone #802-828-2358).

2. All Other Projects – Right to Appeal to Environmental Court

Pursuant to 10 V.S.A. Chapter 220, if this decision relates to all other projects, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00 payable to the State of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For additional information, see the Vermont Rules for Environmental Court Proceedings, available online at www.vermontjudiciary.org or call (802) 951-1740. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303, Burlington, Vermont 05401.

Part VIII. Standard Permit Conditions

A. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

B. Limitations

1. This permit conveys no vested rights or exclusive privileges. The permit conveys no title to land nor authorizes any injury to public or private property. The permit does not authorize infringement of any applicable federal, state or local laws or regulations nor obviate the necessity of obtaining such additional permits as may be required.
2. Nothing in this permit shall be construed as having relieved, modified, or in any manner affected the permittee's ongoing obligation to comply with all other federal, state or local statutes, regulations or directives applicable to the permittee in the operation of its business, nor does it relieve the permittee of the obligation to obtain all necessary federal, state and local permits.

C. Prohibitions

1. This permit does not relieve any person of the federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 relating to spills or other releases of oils or hazardous substances. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill.
2. If a release in excess of reportable quantities occurs, the permittee must modify the EPSC Plan required under Part III within 7 calendar days of knowledge of the release to: provide a description of the release,

the circumstances leading to the release, and the date of the release. The EPSC Plan must identify measures to prevent the reoccurrence of such releases and to respond to such releases.

3. Discharges of any material other than stormwater, such as vehicle and equipment maintenance spills, fuels, wash water, construction debris, oil, wet concrete (including washout water from concrete batch trucks or equipment used to mix concrete), and other substances are prohibited.
4. Sediments and other pollutants collected and removed in the course of treatment of stormwater runoff shall be disposed in a manner that will not result in the sediments and pollutants entering waters of the State.

D. Right of Entry

The permittee shall allow the Secretary and his/her authorized representatives, at reasonable times, and upon presentation of credentials, to enter upon and inspect the property on which the construction activities are occurring and to sample any construction-related discharges and to have access to and copy any records required to be kept pursuant to this permit.

E. Historic Properties

Each permittee must comply with any applicable state and local laws concerning the protection of historic properties and places.

F. Retention of Records

Copies of the EPSC Plan, all amendments thereto, and all documentation required by this permit, including records of all data used to complete the NOI to be covered by this permit, must be retained for at least three years from the date that permit coverage expires or is terminated. This period may be extended by request of the Secretary at any time.

G. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

H. Duty to Mitigate

A permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

I. Signatory Requirements

1. All applications must be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purposes of this section, a responsible corporate officer means:
 - i. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation;
 - ii. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the

manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal or other public agency: by either a principal executive officer or a ranking elected official. For purposes of this section, a principal executive officer of a Federal Agency includes: the chief executive officer of the agency or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. All reports required by this permit, including but not limited to EPSC Plans, must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if the authorization is made in writing by a person described above. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position. The signed and dated written authorization must be included in the EPSC Plan. A copy must be submitted to DEC, if requested.
 3. Any person signing documents required under the terms of this permit must include the following certification:
“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

J. Duty to Reapply

If a discharge from the construction site is anticipated to continue after the expiration date of this permit, the permittee must reapply for coverage under a new permit sixty (60) days prior to the expiration date of this permit.

K. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of this permit.

L. Notice of Planned Changes

The permittee shall give notice to the Secretary as soon as possible of any planned physical alterations to the permitted facility.

M. Notice of Anticipated Noncompliance

The permittee shall give advance notice to the Secretary of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

N. Duty to Provide Information

The permittee shall furnish to the Secretary, within a reasonable time, any information which the Secretary may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine noncompliance with this permit. The permittee shall also furnish to the Secretary upon request, copies of records to be kept pursuant to this permit. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in a report to the Secretary, it shall promptly submit such facts or information.

O. Penalty for Permit Violation

10 V.S.A. Section 1275(a) provides that:

Any person who violations any provision of this subchapter or who fails, neglects or refuses to obey or comply with any order or the terms of any permit issued in accordance with this subchapter, shall be fined not more than \$25,000.00 or imprisoned not more than six months, or both. Each violation may be a separate offense and, in the case of a continuing violation, each day's continuance may be deemed a separate offense.

10 V.S.A. Section 8010(c) provides that:

A penalty of not more than \$42,500 may be assessed for each determination of a separate violation. In addition, if the secretary determines that a violation is continuing the secretary may assess a penalty of not more than \$17,000.00 for each day the violation continues. The maximum amount of penalty assessed under this subsection shall not exceed \$170,000.00.

P. Penalty for False Statement

10 V.S.A. Section 1275(b) provides that:

Any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained under this subchapter, or by any permit, rule, regulation or order issued under this subchapter, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this subchapter or by any permit, rule, regulation, or order issued under this subchapter, shall upon conviction, be punished by a fine of not more than \$10,000.00 or by imprisonment for not more than six months, or by both.

Q. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

R. Monitoring

Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

S. Twenty-four hour reporting

Unless provided otherwise by this permit, the permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

Part X. Effective Date of Permit and Permit Term

This permit shall become effective upon signing and shall expire five (5) years from the date of signing.

Signed this 22nd day of December, 2015

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By: _____
Padraic Monks
Stormwater Program Manager

BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix F

Operational Stormwater Discharge Permits Issued in 2015

- **Permit #3028—9010.1
Reconstruct, Mark, and Groove Runway 15-
33**

- **Permit #3028—9010.2
Taxiways 'B', 'C', 'J', and 'G' to Muddy
Brook**

**Permit #3028—9015.2
Construct Mark and Light Taxiway 'G-K'**

**Permit #3028—INDS.AR
Taxiways 'B', 'C', 'J', and 'G' to Potash
Brook**

**Permit #3845—9010
Heritage Flight Aviation**

**Permit #6845-9015.1
Heritage Aviation Parking Lot**

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BURLINGTON INTERNATIONAL AIRPORT

Permit #3028—9010.1
Reconstruct, Mark, and Groove Runway 15-
33

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VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9010

A determination has been made that the applicant:

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 14.80 acres

meets the criteria necessary for inclusion under General Permit 3-9010. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9010, the permittee is authorized to discharge stormwater from BTV Reconstruct, Mark & Groove Runway 15-33; AIP No. 3-50-0005-XX located at Burlington International Airport in South Burlington, Vermont to unnamed tributaries of the Winooski River, Muddy Brook, and to groundwater in the unnamed tributary to the Winooski River watershed and to groundwater in the Muddy Brook watershed as previously described in General Permit No. 3028-INDS.1:

Manner of Discharge:

S/N 001: Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then to catch basin and pipe, closed drainage system, discharging to an unnamed tributary of the Winooski River.

Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then overland to a dry swale (detention area #3), discharging to catch basin and pipe, closed drainage system to an unnamed tributary of the Winooski River.

S/N 002: Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then to catch basin and pipe, closed drainage system, discharging to an unnamed tributary of the Winooski River.

Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then overland to an underground detention system (detention area #1), then to catch basin and pipe, closed drainage system discharging to an unnamed tributary of the Winooski River.

Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas and via channel flow, to catch basin and pipe, closed drainage system, routed to an underground detention area (detention area #2), infiltrating to groundwater, and discharging to closed drainage system to an unnamed tributary of the Winooski River.

- S/N 003: Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then overland to a grass swale, routed to the Vermont Air National Guard closed drainage system, discharging to an unnamed tributary to the Winooski River.
- S/N 004: Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then overland to existing closed drainage infiltration system, discharging to groundwater in the Muddy Brook watershed.
- S/N 005: Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then overland to catch basin and pipe, closed drainage system, discharging to Muddy Brook.
- S/N 006: Stormwater runoff from taxiway and runway surfaces via disconnected sheet flow over vegetated areas, then overland and via channel flow to catch basin and pipe, closed drainage system, routed to an underground infiltration area (detention area #4), infiltrating to groundwater in the Muddy Brook watershed

Note: The Disconnection of Non-Rooftop Runoff Credit utilized to meet applicable stormwater treatment standards. In addition, the *Site Balancing Procedure for the Discharge of Stormwater Runoff from the Expansion or Redevelopment of Impervious Surfaces* was utilized to meet applicable stormwater treatment standards.

Compliance with General Permit 3-9010 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9010, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9010. A copy of General Permit 3-9010 is available from the Department via the internet at

http://www.vtwaterquality.org/stormwater/htm/sw_3-9010.htm

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9010, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9010 by the modified development or facility.

Annual Inspection and Report

The stormwater collection, treatment and control system shall be properly operated. The permittee shall submit an annual inspection report on the operation, maintenance and condition of the stormwater collection, treatment and control system. The inspection report shall be submitted regardless of whether the project has been constructed. The inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year and the inspection report shall be submitted to the Secretary by July 15th of each year, or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. The inspection report shall note all problem areas and all measures taken to correct any problems and to prevent future problems.

Restatement of Compliance

Every 3 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due July 15, 2018. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9010 and may result in the revocation of this authorization to discharge. Forms for completing this requirement are available on the Stormwater Management Program's website.

Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this authorization to discharge on the form provided by the Secretary, per §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Renewable Energy Projects – Right to Appeal to Public Service Board:

If this decision relates to a renewable energy plant for which a certificate of public good is required under 30 V.S.A. §248, any appeal of this decision must be filed with the Vermont Public Service Board pursuant to 10 V.S.A. §8506. This section does not apply to a facility that is subject to 10 V.S.A. §1004 (dams before the Federal Energy Regulatory Commission), 10 V.S.A. §1006 (certification of hydroelectric projects) or 10 V.S.A. Chapter 43 (dams). Any appeal under this section must be filed with the clerk of the Public Service Board within 30 days of the date of this decision. For further information, see the Public Service Board website at <http://psb.vermont.gov> or call (802) 828-2358. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701.

All Other Projects - Right to Appeal to the Environmental Court

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the

clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303 Burlington, Vermont 05401 (Tel. # 802-951-1740).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on August 13, 2015 and shall continue until August 13, 2025. The permittee shall reapply for coverage at least sixty (60) days prior to August 13, 2025.

Dated this 13th day of August, 2015.

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By 

Christy Witters, Environmental Analyst
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

Please mail this stamped/recorded/completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

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BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028—9010.2
Taxiways 'B', 'C', 'J', and 'G' to Muddy
Brook**

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VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9010

A determination has been made that the applicant:

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 18.03 acres

meets the criteria necessary for inclusion under General Permit 3-9010. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9010, the permittee is authorized to discharge stormwater from reconstructed Taxiways 'B' and 'C', and relocated Taxiway 'J' and newly constructed Taxiway 'G': AIP No. 3-50-0005-XX-2009, located at the Burlington International Airport, 1200 Airport Drive, in South Burlington, Vermont to Muddy Brook. This permit renews and replaces previously authorized permit 3028-INDS.A for the portion draining to Muddy Brook, S/N 001 only. (The remaining portion from 3028-INDS.A drains to Potash Brook is renewed under 3028-INDS.AR.)

Manner of Discharge:

S/N 001: Stormwater runoff from taxiway surfaces via sheet flow over designated vegetated disconnection areas, then via overland flow discharging to groundwater, to a catch basin and pipe closed drainage system, or via conveyance swale, discharging to Muddy Brook.

Stormwater runoff from taxiway surfaces via sheet flow for treatment in Grass Channel #1, with underdrain, routed to a catch basin and pipe closed drainage system, discharging to Muddy Brook.

Stormwater runoff from runway and taxiway surfaces via sheet flow for treatment in Grass Channel #2, with underdrain, routed to a catch basin and pipe closed drainage system, discharging to Muddy Brook.

Stormwater runoff from runway and taxiway surfaces via sheet flow for treatment in Grass Channel #3, with underdrain, routed to a catch basin and pipe closed drainage system, discharging to Muddy Brook.

Stormwater runoff from taxiway surfaces via sheet flow for treatment in Grass Channel #4, with underdrain, routed to a catch basin and pipe closed drainage system, discharging to Muddy Brook.

Note: The VT DEC Stormwater Program's Site Balancing Procedure for the Discharge of Stormwater Runoff from the Expansion or Redevelopment of Impervious Surfaces was utilized to meet applicable treatment standards in drainage area S/N 001, discharging to Muddy Brook. In addition, areas of impervious surface previously authorized under Discharge Permit #1-0839, drainage area S/N 003, were redeveloped, subject to the Agency's 2002 Stormwater Management Manual, and are now covered by this discharge permit.

Compliance with General Permit 3-9010 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9010, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9010. A copy of General Permit 3-9010 is available from the Department via the internet at http://www.vtwaterquality.org/stormwater/htm/sw_3-9010.htm

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9010, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9010 by the modified development or facility.

Annual Inspection and Report

The stormwater collection, treatment and control system shall be properly operated. The permittee shall submit an annual inspection report on the operation, maintenance and condition of the stormwater collection, treatment and control system. The inspection report shall be submitted regardless of whether the project has been constructed. The inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year and the inspection report shall be submitted to the Secretary by July 15th of each year, or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. The inspection report shall note all problem areas and all measures taken to correct any problems and to prevent future problems.

Restatement of Compliance

Every 5 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due July 15, 2020. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9010 and may result in the revocation of this authorization to discharge. Forms for completing this requirement are available on the Stormwater Management Program's website.

Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this authorization to discharge on the form provided by the Secretary, per §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Renewable Energy Projects – Right to Appeal to Public Service Board:

If this decision relates to a renewable energy plant for which a certificate of public good is required under 30 V.S.A. §248, any appeal of this decision must be filed with the Vermont Public Service Board pursuant to 10 V.S.A. §8506. This section does not apply to a facility that is subject to 10 V.S.A. §1004 (dams before the Federal Energy Regulatory Commission), 10 V.S.A. §1006 (certification of hydroelectric projects) or 10 V.S.A. Chapter 43 (dams). Any appeal under this section must be filed with the clerk of the Public Service Board within 30 days of the date of this decision. For further information, see the Public Service Board website at <http://psb.vermont.gov> or call (802) 828-2358. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701.

All Other Projects - Right to Appeal to the Environmental Court

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303 Burlington, Vermont 05401 (Tel. # 802-951-1740).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on November 5, 2015 and shall continue until November 5, 2025. The permittee shall reapply for coverage at least sixty (60) days prior to November 5, 2025.

Dated this 5th day of November, 2015.

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By _____
Padraic Monks, Stormwater Program Manager
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

Please mail this stamped/recorded/completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028—9015.2
Construct Mark and Light Taxiway 'G-K'**

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Permit Number 3028-9015.2
Project ID Number EJ96-0386

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9015

A determination has been made that the applicant:

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 0.68 acres

meets the criteria necessary for inclusion under General Permit 3- 9015. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9015, the permittee is authorized to discharge stormwater from Construct, Mark and Light Taxiway "G"/"K" (widening project), located on 1200 Airport Drive in South Burlington, Vermont to Muddy Brook.

Manner of Discharge:

S/N 001: Stormwater runoff from the widening of Taxiway 'G'/'K' is conveyed via sheet flow to a disconnection area before draining to a closed system discharging directly to Muddy Brook.

Note: This permit uses the Disconnection of Non-Rooftop Runoff credit to treat all of the proposed new impervious. It is discharging to Muddy Brook that has a greater than 10 square mile drainage area.

Design: This project shall be constructed and operated in accordance with the site plans and details designed by Stantec Consulting Services, Inc. (Sheet 1, "Complete Taxiway "G"/"K" Project", dated 7/11/14; Sheet C.015 "Layout Plan Sheet 1 of 2", dated 3/26/15; Sheet C.016 "Layout Plan Sheet 2 of 2", dated 3/26/15; Sheet C.020 "Grading Plan and Profile STA. 65+00-74+50", dated 3/26/15; Sheet C.021 "Grading Plan and Profile STA. 73+50-84+00", dated 3/26/15; Sheet C.035 "Typical Sections and Pavement Details", dated 3/26/15; Sheet C.040 "Civil Details", dated 3/26/15; Sheet C.020 "Grading Plan and Profile STA. 65+00-74+50", dated 3/26/15; and supporting information).

By reference, the above noted plans are made part of this authorization.

Compliance with General Permit 3-9015 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9015, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay

the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9015. A copy of General Permit 3-9015 is available from the Department via the internet at

http://www.anr.state.vt.us/dec/waterq/stormwater/docs/sw_3-9015-finalpermit.pdf

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9015, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9015 by the modified development or facility.

Annual Inspection and Report

The stormwater collection, treatment and control system shall be properly operated. The permittee shall submit an annual inspection report on the operation, maintenance and condition of the stormwater collection, treatment and control system. The inspection report shall be submitted regardless of whether the project has been constructed. The inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year and the inspection report shall be submitted to the Secretary by July 15th of each year, or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. The inspection report shall note all problem areas and all measures taken to correct any problems and to prevent future problems.

Restatement of Compliance

An initial statement of compliance, signed by a designer, must be submitted to the Stormwater Management Program no later than 6 months following completion of construction of the stormwater management system. Additionally, every 5 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due July 15, 2020. The restatement of compliance shall be submitted regardless of whether the project has been constructed. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9015 and may result in the revocation of this authorization to discharge. Forms for completing this requirement are available on the Stormwater Management Program's website.

Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this authorization to discharge on the form provided by the Secretary, per §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Renewable Energy Projects – Right to Appeal to Public Service Board:

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Tel. #802-828-2358).

All Other Projects – Right to Appeal to the Environmental Court


Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303 Burlington, Vermont 05401 (Tel. # 802-951-1740).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on May 27, 2015 and shall continue until May 27, 2025. The permittee shall reapply for coverage at least sixty (60) days prior to May 27, 2025.

Dated this 27th day of May, 2015.

David K. Mears, Commissioner
Department of Environmental Conservation

By 
Padraic Monks, Stormwater Program Manager
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

Please mail this stamped/recorded/completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028—INDS.AR
Taxiways 'B', 'C', 'J', and 'G' to Potash
Brook**

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STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STORMWATER DISCHARGE PERMIT

STORMWATER RUNOFF TO WATERS OF THE STATE

In compliance with provisions of 10 V.S.A. §1264, the Stormwater Management Rule for Stormwater-Impaired Waters and in accordance with "Terms and Conditions" hereinafter specified,

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 2.30 acres

the permittee, is hereby granted permission to discharge stormwater runoff from reconstructed Taxiways 'B' and 'C', and relocated Taxiway 'J' and newly constructed Taxiway 'G': AIP No. 3-50-0005-XX-2009, located at the Burlington International Airport, 1200 Airport Drive, in South Burlington, Vermont to a Class II wetland contiguous to Potash Brook. This permit renews and replaces previously authorized permit 3028-INDS.A for the portion draining to Potash Brook, S/N002 only. (The remaining impervious from 3028-INDS.A is renewed under 3028-9010.2.)

1. Expiration Date: Five years from issuance date of final permit. Note: This permit, unless revoked, modified or suspended, shall be valid until the designated expiration date notwithstanding any intervening change in water quality, effluent, or treatment standards, or classification of the receiving waters including groundwater. However, any such changed standard or classification, and any applicable requirement in a total maximum daily load (TMDL) for Potash Brook, shall be applied in determining whether or not to renew this permit, and in determining the conditions of a renewed permit.

The permittee shall reapply for a renewed discharge permit ninety days prior to the expiration date of this permit.

2. Revocation: 10 V.S.A. §1267 provides as follows:

The Secretary may, after notice and opportunity for a public hearing, revoke, modify or suspend this permit if it is found that the permittee submitted false or inaccurate information in its application or has violated any requirement, restrictions, or condition of this permit, or if there is any change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge. The Secretary shall impose conditions as the Secretary deems necessary for regulating the discharges of a permittee whose permit has been revoked, modified or suspended. Revocation shall be effective upon actual notice thereof to the permittee.

3. Operating Fees: This discharge is subject to operating fees under 3 V.S.A. §2822. The permittee shall submit the operating fees to the Agency in accordance with procedures provided by the Secretary.

4. Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this permit on the form provided by the Secretary, per §22-312 of the Stormwater Management Rule for Stormwater-Impaired Waters. A copy of this form is available on the Stormwater Management Program website. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.
5. Transfer of Permit: This permit is not transferable without prior written approval of the Secretary. Provided all applicable fees under 3 V.S.A. §2822 have been paid, a permittee may submit a notice of transfer to the Stormwater Management Program. The notice shall be submitted at least five (5) days prior to the proposed date of transfer. The notice shall state that the prospective permittee has adequate funding to comply with this permit. The permittee shall provide a copy of this permit to the new owner or tenant and inform him of the responsibility to make application for a permit which shall be issued in his name. Any failure to do so shall be considered a violation of this permit.
6. Right of Entry: The permittee shall allow the Secretary, or his or her authorized representatives, at reasonable times, upon presentation of credentials, to enter upon and inspect the permitted premises, and the stormwater collection, treatment and control system; and to sample any discharge to determine compliance with this permit; and to have access to and inspect and copy any records required to be kept pursuant to this permit.
7. Receiving Waters: Class II Wetland contiguous to Potash Brook
8. Manner of Discharge:
S/N 002: Stormwater runoff from taxiway surfaces via sheet flow over designated vegetated disconnection areas, then overland flow discharging to a catch basin and pipe closed drainage system, discharging to a Class II wetland contiguous to Potash Brook.
9. Wastes Permitted: Stormwater runoff from S/N 002 of the above named project after treatment from the Disconnection of Non-Rooftop Runoff Credit.
10. Volumes Permitted and Frequency of Discharge: Such volumes and frequency as required by the discharge specified in #8 above.
11. Approved Project Design: This project shall be constructed and operated in accordance with the following site plans and details prepared by Stantec and by Campbell & Paris Engineers, and supporting information:
 - Stantec*
 - Drawing No. 1, "Stormwater Management Plan," dated 5/28/2009;
 - Drawing No. 16, "Grading and Drainage Plan, Sheet 1 of 2," dated 5/28/2009;
 - Drawing No. 17, "Grading and Drainage Plan, Sheet 2 of 2," dated 5/28/2009;
 - Drawing No. 19, "Drainage Details," dated 5/28/2009;
 - Drawing No. 21, "Typical Sections," dated 5/28/2009;
 - Drawing No. 22, "Typical Sections and Pavement Details," dated 5/28/2009.

Campbell & Paris Engineers

Sheets SW2 and SW3, "Stormwater Management Plan," dated 3/25/2009, and last revised 02/2010;

Sheets SW4 through SW7, "Stormwater Management Plan," dated 3/25/2009;

Sheets 20 and 21, "Schedule 1 Grading & Drainage Plan," dated 5/14/2009;

Sheet 22, "Schedule 2 Grading & Drainage Plan," dated 5/14/2009;

Sheet 36, "Pavement and Typical Sections & Misc. Details," dated 5/14/2009;

Sheet 20A, "Schedule IV Grading & Drainage Plan," dated 5/14/2009, and last revised 5/2009.

By reference, the above noted plans are made a part of this permit.

12. Inspection and Maintenance Reporting Requirements:

- a. The basins, grass channels, and related stormwater collection, treatment and control system shall be maintained in good operating condition at all times and **shall be inspected annually and cleaned as necessary to maintain design specifications. The inspections shall be conducted between the conclusion of spring snow melt and June 15th of each year.**
- b. Any sediment removed from the basins, grass channels, and related stormwater collection, treatment and control system shall be disposed of properly in accordance with state and federal statutes and regulations.
- c. **By July 15 of each year the permittee shall submit an annual inspection report to the Secretary; or by July 30 of each year if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. Annual Inspection Reports shall be submitted to:**

Department of Environmental Conservation
Watershed Management Division
Stormwater Program
1 National Life Drive, Main 2
Montpelier, Vermont 05620-3522

Or by email to anr.wsmdstormwatergeneral@state.vt.us

This report shall include, at a minimum items c.i. through c.vii. below. The permittee(s) may utilize the Annual Inspection Report form available from the Stormwater Program if determined by inspector to be sufficient to fully document inspection and maintenance of the authorized system.

- i. Unless previously submitted by the permittee(s) under a previously issued authorization or discharge permit, the first report shall include an inspection and designer's certification that the project was built in compliance with the Approved Project Design per #11 above;
- ii. A description of any vegetated areas that require mowing or other maintenance;
- iii. A description of any catch basins that require maintenance or sediment removed from sumps;

- iv. A description of any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc.) and corrective action/preventative measures taken if applicable;
 - v. A description of any re-routing of stormwater to avoid the system;
 - vi. A description of any erosion noted during inspection (i.e. areas of exposed soil in channels, outlets, or on pond berms);
 - vii. A description of any cleaning, maintenance operations, or repairs needed to maintain design specifications, including a schedule for correction of any identified deficiencies;
- d. Should any erosion problems occur, the permittee is required to immediately correct any such problems.
 - e. Any basins, grass channels, or related stormwater devices used during construction for erosion control shall be inspected and cleaned to design specifications immediately after construction has been completed.
13. Description of Required Offset (on-site): In order to meet the statutory standard for new discharges set forth in 10 V.S.A. §1264 and the Stormwater Management Rule for Stormwater-Impaired Waters, the permittee has demonstrated that the project will not increase the pollutant load over existing conditions. This has been accomplished by treating runoff from existing impervious surfaces within the Potash Brook watershed project limits. The project achieves a net reduction in sediment loading to Potash Brook of 3,466 pounds per year.
14. Secretary's Determination: The Secretary has determined that this project meets the requirements of the Agency's 2002 Stormwater Management Manual and does not increase the sediment or hydrologic load of the receiving stormwater-impaired waters. The Secretary has determined that the proposed discharge will not reduce the quality of the receiving waters below the classification established for them.
15. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #12 above.
16. Monitoring and Reporting Requirement: No monitoring required; reporting requirement as specified in #12 above.
17. Other Requirements:
- a. Treated stormwater runoff is the only waste authorized for disposal under the terms and conditions of this permit. The discharge of any hazardous materials or hazardous waste into the stormwater management system is prohibited.
 - b. The issuance of this permit does not relieve the permittee from the responsibility to obtain any other local, state or federal permits required by law.
18. Compliance with Anti-degradation and Water Quality Standards: The Secretary has determined that the permitted discharges satisfy Vermont's Anti-degradation Policy provided in Section 1-

03 of the Vermont Water Quality Standards and the Department of Environmental Conservation's Interim Anti-degradation Implementation Procedure because the applicant has demonstrated how the proposed development will implement practices and offset projects as necessary to ensure water quality is maintained in receiving waters. In particular, the applicant has demonstrated how the proposed development will implement appropriate best management practices (BMPs) designed in accordance with the requirements of the Vermont Stormwater Management Manual, Volume I and as necessary offset projects in accordance with Chapter 22: Stormwater Management Rule for Stormwater-Impaired Waters. These BMPs and offset projects where necessary will manage and mitigate the proposed stormwater discharge from the project such that no lowering of water quality is expected to occur in the receiving waters.

19. Renewable Energy Projects – Right to Appeal to Public Service Board:

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Tel. #802-828-2358).

All Other Projects – Right to Appeal to Environmental Court:

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available online at www.vermontjudiciary.org or call (802) 951-1740. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303 Burlington, Vermont 05401.

20. Dated this 4th day of December, 2015

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By _____
Padraic Monks, Program Manager
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

Please mail this stamped/recorded/completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

BURLINGTON INTERNATIONAL AIRPORT

**Permit #3845—9010
Heritage Flight Aviation**

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Permit Number 3845-9010
Project ID Number EJ96-0386

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9010

A determination has been made that the applicant:

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 2.03 acres

meets the criteria necessary for inclusion under General Permit 3-9010. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9010, the permittee is authorized to discharge stormwater from Heritage Flight Aviation Campus Expansion project located at Burlington International Airport in South Burlington, Vermont to class 2 wetland contiguous with Muddy Brook as previously described in General Permit No. 3845-INDS.A:

Manner of Discharge:

- S/N 001: Runoff from roadways and rooftops is conveyed by a closed collection system to a 36" reinforced concrete pipe which conveys the flow to the wetland contiguous with Muddy Brook.
- S/N 002: Runoff from rooftop areas, including a green roof on Heritage Flight Hangar, is collected in a closed system and conveyed to a bioretention/detention basin for treatment and attenuation of peak flows. Stormwater is discharged from the basin into a stone-lined swale that runs along Eagle Drive. The stone lined swale conveys the runoff to POI #2. From POI #2, the runoff is conveyed underneath Eagle Drive to S/N 002 via an existing 24" pipe culvert.

The *Stormwater Site Balancing Procedure* was utilized to meet applicable treatment standards for this drainage area as follows: Runoff from additional existing impervious areas are provided treatment and detention to balance new impervious areas that discharge to S/N 001 and S/N 002 without treatment and detention.

Compliance with General Permit 3-9010 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9010, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay

the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9010. A copy of General Permit 3-9010 is available from the Department via the internet at

http://www.vtwaterquality.org/stormwater/htm/sw_3-9010.htm

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9010, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9010 by the modified development or facility.

Annual Inspection and Report

The stormwater collection, treatment and control system shall be properly operated. The permittee shall submit an annual inspection report on the operation, maintenance and condition of the stormwater collection, treatment and control system. The inspection report shall be submitted regardless of whether the project has been constructed. The inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year and the inspection report shall be submitted to the Secretary by July 15th of each year, or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. The inspection report shall note all problem areas and all measures taken to correct any problems and to prevent future problems.

Restatement of Compliance

Every 3 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due July 15, 2018. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9010 and may result in the revocation of this authorization to discharge. Forms for completing this requirement are available on the Stormwater Management Program's website.

Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this authorization to discharge on the form provided by the Secretary, per §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Renewable Energy Projects – Right to Appeal to Public Service Board:

If this decision relates to a renewable energy plant for which a certificate of public good is required under 30 V.S.A. §248, any appeal of this decision must be filed with the Vermont Public Service Board pursuant to 10 V.S.A. §8506. This section does not apply to a facility that is subject to 10 V.S.A. §1004 (dams before the Federal Energy

Regulatory Commission), 10 V.S.A. §1006 (certification of hydroelectric projects) or 10 V.S.A. Chapter 43 (dams). Any appeal under this section must be filed with the clerk of the Public Service Board within 30 days of the date of this decision. For further information, see the Public Service Board website at <http://psb.vermont.gov> or call (802) 828-2358. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701.

All Other Projects - Right to Appeal to the Environmental Court

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303 Burlington, Vermont 05401 (Tel. # 802-951-1740).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on August 13, 2015 and shall continue until August 13, 2025. The permittee shall reapply for coverage at least sixty (60) days prior to August 13, 2025.

Dated this 13th day of August, 2015.

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By 

Christy Witters, Environmental Analyst
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

Please mail this stamped/recorded/completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

BURLINGTON INTERNATIONAL AIRPORT

**Permit #6845-9015.1
Heritage Aviation Parking Lot**

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Permit Number 3845-9015.1
Project ID Number EJ96-0386

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9015

A determination has been made that the applicant:

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 1.18 acres

meets the criteria necessary for inclusion under General Permit 3- 9015. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9015, the permittee is authorized to discharge stormwater from the Heritage Aviation Parking Lot located at 228 Aviation Ave, South Burlington, Vermont to a Wetland contiguous to Muddy Brook.

Manner of Discharge:

S/N 001: Runoff originates from the impervious parking lot and sheet flows south across the lot and into a pretreatment area. Runoff then flows into two infiltration basins sized to detain the 10-year storm. The runoff is then infiltrated into the ground water over a 24-hour period. Runoff from events greater than the 10 year storm will pass through emergency spillways into existing ditches along the road then into a 36" culvert under Eagle Drive.

Design: This project shall be constructed and operated in accordance with the site plans and details designed by Stantec, Inc. (Sheet "Existing Conditions," dated 5/8/2015; Sheet "Site Details," dated 5/8/2015; Sheet "Predevelopment Sub-watershed Delineations," dated 5/8/2015; Sheet C-103, "Construction Plan," dated 5/8/2015, revised 7/30/2015; Sheet C-104 "Post-development Sub-watershed Delineations," dated 5/8/2015; Sheet C-105, "Proposed Conditions," dated 5/8/2015, revised 7/30/2015; and all supporting information).

By reference, the above noted plans are made part of this authorization.

Compliance with General Permit 3-9015 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9015, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9015. A copy of General Permit 3-9015 is available from the Department via the internet at

http://www.anr.state.vt.us/dec/waterq/stormwater/docs/sw_3-9015-finalpermit.pdf

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9015, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9015 by the modified development or facility.

Annual Inspection and Report

The stormwater collection, treatment and control system shall be properly operated. The permittee shall submit an annual inspection report on the operation, maintenance and condition of the stormwater collection, treatment and control system. The inspection report shall be submitted regardless of whether the project has been constructed. The inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year and the inspection report shall be submitted to the Secretary by July 15th of each year, or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. The inspection report shall note all problem areas and all measures taken to correct any problems and to prevent future problems.

Restatement of Compliance

An initial statement of compliance, signed by a designer, must be submitted to the Stormwater Management Program no later than 6 months following completion of construction of the stormwater management system. Additionally, every 3 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due July 15, 2018. The restatement of compliance shall be submitted regardless of whether the project has been constructed. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9015 and may result in the revocation of this authorization to discharge. Forms for completing this requirement are available on the Stormwater Management Program's website.

Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this authorization to discharge on the form provided by the Secretary, per §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Renewable Energy Projects – Right to Appeal to Public Service Board:

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2),

and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Tel. #802-828-2358).

All Other Projects – Right to Appeal to the Environmental Court

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 32 Cherry Street, 2nd Floor Suite 303 Burlington, Vermont 05401 (Tel. # 802-951-1740).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on August 25, 2015 and shall continue until August 25, 2025. The permittee shall reapply for coverage at least sixty (60) days prior to August 25, 2025.

Dated this 25th day of August, 2015.

Alyssa Schuren, Commissioner
Department of Environmental Conservation

By _____
Padraic Monks, Stormwater Program Manager
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

Please mail this stamped/recorded/completed form to:

**DEC – Watershed Management Division
Stormwater Management Program
1 National Life Drive, Main 2
Montpelier, VT 05620-3522**

Or email to: anr.wsmdstormwatergeneral@state.vt.us

BURLINGTON INTERNATIONAL AIRPORT

Annual Report for General Permit 3-9014 (MS-4) and Annual Reports for Operational Stormwater Discharge Permits

April 1, 2016

Appendix G

Previously Issued Operational Stormwater Discharge Permits

- **Permit No. 3028-9010.A (BTV's Master Permit)**
- **Permit No. 1-1391 (South Apron Expansion)**
- **Permit No. 1-0839 (Redirect Airfield Drainage to North Outfall)**
 - **Permit No. 3028-9015.1 (Quarry Area Access Road)**
 - **Permit No. 3028-INDS.3 (Sewage Receiving Station)**

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BURLINGTON INTERNATIONAL AIRPORT

Permit No. 3028-9010.A (BTV's Master Permit)

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VERMONT

RECEIVED

Vermont Department of Environmental Conservation
Water Quality Division
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

Agency of Natural Resources

JAN 04 2010

STANTEC
SOUTH BURLINGTON, VT

[phone] 802-241-3770
[fax] 802-241-3287

December 22, 2009

City of Burlington-Burlington International Airport
Attn: Heather Kendrew
1200 Airport Drive #1
South Burlington, VT 05403

Re: Authorization to Discharge Permit No. 3028-9010.A

Dear Ms. Kendrew:

Enclosed is your copy of an Amended Authorization to Discharge pursuant to General Permit 3-9010 Amended (May 2007), which has been signed by the Stormwater Program Manager of the Stormwater Management Section on behalf of the Commissioner of the Department of Environmental Conservation.

This authorizes the discharge of treated stormwater runoff from:

- the Burlington International Airport (BTV) north runway;
- the north end terminal expansion and concrete apron;
- parking lots, roofs and roads associated with expanded BTV parking facilities;
- the Pratt & Whitney Building;
- the Building 880 replacement;
- the South End Development Phase 2 Project; and
- the Quarry Overflow Parking Area.

The properties are located on Airport Drive, Army Guard Road, Eagle Drive and Aviation Avenue in South Burlington, Vermont and will discharge to an unnamed tributary of the Winooski River, groundwater in the Winooski River watershed, a wetland tributary to Muddy Brook, and groundwater in the Muddy Brook watershed.

Please read this authorization to discharge carefully and note the inspection and reporting requirements, and other operating conditions including payment of annual operating fees.

If you have any questions, please call me at (802) 241-1452.

Sincerely,

Vicki L. Hill, Environmental Technician
Stormwater Management Section

Enclosures

cc: Gregory Goyette, Stantec Consulting Services
Peter Keibel, Act 250 District Coordinator, Essex Junction

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AMENDED AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9010 AMENDED (MAY 2007)

A determination has been made that the applicant:

City of Burlington -Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403
(Impervious area: 63.815 acres)

meets the criteria necessary for inclusion under General Permit 3-9010 Amended (May 2007). Here after the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9010 Amended (May 2007), the permittee is authorized to discharge stormwater from the Burlington International Airport (BTV) facilities in South Burlington, Vermont as follows: (1) the BTV north runway to an unnamed tributary of the Winooski River previously described in General Permit Authorization 3028-9010 and Individual Permit No. 1-0839 discharge point 1 (S/N 001); (2) the north end terminal expansion and concrete apron to an unnamed tributary of the Winooski River and groundwater in the Winooski River watershed previously described in General Permit Authorization 3972-9015 (S/N 002); (3) parking lots, roofs and roads associated with expanded BTV parking facilities to an unnamed tributary of the Winooski River and groundwater in the Winooski River watershed previously described in General Permit Authorization 3028-9010 and Individual Permit No. 1-1580 (S/N 003-4); (4) the Pratt & Whitney Building located at 15 Eagle Drive to a wetland contiguous with Muddy Brook previously described in Individual Permit No. 1-1270 (S/N 005-6); (5) the Building 880 replacement located on Aviation Avenue to a wetland contiguous with Muddy Brook previously described in General Permit Authorization 3845-9015 (S/N 007); (6) the South End development Phase 2 project to a wetland contiguous with Muddy Brook previously described in General Permit Authorization 4026-9015 (S/N 008); and (7) the Quarry Overflow Parking Area to groundwater in the Muddy Brook watershed previously described in General Permit Authorization 3028-9015 (S/N 009).

Manner of Discharge:

S/N 001: Stormwater runoff from the airport runway via a network of catch basins and storm drains including grass-lined swales, a trench drain on the terminal apron, several dry wells and perforated storm drain pipe, then through a rip-rapped outlet, prior to discharge to an unnamed tributary of the Winooski River.

S/N 002: Stormwater runoff from the north end of the airport terminal and concrete apron via a closed system to a Vortechs/StormTech treatment system that discharges to groundwater, with overflow to an unnamed tributary to the

Winooski River. During periods of plane de-icing stormwater runoff will be diverted to a pump station and disposed of in an underground infiltration system

Note: infiltrated discharges are covered under the VTDEC Underground Injection Control Program.

S/N 003: Stormwater runoff from impervious surfaces associated with the deck of the new garage, rental car lot, long-term lot, loop road extension, garage exit ramps, and rental lot, via area drains, catch basins, grass swale and closed system to an unnamed tributary to the Winooski River.

S/N 004: Stormwater runoff from impervious surfaces associated with the employee and long-term parking lots (Catchment #2) via catch basins to a closed system to an exfiltrating sand filter to groundwater in the Winooski River watershed.

S/N 005: Stormwater runoff from the Pratt & Whitney building and parking area via grassed swales to a collection system, then discharging to a wetland tributary to Muddy Brook.

S/N006: Stormwater runoff from the Pratt & Whitney access road via overland flow then discharging to a wetland tributary to Muddy Brook.

S/N007: Stormwater runoff from the BTV Building 880 replacement project eastern rooftop and paved parking areas via closed piping system, and from western rooftop and paved parking areas via grass channel to a closed piping system, discharging to a wetland tributary to Muddy Brook

S/N008: Stormwater runoff from paved parking areas and rooftops via sheet flow to grassed channels and pipes conveyed to an infiltration basin and Vortech underground storage vault, then discharging to a wetland tributary to Muddy Brook. Note: infiltrated discharges are covered under the VTDEC Underground Injection Control Program.

S/N009: Stormwater runoff from the expanded portion of the south end quarry (0.105 acres of new impervious) via overland sheet flow to vegetated areas for treatment in accordance with the Disconnection of Non-rooftop Runoff Credit and then conveyed via a grass channel to the existing quarry discharging to groundwater in the Muddy Brook watershed.

Compliance with General Permit 3-9010 Amended (May 2007) and this Authorization
The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9010 Amended (May 2007), including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9010 Amended (May 2007). A copy of General Permit 3-9010 Amended (May 2007) is available from the Department via the internet at http://www.vtwaterquality.org/stormwater/htm/sw_3-9010.htm

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9010 Amended (May 2007), the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9010 Amended (May 2007) by the modified development or facility.

Annual Inspection and Report

The stormwater collection, treatment and control system authorized herein shall be properly operated and maintained. An inspection shall be conducted between the conclusion of spring snow melt and June 15th of each year. The inspection shall evaluate the operation and maintenance and condition of the stormwater collection, treatment and control system. The permittee shall prepare an annual inspection report on a form available from the Department. The permittee shall submit an inspection report to the Department by July 15th of each year or by July 30th if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance.

Restatement of Compliance

Every 3 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due December 22, 2012. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9010 Amended (May 2007) and may result in the revocation of this authorization to discharge.

Filing of this Authorization with Local Land Records

In accordance with Part VI.N. of General Permit 3-9010 Amended (May 2007), the permittee shall file a copy of this authorization to discharge in the land records within seven (7) days of its issuance and a copy of the recording shall be provided to the Department within fourteen (14) days of the permittee's receipt of a copy of the recording from the local land records.

Rights to Appeal to the Environmental Court

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also

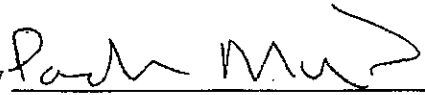
serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. # 802-828-1660).

Effective Date and Expiration Date of this Authorization

This amended authorization to discharge shall become effective on December 22, 2009 and shall continue until December 22, 2019. The permittee shall reapply for coverage at least sixty (60) days prior to December 22, 2019.

Dated at Waterbury, VT this 22nd day of December, 2009.

Justin G. Johnson, Commissioner
Department of Environmental Conservation

By 

Padraic Monks
Stormwater Program Manager

BURLINGTON INTERNATIONAL AIRPORT

Permit No. 1-1391 (South Apron Expansion)

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File No. 04-04
Permit No. 1-1391
PIN No. EJ96-0386

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DISCHARGE PERMIT
STORMWATER RUNOFF INTO DRAINAGE WELLS

In compliance with provisions of 10 V.S.A. 1263

Burlington International Airport
1200 Airport Drive #1
South Burlington, VT 05403

and in accordance with "Terms and Conditions" hereinafter specified, the above named permittee is hereby granted permission to discharge stormwater runoff from the taxiways and ramp from the Burlington International Airport 'South Apron Expansion', South Burlington, VT to groundwater via a stormwater drainage well.

1. Expiration Date: September 30, 2004. Note: This permit, unless revoked, shall be valid until the designated expiration date despite any intervening change in water quality, effluent, or treatment standards of the classification of the receiving waters, including groundwater. However, any such changed standard or classification shall be applied in determining whether or not to renew the permit pursuant to 10 V.S.A. 1263.

Re-apply for a discharge permit by March 31, 2004.

2. Revocation: 10 V.S.A. 1267 provides as follows:

"The Secretary may revoke any permit issued by him pursuant to this subchapter if he finds that the permit holder submitted false or inaccurate information in his application or has violated any requirement, restriction, or condition of the permit issued. Revocation shall be effective upon actual notice thereof to the permit holder."

3. Transfer of Permit: This permit is not transferable without prior written approval of the Secretary. The permittee shall notify the Secretary immediately, in writing, of any sale, lease, or other transfer of ownership of the property from which the discharge originates. The permittee shall provide a copy of this permit to the new owner or tenant and shall inform the new owner or tenant of his responsibility to make application for a permit which shall be issued in his name. Any failure to do so shall be considered a violation of this permit.
4. Right of Entry : The permittee shall allow the Secretary or their authorized representative, upon presentation of credentials, to enter the permittee's premises where the effluent sources authorized by this permit are located and at reasonable times to have access to copy any records required to be kept under the terms and conditions of this permit, and to inspect any treatment device, monitoring equipment, or monitoring method required in this permit, and to sample any discharge of pollutants.

5. Receiving Waters: Groundwater.
6. Manner of Discharge:
S/N 001 (infiltration basin trench): Stormwater from the South Apron expansion (ramp and taxiways) collected in catch basins and piped to a 'Vortechs' treatment unit, then discharging to an infiltration trench system which in turn infiltrates into the groundwater.
7. Wastes Permitted:
Stormwater runoff from the taxiways and ramp after treatment via 'Vortechs' treatment unit.
8. Volumes Permitted and Frequency of Discharge: Such volumes and frequency as required by the discharges specified in No. 6 above
9. Approved Project Design: Treatment as specified in No.7 above. The project shall be constructed and operated in accordance with the Edwards and Kelcey, Inc plans specified below, and supporting information:

Sheet 13, 18, and 19 of 34, dated 8/18/99

By reference the above noted plans are made a part of this permit.

10. Maintenance and Maintenance Reporting Requirements:
 - a. The permittee shall inspect the Vortechs unit and measure the accumulated sediment volume in the aluminum grit chamber quarterly.
 - b. The permittee shall remove the accumulated sediment and clean the Vortechs unit when the sediment depth has accumulated to within 6 inches of the dry-weather water level.
 - i. The permittee shall strictly follow the maintenance procedures prescribed by the manufacturer when removing sediment.
 - c. Any sediment removed from the swales, or sedimentation basin shall be disposed of properly and not within 100 feet of Waters of the State.
 - d. By **SEPTEMBER 30 OF EACH YEAR** a written report shall be submitted to the Department of Environmental Conservation, 103 South Main Street, Waterbury, VT 05671-0405. This report shall include, as a minimum:
 - i. the dates of inspection and sediment depth measurements for the year.
 - ii. the dates of sediment removal and an estimate of the volume removed.
 - f. Any stormwater devices used during construction for erosion control shall be inspected and cleaned to design specifications immediately after construction has been completed.
11. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #10 above.

12. Monitoring and Reporting Requirement:

a. *By no later than September 30, 2001*, the permittee shall submit a study to the Department documenting the efficiency of the 'Vortechs' unit. This study shall investigate the removal efficiency of the 'Vortechs' unit for total suspended solids (TSS) and total petroleum hydrocarbons (TPH) and shall include the following:

i. a minimum of six storm events shall be sampled.

ii. the study shall follow the same protocol as used in the Delorme Publishing Company, Yarmouth, ME. field study.

iii. sediment depth, system maintenance activities, etc. shall also be noted in the report and considered.

iv. the study shall be conducted by an independent entity other than the manufacturer of the treatment unit.

b. Other reporting required as specified in #10 above.

13. Other Requirements:

a. Treated stormwater runoff is the only waste authorized for disposal under the terms and conditions of this permit. The discharge for any hazardous materials or hazardous waste into the stormwater management system is prohibited.

b. The permittee shall contact the Agency of Natural Resources, Wastewater Management Division, within 24 hours or the next business day if a spill occurs and materials enter the stormwater collection system.

14. Issue Date of Permit:

December 9, 1999

AGENCY OF NATURAL RESOURCES
Canute E. Dalmasse, Commissioner
Department of Environmental Conservation

By

Marilyn J. Davis
Marilyn J. Davis, Director
Wastewater Management Division

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BURLINGTON INTERNATIONAL AIRPORT

Permit No. 1-0839 (Redirect Airfield Drainage to North Outfall)

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STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Page 1 of 3

DISCHARGE PERMIT

File No. 04-14-052

Permit No. 1-0839

In compliance with provisions of 10 V.S.A. 1263

Burlington International Airport
Box 1 - Airport Drive
Burlington, Vermont 05401

and in accordance with "Terms and Conditions" hereinafter specified, the above named permittee is hereby granted permission to discharge stormwater runoff from the Burlington International Airport to an unnamed tributary of the Winooski River and an unnamed tributary of Potash Brook.

1. Expiration Date: March 31, 1995. Note: This permit, unless revoked, shall be valid until the designated expiration date despite any intervening change in water quality, effluent, or treatment standards or the classification of the receiving waters. However, any such changed standard or classification shall be applied in determining whether or not to renew the permit pursuant to 10 V.S.A. 1263.

Reapply for a discharge permit by September 30, 1994.

2. Revocation: 10 V.S.A. 1267 provides as follows:

"The Secretary may revoke any permit issued by him pursuant to this subchapter if he finds that the permit holder submitted false or inaccurate information in his application or has violated any requirement, restriction, or condition of the permit issued. Revocation shall be effective upon actual notice thereof to the permit holder."

3. Transfer of Permit: This permit is not transferable without prior written approval of the Secretary. The permittee shall notify the Secretary immediately, in writing, of any sale, lease, or other transfer of ownership of the property from which the discharge originates. The permittee shall also inform the new owner or tenant of his responsibility to make application for a permit which shall be issued in his name. Any failure to do so shall be considered a violation of this permit.

4. Receiving Waters:

- S/N 001 - Unnamed tributary of the Winooski River.
- S/N 002 - Unnamed tributary of Potash Brook.
- S/N 003 - Unnamed tributary of Potash Brook.

5. Manner of Discharge:

S/N 001 - Via a network of catch basins and storm drains, through a rip-rapped outlet, prior to discharge to an unnamed tributary of the Winooski River. The drainage network includes grass-lined swales, a trench drain on the terminal apron, some leaching catch basins, an oil/water separator, and a section of perforated storm drain pipe.

S/N 002 - Via overland flow across vegetated terrain to a network of catch basins, through perforated storm drains, including a series of lateral exfiltrating underdrains, to a rip-rapped outlet, prior to discharge to an unnamed wetland, which discharges to a tributary of Potash Brook.

S/N 003 - Via overland flow across vegetated terrain to a network of catch basins, through perforated storm drains to a rip-rapped outlet, prior to discharge to an unnamed tributary of Potash Brook.

6. Wastes Permitted:

S/N 001 - Stormwater runoff from roofs, the airport terminal apron, paved runways, taxiways, roads and parking areas, following treatment by overland flow across vegetated terrain, in grass-lined drainage swales, and in an oil/water separator.

S/N 002 - Stormwater runoff from the southern section of taxiway A, following treatment by overland flow across vegetated terrain.

S/N 003 - Stormwater runoff from taxiway G3, following treatment by overland flow across vegetated terrain.

Note: Discharge point S/N 001 incorporates stormwater discharges from areas previously permitted by Amended Temporary Pollution Permit #2-0188.

7. Volumes Permitted: Such volumes as required by the discharge specified in #5 above.

8. Frequency of Discharge: Daily

9. Operation and Treatment: Treatment as specified in #6 above. For details on the treatment and conveyance of stormwater runoff for this project see the following plans and details:
- Hoyle, Tanner and Associates (1983)
 - Wiemann-Lamphere, Architects (September 1985)
 - Hoyle, Tanner and Associates (August 1986)
 - Hoyle, Tanner and Associates (February 1989)
 - Hoyle, Tanner and Associates (January and March 1990)
10. Maintenance and Maintenance Reporting Requirements: All catch basins, grass-lined swales, sedimentation ponds, and other treatment and conveyance devices shall be maintained in good operating order at all times and shall be inspected at least quarterly and cleaned at such times as necessary to maintain design performance levels. NO LATER THAN JANUARY 31 OF EACH YEAR A WRITTEN REPORT SHALL BE SUBMITTED TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NPDES PERMIT SECTION, 103 SOUTH MAIN STREET, WATERBURY, VERMONT 05676, PROVIDING THE DATES AND NATURE OF CLEANING OPERATIONS CARRIED OUT IN THE PRECEDING YEAR.
11. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #10 above.
12. Monitoring and Reporting Requirements: No monitoring required; reporting requirement as specified in #10 above.
13. Miscellaneous Requirements: Not applicable
14. Issue Date of Permit: 11 Jun 1990

Timothy J. Burke, Commissioner
Department of Environmental Conservation

By Gary Schultz
Gary Schultz, Director
Permits, Compliance & Protection

Todd Steinbach
Prepared and Reviewed by

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BURLINGTON INTERNATIONAL AIRPORT

Permit No. 3028-9015.1 (Quarry Area Access Road)

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Vermont Department of Environmental Conservation
Watershed Management Division
Main Building, Second Floor
One National Life Drive
Montpelier, VT 05620-3522

Agency of Natural Resources

(phone) 802-828-1535
(fax) 802 828-1544

November 20, 2012

City of Burlington-Burlington International Airport
c/o Heather Kendrew
1200 Airport Drive, #1
South Burlington, VT 05403

Re: Authorization to Discharge Permit No. 3028-9015.1
Quarry Area Access Road

D. Campbell
RECEIVED
NOV 26 2012
STANTEC
SOUTH BURLINGTON, VT

Dear Ms. Kendrew:

Enclosed is your copy of an Authorization to Discharge pursuant to General Permit 3-9015, which has been signed by the Stormwater Program Manager of the Stormwater Management Section on behalf of the Commissioner of the Department of Environmental Conservation. This authorizes the discharge of treated stormwater runoff from impervious surfaces associated with your project.

Please read this authorization to discharge carefully and note the inspection and reporting requirements, and other operating conditions including payment of annual operating fees.

In addition, per the authorization, the permittee shall record a one page notice of issuance of this authorization in the local land records within fourteen (14) days of issuance of this authorization on the form provided. The permittee shall then provide a copy of the recording to the Stormwater Management Program, by submitting a copy of the recording from the local land records to this office within fourteen (14) days of the permittee's receipt of the recorded copy.

If you have any questions pertaining to this authorization, please contact the Stormwater Management Program's Environmental Analyst assigned to your district, or by email at stormwater@state.vt.us. Additional Stormwater Management Program contact information and stormwater permitting information is available at www.vtwaterquality.org.

Sincerely,

Stormwater Management Program

Enclosures

cc: ✓ Douglas M. Campbell, PE, Stantec Consulting Services, Inc.
Peter Keibel, Act 250 District Coordinator, Essex Junction

Permit Number 3028-9015.1
Project ID Number EJ96-0386

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AUTHORIZATION TO DISCHARGE UNDER
GENERAL PERMIT 3-9015

A determination has been made that the applicant:

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 0.17 acres

meets the criteria necessary for inclusion under General Permit 3- 9015. Hereinafter the named applicant shall be referred to as the permittee. Subject to the conditions of General Permit No. 3-9015, the permittee is authorized to discharge stormwater from Quarry Area Access Road located on 1200 Airport Drive, #1, in South Burlington, Vermont to groundwater in the Muddy Brook watershed.

Manner of Discharge:

S/N 002: Stormwater runoff from proposed access road via overland sheet flow, disconnected in accordance with the Disconnection of Non-Rooftop Runoff Credit, discharging to groundwater in the Muddy Brook watershed.

Design: This project shall be constructed and operated in accordance with the site plans and details designed by Stantec (Sheet 1, "Existing Conditions Plan," dated 7/11/2012; Sheet 2, "Site Plan," dated 7/11/2012; Sheet 3, ";; and supporting information).

By reference, the above noted plans are made part of this authorization.

Compliance with General Permit 3-9015 and this Authorization

The permittee shall comply with this authorization and all the terms and conditions of General Permit 3-9015, including the payment of annual operating fees to the Department. A billing statement for such fees will be sent to the permittee each year. The first year's statement is enclosed. Any permit non-compliance, including a failure to pay the annual operating fee, constitutes a violation of 10 V.S.A. Chapter 47 and may be grounds for an enforcement action or revocation of this authorization to discharge.

Transferability

This authorization to discharge is not transferable to any person except in compliance with Part VI.D. of General Permit 3-9015. A copy of General Permit 3-9015 is available from the Department via the internet at http://www.anr.state.vt.us/dec/waterq/stormwater/docs/sw_3-9015-finalpermit.pdf

Changes to Permitted Development

In accordance with Part V.G. of General Permit 3-9015, the permittee shall notify the Department of any planned development or facility expansions or changes that may result in new or increased stormwater discharges. The Department shall determine the appropriateness of continued inclusion under General Permit 3-9015 by the modified development or facility.

Semi-Annual Inspection and Report

The stormwater collection, treatment and control system authorized herein shall be properly operated and maintained and shall be inspected at least twice per year, once in the spring after snowmelt and once in the fall prior to snow fall. The inspection shall evaluate the operation and maintenance and condition of the stormwater collection, treatment and control system. The permittee shall prepare a semiannual inspection report on a form available from the Department, which can be found on the Stormwater Management Program's website. The permittee shall, by November 1st and June 1st of each year, submit an inspection report to the Department.

Restatement of Compliance

An initial statement of compliance, signed by a designer, must be submitted to the Stormwater Management Program no later than 6 months following completion of construction of the stormwater management system. Then, every 5 years, the permittee shall submit to the Department a written statement signed by a designer that the stormwater collection, treatment and control system authorized herein is properly operating and maintained. The first re-statement of compliance is due November 20, 2017. Failure to submit a designer's restatement of compliance shall constitute a violation of General Permit 3-9015 and may result in the revocation of this authorization to discharge. Forms for completing this requirement are available on the Stormwater Management Program's website.

Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this authorization to discharge on the form provided by the Secretary, per §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Renewable Energy Projects – Right to Appeal to Public Service Board:

Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Tel. #802-828-2358).

All Other Projects – Right to Appeal to the Environmental Court


Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Telephone #802-828-1660).

Effective Date and Expiration Date of this Authorization

This authorization to discharge shall become effective on November 20, 2012 and shall continue until November 20, 2022. The permittee shall reapply for coverage at least sixty (60) days prior to November 20, 2022.

Dated this 20th day of November, 2012.

David K. Mears, Commissioner
Department of Environmental Conservation

By 
Padraic Monks, Stormwater Program Manager
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL
CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

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BURLINGTON INTERNATIONAL AIRPORT

Permit No. 3028-INDS.3 (Sewage Receiving Station)

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VERMONT

BTV Sewage Receiving Station
195310775
File, Jan, Doug, Harry

Vermont Department of Environmental Conservation
Watershed Management Division
1 National Life Drive, Main 2
Montpelier, VT 05620-3522

Agency of Natural Resources

(phone) 802-828-1535
(fax) 802 828-1544

September 4, 2013

City of Burlington / Burlington International Airport
Heather Kendrew
1200 Airport Drive #1
South Burlington, VT 05403

RECEIVED
SEP 09 2013
STANTEC
SOUTH BURLINGTON, VT

Re: **Discharge Permit #3028-INDS.3**
Aircraft Sewage Receiving Station

Dear Permittee:

Enclosed is your copy of Discharge Permit #3028-INDS.3. The permit authorizes the discharge of treated stormwater runoff from impervious surfaces associated with your project.

Please read this permit carefully and note the inspection, maintenance, and reporting requirements, and other operating conditions including operating fees.

In addition, per the authorization, the permittee shall record a one page-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this permit on the form provided. The permittee shall then provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

Since we did not receive any public comments during the notice period, the final permit is unchanged from the draft that was placed on public notice.

If you have any questions pertaining to this permit, please contact the Stormwater Management Program's Environmental Analyst assigned to your district. Additional Stormwater Management Program contact information and stormwater permitting information is available at <http://www.watershedmanagement.vt.gov/>.

Sincerely,

Stormwater Management Program

Enclosures

cc: ✓ Douglas M. Campbell, PE, Stantec Consulting Services, Inc.
Peter Keibel, Act 250 District Coordinator, Essex Junction

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

STORMWATER DISCHARGE PERMIT

STORMWATER RUNOFF TO WATERS OF THE STATE

In compliance with provisions of 10 V.S.A. §1264, the Stormwater Management Rule for Stormwater-Impaired Waters and in accordance with "Terms and Conditions" hereinafter specified,

City of Burlington, Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

Impervious Area: 0.03 acres

the permittee, is hereby granted permission to discharge stormwater runoff from the Aircraft Sewage Receiving Station located at the Burlington International Airport in the Town of South Burlington, Vermont to groundwater contiguous with the Potash Brook watershed.

1. Expiration Date: Five years from issuance date of final permit. Note: This permit, unless revoked, modified or suspended, shall be valid until the designated expiration date notwithstanding any intervening change in water quality, effluent, or treatment standards, or classification of the receiving waters including groundwater. However, any such changed standard or classification, and any applicable requirement in a total maximum daily load (TMDL) for the receiving water, shall be applied in determining whether or not to renew this permit, and in determining the conditions of a renewed permit.

The permittee shall reapply for a renewed discharge permit ninety days prior to the expiration date of this permit.

2. Revocation: 10 V.S.A. §1267 provides as follows:

The Secretary may, after notice and opportunity for a public hearing, revoke, modify or suspend this permit if it is found that the permittee submitted false or inaccurate information in its application or has violated any requirement, restrictions, or condition of this permit, or if there is any change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge. The Secretary shall impose conditions as the Secretary deems necessary for regulating the discharges of a permittee whose permit has been revoked, modified or suspended. Revocation shall be effective upon actual notice thereof to the permittee.

3. Operating Fees: This discharge is subject to operating fees under 3 V.S.A. §2822. The permittee shall submit the operating fees to the Agency in accordance with procedures provided by the Secretary.
4. Recording in Land Records: The permittee shall record a one-page notice of issuance of this discharge permit in the local land records within fourteen (14) days of issuance of this permit on the form provided by the Secretary, per §22-312 of the Stormwater Management Rule for

Stormwater-Impaired Waters. A copy of this form is available on the Stormwater Management Program website. The permittee shall provide a copy of the recording to the Stormwater Management Program within fourteen (14) days of the permittee's receipt of the copy of the recording from the local land records.

5. Transfer of Permit: This permit is not transferable without prior written approval of the Secretary. Provided all applicable fees under 3 V.S.A. §2822 have been paid, a permittee may submit a notice of transfer to the Stormwater Management Program. The notice shall be submitted at least five (5) days prior to the proposed date of transfer. The notice shall state that the prospective permittee has adequate funding to comply with this permit. The permittee shall provide a copy of this permit to the new owner or tenant and inform him of the responsibility to make application for a permit which shall be issued in his name. Any failure to do so shall be considered a violation of this permit.
6. Right of Entry: The permittee shall allow the Secretary, or his or her authorized representatives, at reasonable times, upon presentation of credentials, to enter upon and inspect the permitted premises, and the stormwater collection, treatment and control system; and to sample any discharge to determine compliance with this permit; and to have access to and inspect and copy any records required to be kept pursuant to this permit.
7. Receiving Waters: Groundwater contiguous with the Potash Brook watershed.
8. Manner of Discharge:
S/N 001: Stormwater runoff from rooftop drives/parking to an underground infiltration trench system, discharging to groundwater contiguous with the Potash Brook watershed.
9. Wastes Permitted: Stormwater runoff from S/N 001 of the Aircraft Sewage Receiving Station project after treatment from underground infiltration trench system.
10. Volumes Permitted and Frequency of Discharge: Such volumes and frequency as required by the discharge specified in #8 above.
11. Approved Project Design: This project shall be constructed and operated in accordance with the following site plans and details prepared by Stantec Consulting Service, Inc.:
 - Drawing No. 1, "Overall Site Plan;"
 - Drawing No. 1, Sheet 1 of 2, Pre-Development Drainage Areas, 5/03/13;
 - Drawing No. 2, Sheet 2 of 2, Post Development Drainage Areas, 5/03/13;
 - Drawing No. G1, Sheet 1, Cover Sheet, 5/03/13;
 - Drawing No. C1, Sheet 2, Site Plan, 5/03/13;
 - Drawing No. C3, Sheet 5, Site Layout and Grading Plan, 5/03/13;
 - Drawing No. C4, Sheet 7, Utility Plan, 5/03/13;
 - Drawing No. C8A, Sheet 11, Civil/Site Details, 5/03/13;
 - Drawing No. C8B, Sheet 12, Civil/Site Details, 5/03/13;
 - Drawing No. C10, Sheet 14, Erosion Control Plan and Details, 5/03/13;
 - Drawing No. A100, Sheet 17, Building Plan, Elevations and Details, 5/03/13;and all supporting information

By reference, the above noted plans are made a part of this permit.

12. Inspection and Maintenance Reporting Requirements:

- a. The basins, grass channels, and related stormwater collection, treatment and control system shall be maintained in good operating condition at all times and **shall be inspected annually and cleaned as necessary to maintain design specifications. The inspections shall be conducted between the conclusion of spring snow melt and June 15th of each year.**
- b. Any sediment removed from the basins, grass channels, and related stormwater collection, treatment and control system shall be disposed of properly in accordance with state and federal statutes and regulations.
- c. **By July 15 of each year the permittee shall submit an annual inspection report to the Secretary; or by July 30 of each year if performed by a utility or municipality pursuant to a duly adopted stormwater management ordinance. Annual Inspection Reports shall be submitted to:**

Department of Environmental Conservation
Watershed Management Division
Stormwater Program
1 National Life Drive, Main 2
Montpelier, Vermont 05620-3522

Or by email to anr.wsmdstormwatergeneral@state.vt.us

This report shall include, at a minimum items c.i. through c.vii. below. The permittee(s) may utilize the Annual Inspection Report form available from the Stormwater Program if determined by inspector to be sufficient to fully document inspection and maintenance of the authorized system.

- i. Unless previously submitted by the permittee(s) under a previously issued authorization or discharge permit, the first report shall include an inspection and designer's certification that the project was built in compliance with the Approved Project Design per #11 above;
- ii. A description of any vegetated areas that require mowing or other maintenance;
- iii. A description of any catch basins that require maintenance or sediment removed from sumps;
- iv. A description of any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc.) and corrective action/preventative measures taken if applicable;
- v. A description of any re-routing of stormwater to avoid the system;
- vi. A description of any erosion noted during inspection (i.e. areas of exposed soil in channels, outlets, or on pond berms);

19. Renewable Energy Projects – Right to Appeal to Public Service Board:

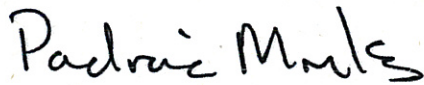
Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at www.psb.vermont.gov. The address for the Public Service Board is 112 State Street Montpelier, Vermont 05620-2701 (Tel. #802-828-2358).

All Other Projects – Right to Appeal to Environmental Court:

Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permit involved in the appeal. The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available online at www.vermontjudiciary.org or call (802) 828-1660. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, Vermont 05641.

20. Dated this 4th day of September, 2013

David K. Mears, Commissioner
Department of Environmental Conservation

By 
Padraic Monks, Program Manager
Stormwater Management Program

**NOTICE OF ISSUANCE OF STORMWATER DISCHARGE PERMIT
BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

Notice is hereby given that an individual stormwater discharge permit or an authorization to discharge pursuant to a general stormwater discharge permit has been issued by the Vermont Department of Environmental Conservation to Permittee(s) named herein for the discharge of stormwater runoff from impervious surfaces (e.g. roadways, rooftops, parking lots, walkways) pursuant to 10 V.S.A. Section 1264 for the property identified below. The permit/authorization requires treatment and control of stormwater runoff, long-term maintenance of the treatment and control structures and payment of yearly operational fees.

Permittee(s): _____

Permit/Authorization Number: _____

911 Address of Property: _____

Name of condominium, subdivision or planned community association (if applicable):

Signature of Permittee or Authorized Representative: _____

Printed Name of Permittee or Authorized Representative: _____

Date of Signature: _____

Recording information: Municipal clerks - please index this document listing the State of Vermont, Department of Environmental Conservation as "Grantee". Please index this document listing the above named Permittee(s) as "Grantor(s)". Additionally, if this notice lists the name of a condominium, subdivision or planned community association, please list the named association as an additional "Grantor".

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BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix H

Field Inspection Maintenance Recommendations

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The following maintenance items are recommended to be performed on structures inside the airport perimeter security fence:

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 002 (North End Terminal Expansion)	
None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 003 (Westerly of Runway 15 End Overrun)	
<ol style="list-style-type: none"> Catch basins S1.002 and S1.002.1 are buried and need to be excavated and frames and grates brought to grade. Inlet and outlet of culvert, S1.073 and S1.074, need to be cleaned of brush and other vegetation. 	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 004 (Sand Filter near Gate #2)	
<ol style="list-style-type: none"> S1.016.2.1 cleanout covers in the TRAP sand filter are covered over with sod and need to be excavated out. Drainage manhole S1.016.2.2 needs to have sod removed from frame and cover and the site reshaped. 	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 005 (Pratt & Whitney Facility)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 007 (Westerly side of Aviation Support Hangar)	
1. Perhaps the next time that structures S3.009.3, S3.009.4, and S3.009.5 are opened, the bolts can be coated with some kind of grease to make opening them easier. REMOVE SEDIMENT: 2. S3.009.8 (Aviation Support Hangar/Gate 9 area)	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 008 (South End Development, Phase 2 SED)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 1-1391 S/N 001 (South Terminal Apron and T/W 'A')	
REMOVE SEDIMENT: 1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 1-0839 S/N 002 (Both edges of R/W 1-19, south of T/W 'A' and T/W 'B')	
1. The bank is sloughing onto S2.003 (monitor conditions)	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.A S/N 001 (along T/W 'K', under T/W 'C' and T/W 'J')	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.A S/N 002 (both sides of T/W 'C' to R/W 1-19)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 001 (between R/W 15-33 and T/W 'G'; T/W 'H' northward)	
1. S1.069 and 070 channels need to be rebuilt near north barrier, BTV side of 15-33	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 002 (along T/W 'F' and National Guard Avenue)	
BRUSH ISSUE: 1. Remove brush at discharge apron S6.022 (pipe from R/W 1-19 turn around)	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 004 (Island at R/W 1-19, T/W 'A', and T/W 'B')	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 005 (Southerly R/W 15/33, Valley West, and T/W 'K')	
BRUSH ISSUE: 1. Remove brush at ends of culvert S4.029 and S4.030 (south ILS locator building)	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 006 (Southeasterly end of R/W 15-33 and T/W 'D')	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 007 (Northeast end of R/W 15-33 at VTANG Arrestor Barrier)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3845-INDS.A S/N 001 (Heritage Flight Facility campus)	
1. None required. (see 3028-9010.A, S/N 007 above)	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 6-0084 (Aircraft Deicing Fluid Runoff, South End Development, Phase 2)	
1. Cleanouts S3.CO.3 and S3.CO.4 will not open, covers rusted to the frames. 2. S3.CO.7 and S3.CO.8: pump water from structures; verify and open drain holes as required; clean rust from pipes, fittings, and appurtenances; paint pipes, fittings, and appurtenances. 3. S3.CO.9: verify and open drain hole as required; inspect and paint pipes, fittings, and appurtenances as required.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 6-0075 (Aircraft Deicing Fluid Treatment Facility, Main Apron and NOTE2)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 6-0117 Aircraft Deicing Fluid Treatment System, 890 Ramp	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 1. (corner of Airport Drive and Williston Road)	
1. Bank erosion beginning on southwest corner of ramp.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 4. (TW 'K' near General Aviation Apron)	
LAWN ISSUES: (remove sod from grate) 1. S3.035 inside, SW corner of the Valley	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 5. (TW 'K' near General Aviation Apron)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 7. (TW 'K' near General Aviation Apron)	
LAWN ISSUES: (remove sod from grate) 1. S1.016.2.0 (near sand filter basin and gate by cell phone lot)	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 8. (along service road, TW/A and TW/G)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 9. (Trench drain along TW/A and PAX Terminal)	
REMOVE SEDIMENT: 1. S1.036 = 9" inside at southerly end of PAX ramp trench	30 Sep 2016
2. LONG TERM: Reconstruct trench drain system along the passenger loading area.	2018 WORKING

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 10. (PAX Terminal and FAA Tower)	
1. None required.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 11. (FAA Tower and other parking areas)	
LAWN ISSUE: 1. S1.046 (along north service road at start of sand filter basin)	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 12. (Parking lot, FAA Tower, Passenger loading area)	
LAWN ISSUES: (remove sod from grate) 1. S1.053.1 inside at FAA compound 2. S1.053.2 inside at FAA compound	30 Sep 2016

The following maintenance items are recommended to be performed on structures outside the airport perimeter security fence:

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 001 (North Outfall)	
1. Monitor the newly reconstructed attenuation basin for sediment problems.	30 Sep 2016
2. Construct stream bank stabilization measures beginning at the Q001A outfall point and extending downstream to the inlet headwall of the existing attenuation pond.	30 Sep 2017

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 001 (Swirl Chamber in Carwash Area)	
1. Remove and reset frame and cover on DMH S1.048.3 (at swirl chamber in the carwash compound)	30 Sep 2016
2. Remove trash from inside swirl chamber at rental parking lot	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 004 (Sand Filter near Gate #2)	
REMOVE SEDIMENT: 1. S1.039.1 = 12" outside, old long term parking lot 2. S1.040.1 = 15" outside, old long term parking lot 3. S1.043 = 15" outside, old long term parking lot	30 Sep 2016
CULVERTS: 1. S1.071 and S1.072 needs cleaning inside and at aprons, long term parking lot.	30 Sep 2016
LAWN ISSUES: (remove sod from grate) 1. S1.041.3 outside in employee parking area – old long term area 2. S1.042.3 outside in employee parking area – old long term area	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 005 (Pratt and Whitney)	
LAWN ISSUES: (remove sod from grate) 1. S3.010.4 outside at P/W parking lot	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 006 (Aviation Avenue and Eagle Drive)	
CULVERTS: 1. S3.043 Eagle Drive outlet and S3.044 Eagle Drive inlet need to have brush removed. 2. S3.045 and S3.046 Aviation Ave. culvert needs to be replaced.	30 Sep 2016 T.B.D.

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 007 (Westerly side of Aviation Support Hangar)	
REMOVE SEDIMENT: 1. S3.009.9 = 12" (outside at Ash building) 2. S3.009.6.3 = 8" (outside at Ash building rear parking area) 3. S3.009.6.4 = 15" (outside at Ash building rear parking area)	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 008 (South End Development, Phase 2 SED)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 008 (South End Development, Phase 2 SED)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 009 (Quarry Overflow Parking)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 1-1391 South Apron Expansion	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 002 (along T/W 'F' and National Guard Avenue)	
1. Install a stone discharge apron, Discharge Point NG002N=S6.008 2. Continue to monitor slope above newly reconstructed pipeline for materials sloughing off into the concrete outlet structure	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3845-INDS.A S/N 002 (Heritage Flight Facility campus, bio-retention basin)	
BRUSH ISSUES: 1. S3.018.0 remove brush at B890 pond outlet	30 Sep 2016
MISCELLANEOUS: 1. Continue to monitor the porous pavement parking lot for continued cracking, potholes, and materials being scraped off during plowing, etc.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 1. Corner of Airport Drive and Williston Road on the ramp.	
1. Repair bank erosion at the southeast corner of the ramp.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 3. (Valley Road)	
REMOVE SEDIMENT: 1. S3.026 = 20" dry well outside on Valley Road 2. S3.028.0 = 20"+ outside on Valley Road	30 Sep 2016
BRUSH ISSUES: 1. S3.024 outside at Valley Road (remove tree from atop cover) 2. S3.025 outside at Valley Road (remove brush from cover area)	30 Sep 2016
MISCELLANEOUS: 1. Fill in and add stone discharge apron, discharge point MU05.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 4. (Valley Road, south side of the Valley)	
BRUSH ISSUES: (remove brush from inlet and discharge areas) 1. S3.040 outside west of gravel road, south of the Valley	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 6. (vicinity of Building 6)	
1. None required.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 7. (along Airport Drive)	
REMOVE SEDIMENT: 1. S1.016.11.2 = 14" outside front of parking garage 2. S1.016.11.3 = 16" outside front of parking garage REMOVE SOD FROM GRATES: 1. S1.016.11.2 2. S1.016.11.3	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 11. (FAA Tower and other parking areas)	
REMOVE SEDIMENT: 1. S1.047.2.1 = 18" outside in car wash parking area 2. S1.047.2.2 = 18" outside in car wash parking area 3. S1.047.3.0 = 9" outside at parking garage exit booths 4. S1.047.3.1 = 14" outside at parking garage exit booths 5. S1.047.3.2 = 15" outside at parking garage exit booths 6. S1.047.3.4 = 16" outside near entrance to carwash area 7. S1.047.4 = 18" outside at parking garage on terminal loop 8. S1.047.5 = 12" outside at parking garage on terminal loop	30 Sep 2016
LAWN ISSUES: 1. Remove sod from grate S047.6.0	
MISCELLANEOUS: 1. Clean out trench S1.047.3.3, check center for blockage	

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 12. (Parking lot, FAA Tower, Passenger loading area)	
REMOVE SEDIMENT: 1. S1.056.1.1 = 15" outside 2. S1.056.1.2 = 10" outside 3. S1.056.1.3 = 10" outside 4. S1.058.1 = 14" outside 5. S1.058.2 = 8" outside 6. S1.060.1 = 15" outside 7. S1.060.2 = 12" outside on Terminal Drive 8. S1.061.1 = 17" outside 9. S1.056.1.1 = 15" outside 10. S1.062 = 12" outside near Building 6 11. S1.064.3 = 24"+ outside in front of Building 6 12. S1.068 = 12" outside in front of south parking garage	30 Sep 2016
LAWN ISSUES: (remove sod from grate) 1. S1.065 outside at southerly end of parking garage 2. S1.066 outside at southerly end of parking garage 3. S1.067 outside at southerly end of parking garage 4. S1.068 outside at westerly side of parking garage	30 Sep 2016
MISCELLANEOUS: 1. S1.062 has loose bricks below the frame on the terminal side of the structure.	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 13. (Grounds Maintenance Garage and Aviatron)	
REMOVE SEDIMENT: 1. S3.002 = 12" outside next to Aviatron 2. S3.003 = 14" outside next to Aviatron 3. S3.004 = 18" outside next to Aviatron 4. S3.006 = 12" outside next to Aviatron	30 Sep 2016
LAWN ISSUES: (remove sod and fabric from grate) 1. S3.006 outside at Aviatron	30 Sep 2016

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-9015.1 S/N 002 (Quarry Area Access Road)	
1. Continue to monitor vegetative growth on slopes.	30 Sep 2016
2. Continue to monitor ditch lines for washouts or sediment/	30 Sep 2016

BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix I

Individual Permit Summary Spreadsheet

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Burlington International Airport Operational Stormwater Discharge Permits Summary					
Current Permit Number	Former Permit Number	Description	Issued	Expires	
1	3028-9010.A	---	BTV's Master Permit (Outfalls S/N 001 through S/N 009)	12/22/2009	12/22/2019
2	Pending MS-4	1-1391	South Apron Expansion (Vortechs unit)	12/9/1999	9/30/2004
3	Pending MS-4	1-0839	Redirect Airfield Drainage to North Outfall	6/11/1990	3/31/1995
4	3028-9010.2	3028 - INDS.A	Reconstruct TW B & C; Relocate TW J; Construct TW G (Muddy Brook discharge)	11/5/2015	11/5/2025
5	3028-INDS.AR	3028 - INDS.A	Reconstruct TW B & C; Relocate TW J; Construct TW G (Potash Brook discharge)	12/4/2015	12/4/2020
6	3028 - 9010.1	3028-INDS.1	Reconstruct Mark & Groove Runway 15-33	8/13/2015	8/13/2025
7	3845-9010	3845.INDS.A	Heritage Flight Aviation Campus Expansion	8/13/2015	8/13/2025
8	3028-9015.1	---	Quarry Area Access Road	11/20/2012	11/20/2022
9	3028-INDS.3	---	Aircraft Sewage Receiving Station	9/4/2013	9/4/2018
10	3028-9015.2	---	Construct, Mark and Light Taxiway "G"/"K"	5/27/2015	5/27/2025
11	3845-9015.1	---	Heritage Aviation Parking Lot	8/25/2015	8/25/2025

 Acquired in 2015

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BURLINGTON INTERNATIONAL AIRPORT

**Annual Report for General Permit
3-9014 (MS-4)
and
Annual Reports for
Operational Stormwater Discharge Permits**

April 1, 2016

Appendix J

Email Correspondence from ANR

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Campbell, Douglas

From: Witters, Christy <Christy.Witters@vermont.gov>
Sent: Thursday, March 10, 2016 9:51 AM
To: Campbell, Douglas; ahanaway@btv.aero; mmoir@burlingtonvt.gov; bosborne@colchestervt.gov; wrackley@colchestervt.gov; jim@essexjunction.org; Chelsea@essexjunction.org; acostandi@ESSEX.ORG; DENNIS@essex.org; rhunt@town.milton.vt.us; rutlandtown@rutlandtown.com; andres@watershedca.com; tdipietro@sburl.com; crobinson@shelburnevt.org; C.Sawyer@stalbansvt.com; satplanner@comcast.net; Lani.Ravin@uvm.edu; jsherrard@willistonvt.org; jchoate@winooskivt.org; Callahan, Jennifer
Cc: Monks, Padraic
Subject: FRP Oct 1st due date

Hi all,

I wanted to follow up on the concern related to the October 1st FRP deadline and the forthcoming P reduction requirements. FRPs will continue to be due on October 1st as we are not able to grant an extension or amend the permit. On October 1st, a new MS4 NOI with the SWMP and FRP will be due. These will be placed on public notice and following our review and response to comments, amended MS4 authorizations will be issued.

We will be able to approve FRPs that meet the flow targets, even if the selected BMPs are not optimized for P reductions. In the design and construction schedule, you may want to prioritize and schedule first, those BMPs that achieve both P and flow reductions and schedule BMPs designed solely for flow later in the schedule. If you determine that it is most cost effective to modify the solely flow BMPs to also achieve P reductions, you may amend the FRP at a later date. While ideally all of the modeling and planning could be completed at once, this is an iterative process and we expect that plans will change as new opportunities for synergy between flow and P reductions are developed.

I welcome your additional questions and concerns and we can continue to work through these issues at the monthly meetings.

Thank you, Christy



Christy Witters, AICP
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