



Annual Report for General Permit 3-9014 (2012) MS-4

National Pollutant Discharge Elimination System (NPDES) Number: VTR040000 for
Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS-4)

and

Annual Report for Operational Stormwater Discharge Permits

- Permit No. 3028-9010.A (BTV's Master Permit)
 - Permit No. 1-1391 (South Apron Expansion)
- Permit 1-0839 (Redirect Airfield Drainage to North Outfall)
 - Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G')
- Permit No. 3028-INDS.1 (Reconstruct, Mark & Groove Runway 15-33)
- 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)

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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 eight 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)*. There were no new updated stormwater permits issued since the last reporting period.

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 consolidation of BTV's permit reporting is contained in Appendix A of the 2011 annual report entitled *Annual Report For General Permit 3-9014 (MS-4) and Annual Report For Operational Stormwater Discharge Permits* dated April 1, 2012.

1.0 CONSOLIDATION OF REPORTING

The City of Burlington, Burlington International Airport (herein referred to as BTV) currently is subject to eight 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). There were no new updated stormwater permits issued since the last reporting period.

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For future reference, e-mail correspondence related to consolidation of BTV's permit reporting is contained in Appendix A of the 2011 annual report entitled *Annual Report For General Permit 3-9014 (MS-4) and Annual Report For Operational Stormwater Discharge Permits* dated April 1, 2012.

2.0 ANNUAL REPORT FOR GENERAL PERMIT 3-9014 (2012) MS-4

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 or is in the process of implementing 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.



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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). Compliance will be gained by flow and precipitation monitoring in one of the three following ways:

- Work directly with the VT ANR for flow monitoring compliance paid for in a fee simple manner.
- Contract with a private consultant or the US Geological Survey (USGS) to install, maintain, and collect data and report for all flow monitoring stations.
- Work with the Chittenden Count Regional Planning (CCRPC) as lead agency to oversee a contract to install, maintain, and collect data and report for all flow monitoring stations.

For reference, a copy of BTV's Flow and Precipitation Monitoring Program dated January 2, 2014 is contained in **Appendix B**. 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:

BTV intends to seek coverage under the re-authorized General Permit No. 3-9014 (2012) MS4 for both expired state stormwater permits noted above including 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).

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*.

BTV will request coverage for the two expired stormwater discharge permits under the re-authorized MS4 General Permit including development and submission of Designer's Statement of Compliance certifications. These certifications require stating that the systems were constructed, and are currently operating and maintained, in accordance with the expired permits. The two expired permits must be in compliance within 24 months of BTV's MS4 re-authorization (i.e., October 1, 2015).

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 intends to join 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).

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, and as contained in **Appendix B**.



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 is 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 is incorporated into House Bill No.35. This bill will include a funding mechanism for individual MS4's. The bill is pending legislative action.

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

For the initial portion of the 2014 sampling year, Muddy Brook was an impaired water as listed on page 5 of 9 in the *State of Vermont, 2012 303(d) List of Waters, Part A – Impaired Surface Waters In Need of TMDL*. Muddy Brook was, therefore, an impaired water without an approved or established TMDL. Pollutants listed on the 303(d) list from the mouth to 7 miles upstream were "Toxics, Nutrients, and Temperature". Surface water quality problems identified on the 303(d) list included lack of buffer, land development, and erosion. BTV has one outfall discharging to Muddy Brook designated as discharge point DO18. This outfall is located at the southeastern side of the airport.

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 continuing pursuit to educate the public as it relates to water quality issues.

Status: **Implemented.** **Appendix C** contains the RSEP Annual Review for the 2014 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>

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 RSEP Annual Review for the 2014 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. Under the guidance of the participating MS4s, the WNRCD completed a third successful year in fulfilling MCM2 requirement.

The Summary of Activities completed by the CCST for 2014 is contained in Appendix D.

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 measureable 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 believes 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.**

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*.

No major revisions to the SWMP other than updating the SWPPP 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 2014 – 2015 de-icing season.

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

BTV intended to send five employees to the municipal employee training workshop in 2014. However, the five employees were unable to attend the training workshop.

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 submitted two Construction General Permit (CGP) 3-9020 applications during the reporting period. These include:

- **Notice of Authorization #3028-9020.11 (Reconstruct Cargo Apron, Phase 2 and Reconstruct Terminal Apron) was issued on May 14, 2014.**

- **Notice of Authorization #3028-9020.12 (Construct, Mark and Light Taxiway "G/K") was issued on September 4, 2014.**

The Notice of Authorization and the Notice of Intent for these two CGPs is contained in Appendix E for reference.

BTV did not conduct any projects under one acre that required reporting per BTV policy.

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 did not submit any operational Stormwater Discharge Permit applications during the reporting period.



Appendix F has been reserved for approved operational Stormwater Discharge Permits issued during the reporting period. For reference, a copy of all previously issued operational Stormwater Discharge Permits is provided in Appendix G.

A Post-construction site inspection was completed in 2014 for the following three projects:

- **Aircraft Sewage Receiving Station project.**
- **Reconstruct, Mark, Light and Sign a Portion of Taxiway 'B' project.**
- **Reconstruct Cargo Apron – Phase I project.**

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 **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 the Fall of 2014. A listing of catch basins requiring maintenance is presented in Appendix H. Maintenance of these catch basins is proposed for the fall of 2015.



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 has been reviewed and updated in 2014 as part of the General Permit 3-9014 (2012) MS4 conditions.

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

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 has been reviewed and updated in 2014 as part of the General Permit 3-9014 (2012) MS4 conditions.

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

2.5 REPORTING CONDITION V.C.3.

The 2014 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**



- 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." The project has been designed, and construction is anticipated to commence in 2015.
 - The work for this project received a Construction General Permit in 2014 (CGP 3028-9020.12); requirements have since changed, and the project will now receive an Individual Construction Stormwater Discharge Permit (INDC, in process). This project will be covered under an amendment to the previously issued operational Stormwater Discharge Permit [Operational Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G')].
- b) Reconstruct Cargo Apron – Phase II Project**
- This project consists of reconstruction of a portion of the existing Cargo Apron, otherwise referred to as the 890 Ramp. The overall project involves removing and replacing the existing Portland cement concrete pavement on the approximately 10 acre cargo ramp. Construction of this project phase commenced in 2014, and will continue in 2016 due to funding availability.
 - The work for this project originally required a Construction General Permit application, and will now require an INDC.
- c) Rehabilitate a Portion of Terminal Apron, Phase 2**
- 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 this project was partially completed in 2014, and will continue in 2015.
 - The work for this project originally required a Construction General Permit application; it now requires an INDC.
- 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. Construction of this project is scheduled for 2015.
 - The work for this project requires an INDC and an amendment to the existing Operational Stormwater Permit.
- e) House Removals on Airport Acquired Land**

- **This project entails removal of 94 houses acquired by BTV funded through grants from the Federal Aviation Administration (FAA). The overall project includes the removal by demolition, deconstruction, or relocation (as chosen by the contractor) of the vacant houses and associated improvements on each property. Foundations will be demolished and cellar holes filled. Sites will be restored following the removal.**
 - **The work for this project will require an INDC.**
- f) 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 2015.**
 - **The work for this project requires an INDC and an Operational Stormwater Permit.**

2.6 REPORTING CONDITION V.C.4.

The 2014 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.

2.7 REPORTING CONDITION V.C.5.

The 2014 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) (MS-4) dated April 1, 2015.

3.0 ANNUAL REPORT FOR OPERATIONAL STORMWATER DISCHARGE PERMITS

3.1 INTRODUCTION

As previously discussed, BTV currently is subject to eight 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)
- Permit No. 1-0839 (Redirect Airfield Drainage to North Outfall)
- Permit No. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G')
- Permit No. 3028-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33)
- 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)

A copy of each Stormwater Discharge Permit is presented in **Appendix G** for reference purposes.

On April 1, 2014, BTV formally requested termination of Permit No. 3028-INDS.2 (Burlington Aviation Technical Center and Vermont Flight Academy) as the project has not been constructed and plans for the project have been abandoned. This Permit was terminated on April 2, 2014 and is no longer subject to reporting requirements.

Permit Nos. 3028-9010.A, 3028-INDS.A, 3028-INDS.1, and 3845-INDS.A 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 October 10 to November 20, 2014.

Permit Nos. 1-1391 and 1-0839 require quarterly inspections to be performed. Stantec personnel performed these quarterly on-site inspections on May 13, July 14, October 29, 2014, as well as on March 10, 2015.

Permit No. 3028-9015.1 requires semi-annual inspections to be performed. Stantec personnel performed these semi-annual on-site inspections on May 13 and November 12, 2014.

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 is next due December 22, 2015.



An *Initial Designer's Statement of Compliance* is also provided below for the following operational Stormwater Discharge Permit:

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

3.2 INITIAL DESIGNER'S STATEMENT OF COMPLIANCE

Per conditions contained in Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station), BTV shall submit an Initial Designer's Statement of Compliance upon completion of construction of the stormwater management system to the VT ANR for review. An *Initial Designer's Statement of Compliance*, is provided below for the referenced permit for VT ANR review.

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

DESIGNER'S STATEMENT OF COMPLIANCE STATE STORMWATER DISCHARGE PERMIT

Check One Below:

- Initial Designer's Statement of Compliance
 Designer's Restatement of Compliance

1. Permit Number: **3028-INDS.3**

2. Description/Name of Project: **Burlington International Airport,
Aircraft Sewage Receiving Station**

3. Designer's Certification: Please complete the applicable lines below.

I hereby certify to the best of my knowledge and in the exercise of my reasonable professional judgment that:

- The stormwater collection, treatment and control system authorized by the permit described in #1 above was properly constructed in accordance with the permit. **[Complete this line for Initial Designer's Statement of Compliance ONLY, in addition complete below.]**

Check ONLY one of the following boxes:

The most recently issued permit described in #1 is valid and construction has not yet commenced. [If this line is checked, this form may be completed by the Owner.]

The stormwater collection, treatment and control system authorized by the permit described in #1 above is properly operating and maintained in accordance with the requirements of the permit.

The stormwater collection, treatment and control system authorized by the permit described in #1 above is not operating properly and/or is not being maintained in accordance with the requirements of the permit. If so, please describe the operational and maintenance failures in detail below (or in an attachment if necessary):



4. If you checked the last box in # 3 above, please provide a description of the steps that will be taken to bring the stormwater system back into compliance with the permit, and provide a schedule for taking such actions.

5. The failure to properly operate and maintain the stormwater collection, treatment and control system authorized in the permit described in # 1 above constitutes a violation of state law and is subject to potential enforcement action by the Department of Environmental Conservation. Please take immediate steps to correct all violations.

(INCOMPLETE FORMS WILL BE RETURNED)


Signature of Designer 3/24/2015

Project Engineer
Title

Douglas M. Campbell, P.E.
Stantec Consulting Services, Inc.
55 Green Mountain Drive,
South Burlington, VT 05403

Print or Type Name and Address

One day of inspection on November 6, 2014.

Date of Inspection

Telephone No. (802) 864-0223 email: doug.campbell@stantec.com

Designer'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



3.3 ANNUAL INSPECTION REPORT FORMS

Annual inspection report forms for the seven current operational stormwater discharge permits noted 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*.

3.3.1 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

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

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.*
Response: See Appendix H for Additional Detail.
- 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: See Appendix H for Additional Detail.
- 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.
 1. S/N 001 (North Outfall) – Attenuation basin repairs and maintenance. Anticipated Completion Date is September 30, 2015.
 2. UIC Permit No. 6-0075, Aircraft Deicing Fluid Treatment Facility, Main Apron and NOTE2 – Short term maintenance on the pump station and infiltration field distribution manhole, were completed on October 1, 2014.

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

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. Maintenance recommendations contained in Appendix H of this report include three items of work to be performed on the Main Terminal Apron Aircraft Deicing Fluid (ADF) Collection and Treatment System. These items, including replacement of the pump, were completed on October 1, 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).

(INCOMPLETE FORMS WILL BE RETURNED)

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 October 10, 2014 - November 20, 2014
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.wsmndstormwatergeneral@state.vt.us

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



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

Permit No. 1-1391 (South Apron Expansion)

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. 1-1391 (South Apron Expansion)

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)

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 May 13, July 14, and October 29, 2014,
as well as on March 10, 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



3.3.2 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

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

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.*
Response: See Appendix H for Additional Detail.

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

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)

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 May 13, July 14, and October 10, 2014,
as well as on March 10, 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



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

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.A

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

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

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.*
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.*

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

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)

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

Four days of inspection between November 10, 2014 and November 13, 2014
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



3.3.4 Permit No. 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-INDS.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

Permit No. 3028-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33)

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-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33)

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)

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 October 10, 2014 and between November 5 and November 20, 2014

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



3.3.5 Permit No. 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-INDS.A** _____

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

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

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-INDS.A (Heritage Flight Aviation Campus Expansion)

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)

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 November 5, 2014 and November 12, 2014
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



3.3.6 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

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

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.*
Response: See Appendix H for Additional Detail.
- 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. 3028-9015.1 (Quarry Area Access Road)

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)

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 13, 2014 and November 12, 2014.
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



3.3.7 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

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

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. 3028-9015.3 (Aircraft Sewage Receiving Station)

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)

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 November 6, 2014.
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

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

April 1, 2015

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, 2015

Appendix B

**Flow and Precipitation Monitoring Program
dated January 1, 2014**

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BURLINGTON INTERNATIONAL AIRPORT

January 2, 2014

Ms. Christy Witters
Vermont DEC
Watershed Management Division
1 National Life Drive
Montpelier, VT 05620-3522

Dear Ms. Witters

The Chittenden County MS4's will cooperatively pursue a MS4 flow monitoring program in compliance with NPDES General Permit 3-9014 section IV.C.1.(e)(7). Participating communities include Burlington, Colchester, Essex, Essex Junction, Milton, Shelburne, South Burlington, Williston, Winooski, Burlington International Airport, University of Vermont and Vermont Agency of Transportation.

This cooperative effort is for the following streams:

Allen Brook (Williston), Bartlett Brook (South Burlington), Centennial Brook (South Burlington), Englesby Brook (Burlington), Indian Brook (Essex / Essex Jct.), Morehouse Brook (Winooski), Munroe Brook (Shelburne), Potash Brook (South Burlington) and Sunderland Brook (Colchester / Essex / Essex Junction)

Compliance will be gained by flow and precipitation monitoring in one of three ways:

1. Work directly with the Agency of Natural Resources for flow monitoring compliance paid for in a fee simple manner.
2. Contract with United States Geological Survey (USGS) to install, maintain, and collect data and report for all flow monitoring stations according to the timeline attached (Attachment A).
3. Work with Chittenden County Regional Planning (CCRPC) as lead agency to oversee contract to install, maintain, and collect data and report for all flow monitoring stations according to the timeline attached (Attachment A).

ANR approval of this proposed plan may require modification of our approved MS4 Stormwater Management Plan.

Sincerely,

Heather A Kendrew

Director of Maintenance, Engineering &
Environmental Compliance

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BURLINGTON INTERNATIONAL AIRPORT

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Appendix C

**Regional Stormwater Education
Program, Annual Review 2014**

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**Chittenden County Regional Stormwater Educational Program
Annual Review: 2014 Calendar Year Summary**

The 2014 calendar year marks our first full year of new campaign strategy and full spend on campaigns, and has provided a high level of marketing success. We have driven thousands more people to our website than ever before (7728 vs. 3542 the previous year). Also, based on the rich amount of data that comes with online advertising, we're able to continue to adapt strategy based on the results.

Also during this program year we refreshed our website, modernizing the look a bit while also updating the back end so that the site can withstand updates to Wordpress well into the future. The updated site also gave us the opportunity to clean up old and broken links so that visitors have access to the best and most current stormwater resources in Vermont and nationwide.

Spring Advertising Campaign

This campaign marked the return to the Spring/Fall cycle that has been typical for RSEP, and provided the program with its largest ever spike in web traffic. The focus on online advertising has proven quite successful for RSEP, with 80% of web visits being driven by online ads which account for 38% of the overall spending.

Because web advertising also provides a strong data set, we were able to assess these results and refine them for future campaigns, with the goal of even better results.

Spring 2014 Campaign Online Media Results				
Tactic	Impressions	Clicks	Cost	Cost per click
Google	pay-per-click	1512	\$1,195.12	\$0.79
WCAX	120,000	129	\$1,000.00	\$7.75
Front Porch Forum	210,000	465	\$1,510.00	\$3.25
Free Press	210,000	121	\$1,410.00	\$11.65
Xfinity.com	105,000	184	\$2,000.00	\$10.87
Seven Days	75,000	78	\$540.00	\$6.92
Total clicks		2489	\$7,655.12	\$3.08

Fall Campaign

Fall campaign results closely align with Spring results in several notable ways. Again, the web ad strategy drove strong traffic to the site. Bounce rates during the campaign windows were also consistent. As stated above, we made some tactical changes to the media plan based on Spring results.



Through that effort we drove down cost-per-click for some media. Changes to the Google ads drove up cost, however. We will revert back to text-only ads for 2015 to achieve the highest possible return on our investment.

Fall 2014 Campaign Online Media Results				
	Impressions	Clicks	Cost	Cost per Click
WCAX	75,000 impressions	86	\$600	\$6.98
Xfinity	video pre-roll	131	\$750	\$5.73
Front Porch Forum	58,000 impressions	127	\$756	\$5.95
Google	pay-per-click	411	\$1,000	\$2.43
Seven Days	87,500 impressions	77	\$700	\$9.09
Total Clicks		832	\$3,806	\$4.57

Web Refresh

In late 2014, the SmartWaterWays website experienced problems due to the old Wordpress theme on which it was built. J Andrews Marketing worked with RSEP to choose a new theme and migrate the full site over. We also worked with a web subcommittee to simultaneously identify old and broken links and update the site content to ensure the best possible user experience. Finally, we also migrated the Stormville game from Flash to html, so that it is now functional for users that access the site from their iPhone or iPad.

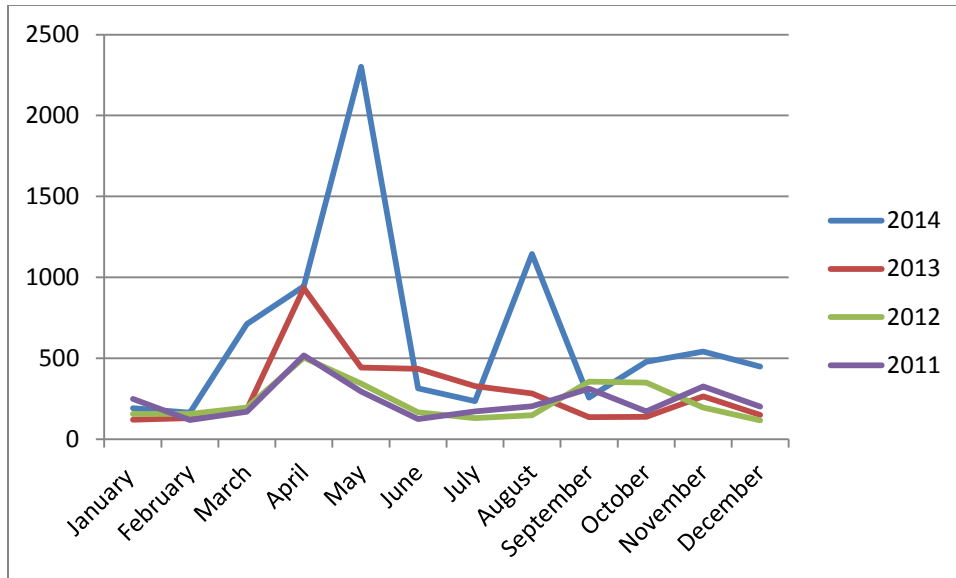
In 2015, we still plan to update site content to improve the clarity of language.

Traffic to Program Website (www.smartwaterways.org)

Below is the website visitor information for 2014, as compared to the three most recent preceding years. The site had 7,488 visits during 2014, more than double the amount of 2013 and by far our most successful year for the web on record. Website traffic increases/spikes are in conjunction with media campaigns.

The Connecting the Drops program ran for Williston and Essex in the June/July timeframe, keeping web traffic high in between campaigns.





TOTAL	TIME PERIOD
7728	2014
3542	2013
2817	2012
2859	2011



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Appendix D

**Minimum Control Measure (MCM) #2,
Chittenden County Stream Team,
Summary of Activities: 2014**

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MCM #2
Chittenden County Stream Team
Summary of Activities January-December 2014

This report summarizes CCST activities in the 2014 calendar year. Demographic data about participant numbers from each town is presented in tabular form following the narrative.

Social Media

Facebook

- 104 “likes”-- a 25% increase in likes from 2013 annual report numbers (83 likes)
- 36% of the people who like CCST are from Burlington (37 people)
- 53.8% of the people who like CCST live in CCST member towns (56 people)

CCST Website

Google Analytics provides website traffic data from January 1, 2014 to December 31, 2014:

- 1,454 website visits, spending an average of 2 minutes and 2 seconds on the website per visit. The number of visits is up 81.5% from 2013 (801 visits)
- 3,683 page views, up 40% from 2013 (2,619 views)
- 74.7% of visitors were new visitors to the site.
- The highest spike in page views occurred on May 7th, with 28 visits. This was shortly after a rain barrel workshop was held in Shelburne that received some press and after a few other activities including a rain garden clean-up day, outreach at Green-Up Day in South Burlington and outreach at the Winooski Natural Resources Conservation District’s Annual Tree Sale. Other spikes occurred in the days following the Connecting the Drops rain barrel auction and throughout the summer after outreach events. On average, the busiest months for web traffic were April, May, June and July.

Newsletter and e-correspondence

- In 2014, there were 295 subscribers to the CCST newsletter, up 13% from 261 in 2013.
- A fall newsletter was sent out in September with a 37.1% 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.

Organizational Partnerships

The Chittenden County Stream Team partnered with twelve different organizations in 2014.

- A local gardener donated plants for the Stream Team’s rain gardens. In 2014, Ann Pearce provided CCST with dozens of iris, lobelia and native grasses for multiple rain gardens (Chamberlin School, South Burlington; Williston Town Hall Annex, Williston; and Coast Guard Station, Burlington).
- 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 Williston Central School, Winooski Elementary School, Winooski’s summer school education program and ECHO’s summer kid’s environmental program.
- CCST partnered with towns and other local organizations to host two rain barrel workshops. CCST partnered with the Shelburne Natural Resources Committee and the Shelburne Recreation



MCM #2
Chittenden County Stream Team
Summary of Activities January-December 2014

Department for a rain barrel workshop in April. CCST partnered with Essex Junction's Department of Recreation and Parks to host a rain barrel workshop in May.

- In October, CCST held a stormwater walk for local residents in the town of Williston in partnership with the Town of Williston.
- During the 2014 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. Lake Champlain Sea Grant staff member Becky Tharp recruited the artists for the displayed rain barrels and coordinated press and advertising. The Regional Stormwater Education Program (RSEP) contributed funds to pay for advertising and additional costs associated with the Connecting the Drops campaign. CCST partnered with the towns of Essex and Essex Junction and their public works departments to provide outreach for Connecting the Drops, display the barrels and engage citizens.

Media

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

- Vermont Public Radio story about Shelburne rain barrel workshop. (4/21/14)
<http://digital.vpr.net/post/environmental-group-teaches-vermonters-build-diy-rain-barrels>
- National SeaGrant Newsletter article on Connecting the Drops (July 18,2014)
<http://seagrant.noaa.gov/News/FeatureStories/TabId/268/ArtMID/715/ArticleID/261/Urban-Stormwater-Management-Research-and-Outreach.aspx>
- Interview with FOX44 about Connecting the Drops (06/09/2014)
<http://www.mychamplainvalley.com/story/d/story/rain-barrels-raise-awareness-for-stormwater-pollut/15632/ha1pUEXjsU6tSu6jMHQ5vw>
- Kids VT Feature (July 2014 Issue) "Connecting the Drops in Essex Junction"
<http://issuu.com/kidsvt/docs/kvt0714> available on Page 7.

Outreach

Outreach events include tabling and the distribution of educational materials or information. There were seven outreach events in 2014. See Table 1 below for detailed outreach audience information.

- Green-Up Day in South Burlington (5/03/2014, 25 people)
- Five Corners Farmers Market (7/11/2014, 31 people)
- Essex Junction Block Party (7/19/2014, 58 people)
- Stormwater Outreach to Winooski Summer School Program (7/30/2014, 22 people)
- Winooski Farmers Market (8/24/2014, 38 people)
- Targeted Outreach Materials Delivered to Oneida Acres Neighborhood in Williston (10/02/2014, 38 people)
- South Burlington Harvest Festival (10/13/2014, 25 people)



MCM #2
Chittenden County Stream Team
Summary of Activities January-December 2014

Event-Driven Tasks

There were ten hands-on events held and the continuation of on-going tasks including water-level monitoring in Shelburne, rain garden adoption and maintenance, and water quality monitoring in 2014. Detailed participation data is provided in Table 2.

- Shelburne Rain Barrel Workshop (4/19/2014)
 - Partnered with the Shelburne Natural Resources Committee and the Shelburne Department of Parks and Recreation
 - 45 participants built 32 rain barrels. All participants received outreach materials about rain barrels and stormwater
- University of Vermont Students Provide Maintenance to Rain Gardens (4/30/2014)
 - Five UVM students provided maintenance to the gardens at Landry Park in Winooski and at the Williston Town Hall Annex
- Allen Brook Stream Clean-Up (4/22/2014)
 - Partnered with Williston Central School, 48 children and 4 adults participated in the clean-up and discussion on stormwater and watershed health.
- Connecting the Drops 2.0 Rain Barrel Workshop (6/14/2014)
 - Partnered with Essex Junction's Department of Recreation and Parks, the Towns of Essex and Essex Junction and Lake Champlain Sea Grant to prepare and advertise for the event.
 - 36 participants built 26 rain barrels. All participants received outreach materials about rain barrels and stormwater.
- Volunteer Water Quality Monitoring Training (6/15/2014) and Sampling
 - Interest in the water quality monitoring program was high; 32 people contacted CCST to find out more information about volunteering. Of those who contacted CCST, 15 volunteers participated in the water quality monitoring training session. Sampling occurred on five scheduled dates (6/24, 7/08, 7/22, 8/05, 8/19)
 - Analyzed sampling data was uploaded to the CCST [website](#).
- Rain Barrel Painting and Education with the Winooski Elementary School Summer Environmental Program (6/25/2014)
 - 18 school children and 3 teachers participated in learning about rain barrels and painting rain barrels. The school has installed two of the barrels on their property
- Rain Barrel Decorating at the Essex Junction Block Party for Connecting the Drops 2.0 (7/19/2014)
 - 27 people participated in the rain barrel decorating activity during the Block Party; most also signed up to win a rain barrel.
- Rain Garden Work Days with ECHO Kid's Program (7/30/2014 and 8/7/2014)
 - 14 middle school-aged children worked to pull weeds and plant new rain garden plants at the Coast Guard Station rain garden in Burlington on 7/30/14.
 - 18 elementary school-aged children cleaned out trash, pulled weeds and applied mulch to the Coast Guard Station rain garden in Burlington on 8/07/2014.
- Indian Brook and Pearl Street Park Clean-Up (9/20/2014)
 - Partnered with the Town of Essex



MCM #2
Chittenden County Stream Team
Summary of Activities January-December 2014

- Nine volunteers participated in the clean-up day
- Williston Neighborhood Stormwater Walk (10/26/2014)
 - Partnered with Williston Planning Department
 - 15 residents of the Oneida Acres neighborhood in Williston participated in an education stormwater walk through their neighborhood. Stormwater issues and current strategies to address these issues were discussed. Residents received outreach materials encouraging the installation of rain gardens.
- Adopt-a-Rain Garden
 - On-going volunteer activity: rain garden adopters maintain gardens during spring, fall and summer by ensuring they are functioning properly and weeded/planted as needed. There are currently seven rain garden adopters (3, Burlington, 1 Essex Junction, 2 Williston, 1 South Burlington)
 - Rain Garden Status Information: Landry Park rain garden in Winooski is in need of repair. Callahan Park rain garden in Burlington has a sink hole, but it functions well and has an active volunteer adopter. Farrell Park in South Burlington needs a new adopter. The remaining CCST managed rain gardens are in great shape with active adopters.
 - Donated rain garden plants were planted in the Chamberlin School garden in South Burlington, the Williston Town Hall Annex garden, Landry Park garden in Winooski, and in the Coast Guard Station garden in Burlington. The other gardens did not need additional plants this year. Mulch was applied to these four gardens in 2014.
- Shelburne Longmeadow Flow Monitoring
 - Data collected by a volunteer (Shelburne) was compiled through July 2014
 - Data storage and analysis has been transferred to a member of the Shelburne Natural Resources Committee, CCST ended its participation in the data collection portion of this effort
 - CCST developed a final report on the water-level data collection and project history

The target towns for hands-on participation in 2014 were Essex, Essex Junction and Williston. The target numbers (based on the attached workplan) were met in all three towns. There were a total of 249 event participants in 2014, exceeding the workplan goal of 100 participants. Based on the participation numbers from 2014 and time since CCST has targeted each town, the towns targeted for outreach in 2015 are Shelburne, Burlington and Milton.



MCM #2
Chittenden County Stream Team
Summary of Activities January-December 2014

Table 1: Participation in Outreach Activities

Participation in Outreach Activities											
CCST Participant Town											
Activity	Location	Burlington	South Burlington	Essex	Essex Jct	Milton	Shelburne	Williston	Winooski	Other/ Unkown	Total
Facebook 'Likes'	N/A	37	6	1	2	0	3	3	4	48	104
Website Visits	N/A	334	51	93	0	2	27	64	6	422	877
e-news Mailing List	N/A	44	31	8	28	23	11	22	23	105	295
Green-Up Day	South Burlington	0	25	0	0	0	0	0	0	0	25
5 Corners Farmers Market	Essex Junction	0	2	12	14		0	0	0	1	31
Essex Junction Block Party	Essex Junction	6	0	18	30	0	0	0	0	4	58
Winooski Summer School	Winooski	0	0	0	0	0	0	0	22	0	22
Winooski Farmers Market	Winooski	5	0	0	0	0	0		29	4	38
Oneida Acres Outreach	Williston	0	0	0	0	0	0	38	0	0	38
South Burlington Harvest Festival	South Burlington	1	20	0	0	0	0	4	0	0	25
Total		427	135	132	74	25	41	131	84	584	1513

**Colchester represents a portion of the “other” participants, with 41 Colchester residents engaged with CCST outreach events (See Table 3 for details).

Since participation numbers for Williston and Winooski in 2013 and CCST had not focused on South Burlington in some time, these were the outreach target towns in 2014. Displayed in the table below, 2014 outreach efforts in these towns were a success and all workplan goals were met.. Hands-on events are planned for these 3 towns in 2015.



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Chittenden County Stream Team
Summary of Activities January-December 2014

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

Hands-On Project Participation (Event Driven Tasks)											
CCST Participant Town											
Activity	Location	Burlington	South Burlington	Essex	Essex Jct	Milton	Shelburne	Williston	Winooski	Other/ Unkown	Total
Volunteer Thank You Event	Winooski	2	2	1	0	2	0	1	0	2	10
Shelburne Rain Barrel Workshop	Shelburne	5	4	0	0	0	22	10	3	1	45
UVM Student Rain Garden Maintenance	Williston and Winooski	5	0	0	0	0	0	0	0	0	5
Allen Brook Stream Clean-Up	Williston	0	0	0	0	0	0	52	0	0	52
CtD2.0 Rain Barrel Workshop	Essex Junction	0	0	16	17	0	0	3	0	0	36
Water Quality Monitoring Training	South Burlington	4	4	0	1	0	1	5	0	0	15
Water Quality Monitoring Volunteers	Multiple	6	3	0	1	0	1	3	0	0	14
Rain Barrel Painting/Stormwater Education	Winooski	21	0	0	0	0	0	0	0	0	21
Adopt-A-Rain Garden Maintenance Days	Multiple	2	4	0	3	0	0	1	0	0	10
ECHO Kids Rain Garden Maintenance and Education (2 events)	Burlington	21	0	0	0	0	0	0	11	0	32
Oneida Acres Stormwater Walk	Burlington	0	0	0	0	0	0	15	0	0	15
Indian Brook and Pearl Street Park Clean-Up	Essex	0	0	9	0	0	0	0	0	0	9
Total		66	17	26	22	2	24	90	14	3	264



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Summary of Activities January-December 2014

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								
	Town	Jericho	Richmond	Hinesburg	Charlotte	Colchester	Montpelier	Other Towns
Facebook Likes	N/A	3	0	2	0	4	4	35
Website Activity	N/A	6	0	2	0	25	58	788
Mailing List Members	N/A	2	1	0	1	9	0	92
Outreach at Essex Jct 5 Corners Farmers Market	Essex Jct	0	0	0	0	1	0	0
Outreach at Essex Junction Block Party (CtD 2.0)	Essex Jct	0	0	0	0	0	2	2
Outreach at Winooski Farmers Market	Winooski	0	2	0	0	2	0	0
Shelburne Rain Barrel Workshop	Shelburne	0	0	0	1	0	0	0
	Total	11	3	4	2	41	64	917

Connecting the Drops 2.0

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.

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 CCST to develop a “traveling” version of the Connecting the Drops exhibit to be held in Essex Junction during the summer of 2014. Five professionally-painted rain barrels with informational signage and the Kids VT stormwater story panels were installed at Maple Street Park in Essex Junction on June 9th, 2014. There were two outreach events associated with the CtD 2.0 campaign and a rain barrel workshop. The build-a-rain-barrel workshop was held at Maple Street Park on June 14, 2014 and served to kick off the rain barrel exhibit. The workshop was attended by 36 people who built a total of 26 barrels. CCST provided outreach at the 5 Corners Farmers Market on July 11, 2014 and at the Essex Junction Block Party on July 19, 2014. The artist-decorated rain barrels were given away on stage at the Block Party. Throughout the five weeks that the artist-decorated rain barrels were on display in Maple Park, before the Block party, 71 people applied through the Let it Rain website to win a rain barrel



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Summary of Activities January-December 2014

(Table 4); an additional 36 people signed up during the Block Party for a total of 107 sign-ups. Full reports on the details of the CtD 2.0 and 2013's Connecting the Drops campaign are available and on file with the CCST chairs.

Table 4. Rain Barrel Sign-Ups by Town

Demographics of People who Signed up to Win a Rain Barrel through QR Code	
Town	Number of People
Williston	12
Essex	13
Essex Junction	22
South Burlington	0
Burlington	6
Shelburne	0
Milton	1
Winooski	0
Other	17
TOTAL	71

No town information is available on the 36 people who signed up to win a rain barrel during the Block Party. The 71 people who signed up through the website, did so while the barrels were on display at Maple Street Park

In 2014, RSEP contributed \$2,857.28 to support the operations of CtD2.0. These funds helped compensate the five professional artists (\$1,000), paid for advertising (\$1,729.20) and signage (\$45.00). LCSG contributed 57 hours of in-kind personnel time. The municipal entities of Essex and Essex Junction contributed 10 hours of in-kind labor from interns and 15 hours of staff personnel time for event planning. Kids VT also provided \$750 of in-kind advertising as a sponsor of CtD2.0.

A portion of RSEP's funds went to supplement CCST personnel hours to lead outreach and hands-on events for CtD 2.0. In FY 15, RSEP provided CCST with a grant of \$4,031.16 to support increased staff time to conduct CtD2.0 and to meet additional requests for outreach and hands-on participation in the CCST target communities. CCST staff used 42.5 personnel hours and \$67.65 of mileage to plan and execute CtD2.0. There was a \$38.88 profit on materials for the CtD2.0 rain barrel workshop; participants were charged \$30 for the workshop to cover supply costs. In total, CCST spent \$1,728.77 for the entire CtD 2.0 campaign.

Connecting the Drops 2.0 had a significant impact on CCST's very successful year in 2014. The amount spent by CCST (\$1,728.77) is six percent of CCST's FY15 budget. This relatively small budget percentage had a large impact on the overall participation numbers in 2014. All workplan targets for outreach and event participation in Essex and Essex Junction were exceeded through the CtD 2.0 events. Additionally, the draw of signing up to win a rain barrel at the Essex Junction Block Party brought outreach numbers at a single event higher than any previous CCST numbers, for a total of 58 people reached at the Essex Junction Block party. Not only did these people sign up to win a barrel, but many of them took outreach materials, talked with CCST staff and/or decorated CCST's chalkboard rain barrel. A comparison of participation numbers in Essex and Essex Junction in 2013 and 2014 for equivalent events and interactions is provided below (Table 5). The elevated numbers may be attributed to the increased CCST presence and advertising efforts that occurred through CtD2.0.



MCM #2
Chittenden County Stream Team
Summary of Activities January-December 2014

Table 5. Participation Comparisons in Essex and Essex Junction between 2013 and 2014

A Comparison of Participation in Essex and Essex Junction in 2013-2014								
	e-news		Facebook "likes"		5 Corners Farmers Market		Essex Junction Block Party	
	2013	2014	2013	2014	2013	2014	2013	2014
Essex	14	28	1	2	9	14	10	30
Essex Junction	7	8	0	1	0	12	3	18

Based on the participation numbers from 2013 and 2014, Connecting the Drops is a successful and repeatable strategy to engage target towns in both outreach and hands-on events. The scaled-down version held in Essex and Essex Junction in 2014 helped efficiently meet workplan goals at a small cost.



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BURLINGTON INTERNATIONAL AIRPORT

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Appendix E

Construction General Permits Issued in 2014

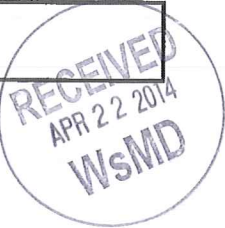
- **Permit #3028—9020.11
Reconstruct Cargo Apron Phase 2 and
Reconstruct Main Apron**
- **Permit #3028-9020.12
Construct, Mark and Light Taxiway “G/K”**

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Notice of Intent (NOI)

for Stormwater Discharges Associated with Construction Activity on
Low Risk Sites

For Department Use Only
NOI Number: 3028-91020-11



Under Vermont Construction General Permit 3-9020

Submission of this completed Notice of Intent (NOI) constitutes notice that the entity in Section A intends to be authorized to discharge pollutants to waters of the State, from the project identified in Section C, under Vermont's Construction General Permit (CGP). Submission of the NOI constitutes notice that the party identified in Section A of this form has read, understands, and meets the eligibility conditions of the CGP; has determined that the project qualifies for coverage as a Low Risk project in conformance with Appendix A of the CGP; agrees to comply with all applicable terms and conditions of the CGP; understands that continued authorization under the CGP is contingent on maintaining eligibility for coverage; and that all applicable practices in the Low Risk Site Handbook for Erosion Prevention and Sediment Control must be implemented and maintained for the duration of construction activities. In order to be granted coverage, all information required on this form must be provided and an application fee of \$50 payable to the State of Vermont must be submitted.

A. Landowner Information

1a. Name: City of Burlington 1b. Contact (if applicable): Heather Kendrew, PE
2. Mailing Address 1200 Airport Drive, #1
a. Street/P.O. Box: _____
b. City/Town: South Burlington c. State: Vermont d. Zip: 05403
3. Contact Information
a. Phone: 802-863-2874 b. Fax: _____ c. Email: hkendrew@btv.aero

B. Principal Operator Information (if known)

1. Name: Heather Kendrew, PE
2. Mailing Address Same as A
a. Street/P.O. Box: _____
b. City/Town: Same as A c. State: Vermont d. Zip: 05403
3. Contact Information
a. Phone: Same as A b. Fax: _____ c. Email: Same as A

C. Application Preparer Information (if applicable)

1a. Name: Jacobs Engineering Group Inc. 1b. Contact (if applicable): John Kirkendall
2. Mailing Address: 2 Executive Park Drive
a. Street/P.O. Box: _____
b. City/Town: Bedford c. State: ~~Vermont~~ NH d. Zip: 03110
3. Contact Information
a. Phone: 603-836-2903 b. Fax: _____ c. Email: john.kirkendall@jacobs.com

See Filing Directions for Low Risk Projects

D. Project Information

1. Project Name: Reconstruct Cargo Apron Phase II; Reconstruct Terminal Apron Phase I

2a. Is this project part of a Common Plan of Development¹? Yes No

2b. If Yes, Name of Development: BTV Capital Improvement Program 2014

3a. Does this project have any previously issued or pending stormwater discharge permits? Yes No

3b. If Yes, Prior NOI Number(s): _____

4. Location Address

a. Street: 1200 Airport Drive b. City/Town: South Burlington

c. Latitude: 44 ° 27 ' 54 " d. Longitude: 73 ° 08 ' 55 " e. County: Chittenden

☞ Use DEC's Waterbody Identification (WBID) ArcGIS webpage ([click here](#)) to answer questions 5 and 6 below.

5. Name of receiving water(s)²: Shelburne Bay Direct Drainage 6. Include a topographic location map.

7. Project Type: Residential Commercial Industrial Other: Airport

8. Total Area of Disturbance: 1.7 acres 9. Description of construction activities to be permitted (below):

Cargo Apron - removal, replacement, and/or resurfacing of 1.15 acres of structural concrete pavement and the removal and replacement in-kind of one catch basin and approximately 150' of associated storm drain pipe on the 890 Ramp (Air Cargo Ramp); Terminal Apron - removal and replacement of .55 acres of structural pavement and the removal and replacement in-kind of the existing storm drainage system (within project limits) on the Terminal Apron.

E. Public Notice Requirement

You must provide a copy of this complete NOI form to the municipal clerk for posting in the municipality in which the project is located. If the project and the related discharge(s) are located in different municipalities, then the completed NOI must be filed with the municipal clerk in each municipality. The municipal clerk must post the completed NOI. In order to be considered complete, you must include the date of posting.

Date of Posting at Municipal Office(s): April 15, 2014

Information for the Municipal Clerk regarding posting instructions can be found on Page 4 of this NOI.

F. Certification Relating to the Accuracy of the Information Submitted

I hereby 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. I also certify that the applicable practices in The Low Risk Site Handbook for Erosion Prevention and Sediment Control will be implemented for the duration of the project for which this NOI is submitted.

Landowner Name: Burlington International Airport, Heather Kendrew, PE Title: Director of Maint., Eng. and Env. Comp.

Signature: *Heather Kendrew* Date: 4/14/14

Principal Operator: _____ Title: _____
(if known)

Signature: _____ Date: _____

Application Preparer: JEG-John Kirkendall, HT-Matthew O'Brien Title: Civil Engineer

(if applicable) Signature: *Matthew O'Brien* Date: 04/09/14 4/14/14

¹ "Common Plan of Development" is defined within the CGP 3-9020, Appendix C - Definitions, page A-12

² "Waters of the State" (i.e. receiving water) is defined within the CGP 3-9020, Appendix C - Definitions, page A-16

For Department Use Only

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION AUTHORIZATION TO DISCHARGE

A determination has been made that the proposed construction activities qualify for coverage under General Permit 3-9020 (amended 2008) as a Low Risk project. Subject to the conditions of General Permit 3-9020 (amended 2008) the applicant is hereby authorized to discharge stormwater runoff from a construction site as described in this Notice of Intent Number 3028-9020.11

Dated this 14th day of May, 2014

David K. Mears, Commissioner Department of Environmental Conservation

By: Padraic Monks
Padraic Monks, Program Manager
Stormwater Program

PUBLIC COMMENT

Public comments concerning this Notice of Intent to discharge under CGP 3-9020 (amended 2008) are invited and must be submitted within 10 days of receipt of this Notice by the Municipal Clerk. Comments should address how the application complies or does not comply with the terms and conditions of CGP 3-9020 (amended 2008). A letter of interest should be filed by those persons who elect not to file comments but who wish to be notified if the comment period is extended or reopened for any reason. All written comments received within the time frame described above will be considered by the Department of Environmental Conservation in its final ruling to grant or deny authorization to discharge under CGP 3-9020 (amended 2008). Send written comments to:

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

Please cite the NOI number in any correspondence.

APPEALS

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 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.

A copy of CGP 3-9020 (amended 2008) may be obtained by calling (802) 828-1535; by visiting the Department at the above address between the hours of 7:45 am and 4:30 pm; or by download from the Watershed Management Division's Web site at: www.vtwaterquality.org.

INFORMATION FOR MUNICIPAL CLERK

10 V.S.A. Chapter 47 §1263(b) provides for the public notice of an applicant's intent to discharge stormwater runoff associated with construction activity. Please post this notice and instruction sheet in a conspicuous place for 10 days from the date received. If you have any questions, contact the Watershed Management Division of the Department of Environmental Conservation at (802) 828-1535.

Submit this form and the \$50 fee to:

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

BURLINGTON INTERNATIONAL AIRPORT

- **Permit #3028-9020.11**
Reconstruct Cargo Apron Phase 2 and
Reconstruct Main Apron

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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

The Notice of Intent for the discharge of stormwater runoff from Low Risk Construction Activity under Construction General Permit (CGP) 3-9020 (Amended 2008) has been authorized. Enclosed are four documents that you will need to maintain compliance with this authorization.

1. Authorized Notice of Intent (NOI)

The authorized NOI for Low Risk Projects is valid for two years from the date of the authorization. If the project will proceed past the automatic termination date, you must reapply for coverage under this or another construction stormwater permit before that time.

2. Notice of Authorization for Posting

The notice of Authorization, which details the authorization and conditions you selected in completion of Appendix A to the CGP, must be posted in a location visible to the public in accordance with Subpart 4.5.C of the CGP. In accordance with subpart 5.1 of the CGP, the project risk score must be re-evaluated prior to any major changes to the construction plan.

3. Low Risk Site Handbook for Erosion Prevention and Sediment Control

Please provide the Principal Operator with the low risk site handbook. This handbook details the practices that must be implemented throughout the construction project to prevent erosion and the discharge of sediment from the construction site. Some practices must be in place before construction begins, so please review the entire handbook before starting the project.

4. Notice of Addition of Co-Permittee

This form must be submitted for every new landowner or principal operator who joins the project, in accordance with Subpart 7.2 of the CGP.

The CGP, copies of pertinent forms, and an electronic version of the Low Risk Site Handbook for Erosion Prevention and Sediment Control are available on the stormwater website at:

http://www.vtwaterquality.org/stormwater/htm/sw_cgp.htm. If you have any questions related to your authorization, please contact the appropriate analyst in the Stormwater District where your project is located. Use our [District Look-up Tool](#) for details.

Sincerely,

Stormwater Management Program

Cc: Co-Permittee/Application Preparer/Designer (if applicable)

Notice of Authorization

Under Vermont Construction General Permit 3-9020
For Low Risk Projects



Project Name:

Notice of Intent Number:

Permittee Name:

Date of Authorization:

Date of Expiration:

The project listed above has received authorization under General Permit 3-9020 to discharge stormwater from the following construction activities:

This authorization includes the following requirements:

1. Implementation of erosion prevention and sediment control practices required by the Low Risk Site Handbook for Erosion Prevention and Sediment Control.
2. All areas of disturbance must have temporary or final stabilization within **14 days** of the initial disturbance. After this time, all disturbed soil must be stabilized at the end of each work day. Between October 15 and April 15 all disturbed soil 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. No more than **2 acres** of land may be disturbed at any one time.
4. No disturbance shall occur within 50 ft upslope of any stream or river, or 100 ft of any lake or pond (except disturbance for the installation of Stormwater treatment facilities or road Stream crossing with no reasonable alternative location).
5. Inspections shall be conducted at least once every (7) calendar days and within twenty-four (24) hours of the end of a storm event resulting in discharge of Stormwater from construction site.
6. 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 take immediate corrective action.
7. If, after completing corrective action, there continues to be a discharge of sediment from the construction site to waters of the State, the permittee shall notify DEC by submitting a report within 72 hours of the discharge.

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 05620-3522
(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).

**Notice of Addition
Of Owners or Operators To Coverage**

Under Vermont Construction General Permit 3-9020



Submission of this completed form constitutes notice that the entity in Section C seeks to be added as a co-permittee to an existing authorization to discharge under Vermont's Stormwater Construction General Permit (CGP) from the project identified in Section A. All landowners and persons who meet the definition of Principal Operator (Subparts 2.1B, 3.1B of the CGP) and who were not included on the original NOI must submit a Notice of Addition form.

A. Project Information

1. Project Name: _____ 2. Notice of Intent Number: _____

B. Original Permittee Information

1. Name: _____

2. Mailing Address:

a. Street/PO Box: _____

b. City/Town: _____ c. State: _____ d. Zip: _____

3. Contact Information

a. Phone: _____ b. Fax: _____ c. Email: _____

C. New Co-Permittee Information

Check one or both: New Landowner New Principal Operator

1. Name: _____

2. Business Name: _____

3. Mailing Address:

a. Street/PO Box: _____

b. City/Town: _____ c. State: _____ d. Zip: _____

4. Contact Information

a. Phone: _____ b. Fax: _____ c. Email: _____

D. Request for Addition as Co-Permittee

I hereby request that the entity in Section C be added as co-permittee to the existing authorization to discharge stormwater from construction activities stated in Section A. In requesting co-permittee status, I hereby certify under the penalty of law that I have read, understand, and meet the eligibility conditions of the CGP; that I agree to comply with all applicable terms and conditions of the CGP; that I understand that continued authorization under the CGP is contingent on maintaining eligibility for coverage, and that the applicable practices in the authorized Erosion Prevention and Sediment Control Plan must be implemented and maintained for the duration of the construction activities. I agree to comply with all applicable terms and conditions of the General Permit 3-9020.

Signature: _____ Date: _____

Submit Original Form to:
VT DEC, Watershed Management Division
1 National Life Drive, Main 2
Montpelier, VT, 05620-3522

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BURLINGTON INTERNATIONAL AIRPORT

**Permit #3028-9020.12
Construct, Mark and Light Taxiway "G/K"**

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Received July 21, 2014 AKC

Notice of Intent (NOI)for Stormwater Discharges Associated with
Construction Activity on**Low Risk Sites**

Under Vermont Construction General Permit 3-9020

For Department Use Only

NOI Number: 3028-9020.12



Submission of this completed Notice of Intent (NOI) constitutes notice that the entity in Section A intends to be authorized to discharge pollutants to waters of the State, from the project identified in Section C, under Vermont's Construction General Permit (CGP). Submission of the NOI constitutes notice that the party identified in Section A of this form has read, understands, and meets the eligibility conditions of the CGP; has determined that the project qualifies for coverage as a Low Risk project in conformance with Appendix A of the CGP; agrees to comply with all applicable terms and conditions of the CGP; understands that continued authorization under the CGP is contingent on maintaining eligibility for coverage; and that all applicable practices in the Low Risk Site Handbook for Erosion Prevention and Sediment Control must be implemented and maintained for the duration of construction activities. In order to be granted coverage, all information required on this form must be provided and an application fee of **\$50** payable to the State of Vermont must be submitted.

A. Landowner Information

1a. Name: City of Burlington 1b. Contact (if applicable): Heather Kendrew, P.E.

2. Mailing Address 1200 Airport Drive, #1

a. Street/P.O. Box: _____

b. City/Town: South Burlington c. State: Vermont d. Zip: 05403

3. Contact Information

a. Phone: (802) 863-2874 b. Fax: _____ c. Email: hkendrew@btv.aero

B. Principal Operator Information (if known)

1. Name: Heather Kendrew, P.E.

2. Mailing Address Same as A

a. Street/P.O. Box: _____

b. City/Town: Same as A c. State: Vermont d. Zip: _____

3. Contact Information

a. Phone: Same as A b. Fax: _____ c. Email: _____

C. Application Preparer Information (if applicable)

1a. Name: Todd F. Duguay, P.E. 1b. Contact (if applicable): _____

2. Mailing Address: 55 Green Mountain Drive

a. Street/P.O. Box: _____

b. City/Town: South Burlington c. State: Vermont d. Zip: 05403

3. Contact Information

a. Phone: (802) 864-0223 b. Fax: _____ c. Email: todd.duguay@stantec.com

See Filing Directions for Low Risk Projects

D. Project Information

1. Project Name: Construct, Mark and Light Taxiway "G"/"K"

2a. Is this project part of a Common Plan of Development¹? Yes No

2b. If Yes, Name of Development: _____

3a. Does this project have any previously issued or pending stormwater discharge permits? Yes No

3b. If Yes, Prior NOI Number(s): _____

4. Location Address

a. Street: Airport Drive b. City/Town: South Burlington

c. Latitude: 44 ° 28 ' 57 " d. Longitude: 73 ° 09 ' 17 " e. County: Chittenden

➡ Use DEC's Waterbody Identification (WBID) ArcGIS webpage ([click here](#)) to answer questions 5 and 6 below.

5. Name of receiving water(s)²: Wetland contiguous to Muddy Brook 6. Include a topographic location map.

7. Project Type: Residential Commercial Industrial Other: Taxiway Construction

8. Total Area of Disturbance: 9.89 acres 9. Description of construction activities to be permitted (below):
This project consists of the construction of a new 50' wide taxiway with 25' wide shoulders, beginning at the Taxiway "C"/"K" intersection and extending northerly approximately 1,525 linear feet, to connection to Taxiway "B". Work required for this construction includes excavation, crushed aggregate base course, bituminous concrete pavement, taxiway edge lighting, signage, pavement markings, drainage improvements, erosion prevention and sediment control, site restoration and ancillary appurtenances.

E. Public Notice Requirement

You must provide a copy of this complete NOI form to the municipal clerk for posting in the municipality in which the project is located. If the project and the related discharge(s) are located in different municipalities, then the completed NOI must be filed with the municipal clerk in each municipality. The municipal clerk must post the completed NOI. In order to be considered complete, you must include the date of posting.

Date of Posting at Municipal Office(s): 7/18/14

Information for the Municipal Clerk regarding posting instructions can be found on **Page 4** of this NOI.

F. Certification Relating to the Accuracy of the Information Submitted

I hereby 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. I also certify that the applicable practices in The Low Risk Site Handbook for Erosion Prevention and Sediment Control will be implemented for the duration of the project for which this NOI is submitted.

City of Burlington, Burlington International Airport; Director of Maintenance, Engineering and Environmental Compliance

Landowner Name: Heather Kendrew, PE Title: _____

Signature:  Date: 7/17/2014

Principal Operator: Same as above Title: _____

(if known) Signature:  Date: 7/18/14

Application Preparer: Todd F. Duguay, P.E. Title: Senior Project Engineer, Transportation

(if applicable) Signature: _____ Date: _____

¹"Common Plan of Development" is defined within the CGP 3-9020, Appendix C – Definitions, page A-12

²"Waters of the State" (i.e. receiving water) is defined within the CGP 3-9020, Appendix C – Definitions, page A-16

For Department Use Only

VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION AUTHORIZATION TO DISCHARGE

A determination has been made that the proposed construction activities qualify for coverage under General Permit 3-9020 (amended 2008) as a Low Risk project. Subject to the conditions of General Permit 3-9020 (amended 2008) the applicant is hereby authorized to discharge stormwater runoff from a construction site as described in this Notice of Intent Number 3028.12 -9020.

Dated this 4th day of September, 2014

David K. Mears, Commissioner Department of Environmental Conservation

By: Padraic Monks
Padraic Monks, Program Manager
Stormwater Program

PUBLIC COMMENT

Public comments concerning this Notice of Intent to discharge under CGP 3-9020 (amended 2008) are invited and must be submitted within 10 days of receipt of this Notice by the Municipal Clerk. Comments should address how the application complies or does not comply with the terms and conditions of CGP 3-9020 (amended 2008). A letter of interest should be filed by those persons who elect not to file comments but who wish to be notified if the comment period is extended or reopened for any reason. All written comments received within the time frame described above will be considered by the Department of Environmental Conservation in its final ruling to grant or deny authorization to discharge under CGP 3-9020 (amended 2008). Send written comments to:

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

Please cite the NOI number in any correspondence.

APPEALS

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 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.

A copy of CGP 3-9020 (amended 2008) may be obtained by calling (802) 828-1535; by visiting the Department at the above address between the hours of 7:45 am and 4:30 pm; or by download from the Watershed Management Division's Web site at: www.vtwaterquality.org.

INFORMATION FOR MUNICIPAL CLERK

10 V.S.A. Chapter 47 §1263(b) provides for the public notice of an applicant's intent to discharge stormwater runoff associated with construction activity. Please post this notice and instruction sheet in a conspicuous place for 10 days from the date received. If you have any questions, contact the Watershed Management Division of the Department of Environmental Conservation at (802) 828-1535.

Submit this form and the \$50 fee to:

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

Notice of Authorization

Under Vermont Construction General Permit 3-9020
For Low Risk Projects



**Project Name: Construct, Mark and Light
taxiway "G"/"K"**

Notice of Intent Number: 3028-9020.12

Permittee Name: City of Burlington

Date of Authorization: 09/04/2014

Date of Expiration: 09/04/2016

The project listed above has received authorization under General Permit 3-9020 to discharge stormwater from the following construction activities: This project consists of the construction of a new 50' wide taxiway with 25' wide shoulders, beginning at the Taxiway "C"/"K" intersection and extending northerly approximately 1,525 linear feet, to connection to Taxiway "B". Work required for this construction includes excavation, crushed aggregate base course, bituminous concrete pavement, taxiway edge lighting, signage, pavement markings, drainage improvements, erosion prevention and sediment control, site restoration and ancillary appurtenances.

This authorization includes the following requirements:

1. Implementation of erosion prevention and sediment control practices required by the Low Risk Site Handbook for Erosion Prevention and Sediment Control.
2. All areas of disturbance must have temporary or final stabilization within **7 days** of the initial disturbance. After this time, all disturbed soil must be stabilized at the end of each work day. Between October 15 and April 15 all disturbed soil 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. No more than **7 acres** of land may be disturbed at any one time.
4. All Discharges of Stormwater must pass through at least 50 ft of vegetated buffer before reaching receiving waters.
5. No disturbance shall occur within 50 ft upslope of any stream or river, or 100 ft of any lake or pond (except disturbance for the installation of Stormwater treatment facilities or road Stream crossing with no reasonable alternative location).
6. Inspections shall be conducted at least once every (7) calendar days and within twenty-four (24) hours of the end of a storm event resulting in discharge of Stormwater from construction site.
7. 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 take immediate corrective action.
8. If, after completing corrective action, there continues to be a discharge of sediment from the construction site to waters of the State, the permittee shall notify DEC by submitting a report within 72 hours of the discharge.

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 05620-3522
(802) 828-1535**

[See Below 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).

BURLINGTON INTERNATIONAL AIRPORT

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

April 1, 2015

Appendix F

**Operational Stormwater Discharge Permits
Issued in 2014**

None Issued

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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, 2014

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-INDS.A (Taxiways 'B', 'C', 'J', and 'G')**
- **Permit No. 3028-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33)**
 - **Permit No. 3845-INDS.A (Heritage Flight)**
 - **Permit No. 3028-9015.1 (Quarry Area Access Road)**
 - **Permit No. 3028-INDS.s (Sewage Receiving Station)**

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BURLINGTON INTERNATIONAL AIRPORT

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

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VERMONT

Vermont Department of Environmental Conservation
Water Quality Division
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

RECEIVED

JAN 04 2010

STANTEC
SOUTH BURLINGTON, VT

Agency of Natural Resources

[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

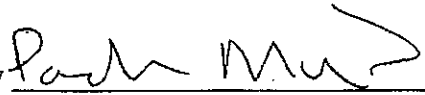
serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court 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

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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-INDS.A (Taxiways 'B', 'C', 'J', and 'G')

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Vermont Department of Environmental Conservation
Water Quality Division
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

Agency of Natural Resources

[phone] 802-241-3770
[fax] 802-241-3287

September 13, 2010

City of Burlington, BTV International Airport
Robert McEwing / Heather Kendrew
1200 Airport Drive, #1
South Burlington, VT 05403

RECEIVED

SEP 14 2010

STANTEC
SOUTH BURLINGTON, VT

Re: Discharge Permit # 3028-INDS.A

Dear Mr. McEwing and Ms. Kendrew,

Enclosed is your copy of Discharge Permit #3028-INDS.A which has been signed by the Program Manager of the Stormwater Management Section on behalf of the Commissioner of the Department of Environmental Conservation.

The amended permit authorizes the discharge of treated 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 in South Burlington, to Muddy Brook and a Class 2 wetland contiguous to Potash Brook. Stormwater Discharge Permit #3028-INDS.A amends and replaces the previously issued Stormwater Discharge permit (3028-INDS) issued for this project. This amended permit incorporates a project change that resulted in an increase of 0.91 acres of impervious surface in the Muddy Brook watershed (Drainage Area S/N 001).

Please read this permit carefully and note the inspection, maintenance, and reporting requirements, and other operating conditions including operating fees. A billing statement for payment of annual operating fees will be sent at a later date.

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, please call me at (802) 241- 1418.

Sincerely,



Environmental Analyst
Stormwater Section

Enclosures

cc: ✓ Greg Goyette, P.E., Stantec
Peter Keibel, Act 250 District Coordinator, Essex

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 and 1264a, the Stormwater Management Rule for Stormwater-Impaired Waters, the Stormwater Management Rule, 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: 20.33 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, #1, in South Burlington, Vermont. Stormwater from the project discharges to Muddy Brook and a Class 2 wetland contiguous to Potash Brook. Stormwater Discharge Permit #3028-INDS.A amends and replaces the previously issued stormwater Discharge permit (3028-INDS) issued for this project. This amended permit incorporates a project change that resulted in an increase of 0.91 acres of impervious surface in the Muddy Brook watershed (Drainage Area S/N 001).

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 Use 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 Stormwater Management Rule For Stormwater Impaired Waters. The permittee shall provide a copy of the recording to the Secretary 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 Secretary. 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: Muddy Brook (S/N 001) and a Class 2 Wetland contiguous to Potash Brook (S/N 002).
8. 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.

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 2 wetland contiguous to Potash Brook.

9. Wastes Permitted: Stormwater runoff from S/N 001 and S/N 002 after treatment in 4 grass channels and via sheet flow in compliance with 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.

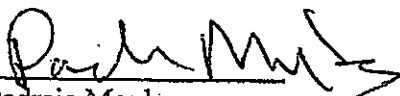
12. Maintenance and Maintenance Reporting Requirements:
 - a. The basins, swales, and related stormwater collection, treatment and control system shall be maintained in good operating condition at all times and shall be inspected annually and cleaned as necessary to maintain design specifications. The inspections shall be conducted between the conclusion of spring snow melt and June 15th of each year.

- b. Any sediment removed from the swales or basins 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 a written report to the Department of Environmental Conservation, Water Quality Division, Building 10 North, 103 South Main Street, Waterbury, Vermont 05671-0408. This report shall include, at a minimum:**
 - i. for the first report, an inspection and verification that the project was built in compliance with the Approved Project Design per #11 above;
 - ii. the dates and details of any cleaning and maintenance operations carried out in the preceding year;
 - iii. a narrative summarizing the results of any inspections conducted in the preceding year and highlighting any stormwater related problems encountered, and all remedial steps taken in response;
 - d. Should any erosional problems occur, the permittee is required to immediately correct any such problems.
 - e. Any basins, swales, 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: In order to meet the statutory standard for new discharges set forth in 10 V.S.A. §1264a and the Stormwater Management Rule for Stormwater Impaired Waters, the permittee has demonstrated that the project area located in the Potash Brook watershed 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. This portion of the project achieves a net reduction in sediment loading to Potash Brook of 3,466 pounds per year .
14. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #12 above.
15. Monitoring and Reporting Requirement: No monitoring required; reporting requirement as specified in #12 above.
16. 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.
17. 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.

18. 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. address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. # 802-828-1660).
19. Dated at Waterbury, VT this 13th day of September, 2010

Justin G. Johnson, Commissioner
Department of Environmental Conservation

By 
Padraic Monks
Stormwater Program Manager
Water Quality Division

**AGENCY OF NATURAL RESOURCES
STORMWATER MANAGEMENT PROGRAM**

APPLICATION FOR TRANSFER

An individual stormwater discharge permit or authorization to discharge under a general stormwater discharge permit is not transferable without the prior written approval of the Secretary of the Agency of Natural Resources. This Application for Transfer must be submitted at least five (5) days prior to the proposed date of transfer. All applicable fees under 3 V.S.A. §2822 must be paid before the Secretary will approve any transfer.

Please provide the following information:

1. Stormwater Discharge Permit No. or Notice of Intent No. (for proposed transfer of an Authorization to Discharge under a General Permit): _____
2. Name, Address and Phone Number of Current Permittee(s):

3. Name, Address and Phone Number of Prospective Permittee(s):

4. Proposed date of transfer: _____
5. Provide a statement signed by the prospective permittee(s) that:
 - a. the conditions of the facility operation that contribute to, or affect, the stormwater discharge will not be materially different under the new ownership;
 - b. the prospective permittee has read and is familiar with the terms of the individual stormwater discharge permit or the authorization to discharge and general permit, and agrees to comply with all of the terms and conditions of the individual stormwater discharge permit or the authorization to discharge and general permit, whichever is applicable;
 - c. the prospective permittee(s) has adequate funding or other means to effect compliance with the terms and conditions of the individual stormwater discharge permit or the authorization to discharge and general permit, whichever is applicable.

6. Signatures:

Name of Current Permittee(s): _____

Signature and Title of Authorized Representative(s) _____

Date _____

Name of Prospective Permittee(s): _____

Signature and Title of Authorized Representative(s) _____

Date _____

This Application for Transfer is hereby approved by the Secretary of the Agency of Natural Resources.

Signature: _____

Title: _____

Date: _____

BURLINGTON INTERNATIONAL AIRPORT

Permit No. 3028-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33)

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VERMONT

Vermont Department of Environmental Conservation
Water Quality Division
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

Agency of Natural Resources

[phone] 802-241-3770
[fax] 802-241-3287

May 14, 2010

Heather Kendrew
City of Burlington
Burlington International Airport
1200 Airport Drive, #1
South Burlington, VT 05403

RECEIVED
MAY 17 2010
STANTEC
SOUTH BURLINGTON, VT

Re: Discharge Permit # 3028-INDS.1

Dear Heather:

Enclosed is your copy of Discharge Permit # 3028-INDS.1 which has been signed by the Director of Water Quality Division on behalf of the Commissioner of the Department of Environmental Conservation.

The permit authorizes the discharge of treated stormwater runoff from your proposed project, BTV Reconstruct, Mark & Groove Runway 15-33; AIP No. 3-50-0005-XX 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.

Please read this permit carefully and note the inspection, maintenance, and reporting requirements, and other operating conditions including operating fees. 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, please call me at (802) 241- 1418.

Sincerely,

Kevin Burke
Environmental Analyst
Stormwater Section

Enclosures

cc: Todd F. Duguay, EIT, Stantec Consulting Services, Inc.
Peter Keibel, Act 250 District Coordinator, Essex

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 and the Stormwater Management Rule and in accordance with "Terms and Conditions" hereinafter specified,

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

the permittee, is hereby granted permission to discharge stormwater runoff from the Burlington International Airport; BTV Reconstruct, Mark & Groove Runway 15-33; AIP No. 3-50-0005-XX, located in South Burlington, Vermont. Stormwater from the project discharges 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.

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 Use 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 §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Secretary 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 Secretary. 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: 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.

8. 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.

9. Wastes Permitted: Stormwater runoff from S/N 001 through S/N 006 after treatment via disconnected overland flow, dry swale, and underground detention/infiltration areas.
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 Services, Inc. and plans drawn by Hoyle, Tanner & Associates, Inc.: (Sheets G1.3, TS1.1, TS1.2, TS1.3, GR1.1, GR1.2, GR1.3, GR1.4, GR1.5, GR1.6, GR1.7, GR1.8, DR1.1, DR1.2, DR1.3, PD1.1, PD1.2, PD1.3, PD2.1, PD2.2, PD2.3, all dated March 2010; and all supporting information).

By reference, the above noted plans are made a part of this permit.

12. Maintenance and Maintenance Reporting Requirements:

- a. The detention/infiltration areas, swales, disconnection areas, 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 detention/infiltration areas, swales, disconnection areas, 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 a written report to the Department of Environmental Conservation, Water Quality Division, Building 10 North, 103 South Main Street, Waterbury, Vermont 05671-0408. This report shall include, at a minimum:**
 - i. for the first report, an inspection and verification that the project was built in compliance with the Approved Project Design per #11 above;
 - ii. the dates and details of any cleaning and maintenance operations carried out in the preceding year;
 - iii. a narrative summarizing the results of any inspections conducted in the preceding year and highlighting any stormwater related problems encountered, and all remedial steps taken in response;
- d. Should any erosional problems occur, the permittee is required to immediately correct any such problems.
- e. Any detention areas, basins, swales, 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. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #12 above.

14. Monitoring and Reporting Requirement: No monitoring required; reporting requirement as specified in #12 above.

15. Other Requirements:

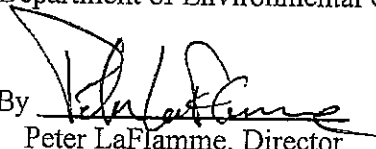
- a. Treated stormwater runoff is the only waste authorized for disposal under the terms and conditions of this permit. The discharge of any hazardous materials or hazardous waste into the stormwater management system is prohibited.

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.

16. 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. address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. # 802-828-1660).

17. Dated at Waterbury, VT this 14th day of May, 2010

Justin G. Johnson, Commissioner
Department of Environmental Conservation

By 
Peter LaFlamme, Director
Water Quality Division

**AGENCY OF NATURAL RESOURCES
STORMWATER MANAGEMENT PROGRAM**

APPLICATION FOR TRANSFER

An individual stormwater discharge permit or authorization to discharge under a general stormwater discharge permit is not transferable without the prior written approval of the Secretary of the Agency of Natural Resources. This Application for Transfer must be submitted at least five (5) days prior to the proposed date of transfer. All applicable fees under 3 V.S.A. §2822 must be paid before the Secretary will approve any transfer.

Please provide the following information:

1. Stormwater Discharge Permit No. or Notice of Intent No. (for proposed transfer of an Authorization to Discharge under a General Permit): _____
2. Name, Address and Phone Number of Current Permittee(s):
3. Name, Address and Phone Number of Prospective Permittee(s):
4. Proposed date of transfer: _____
5. Provide a statement signed by the prospective permittee(s) that:
 - a. the conditions of the facility operation that contribute to, or affect, the stormwater discharge will not be materially different under the new ownership;
 - b. the prospective permittee has read and is familiar with the terms of the individual stormwater discharge permit or the authorization to discharge and general permit, and agrees to comply with all of the terms and conditions of the individual stormwater discharge permit or the authorization to discharge and general permit, whichever is applicable;
 - c. the prospective permittee(s) has adequate funding or other means to effect compliance with the terms and conditions of the individual stormwater discharge permit or the authorization to discharge and general permit, whichever is applicable.

6. Signatures:

Name of Current Permittee(s): _____

Signature and Title of Authorized Representative(s) _____

Date _____

Name of Prospective Permittee(s): _____

Signature and Title of Authorized Representative(s) _____

Date _____

This Application for Transfer is hereby approved by the Secretary of the Agency of Natural Resources.

Signature: _____

Title: _____

Date: _____

BURLINGTON INTERNATIONAL AIRPORT

Permit No. 3845-INDS.A (Heritage Flight)

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Vermont Department of Environmental Conservation

Water Quality Division
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

Agency of Natural Resources

[phone] 802-241-3770
[fax] 802-241-3287

February 9, 2010

Heritage Flight
c/o Christopher Hill
265 Aviation Avenue
South Burlington, VT 05403

Re: Discharge Permit # 3845-INDS.A

Dear Mr. Hill:

Enclosed is your copy of Discharge Permit # 3845-INDS.A which has been signed by the Director of Water Quality Division on behalf of the Commissioner of the Department of Environmental Conservation.

The permit authorizes the discharge of treated stormwater runoff from your proposed project, the Heritage Flight Aviation Campus Expansion project located at Burlington International Airport in South Burlington, Vermont. Stormwater from the project discharges to a class 2 wetland contiguous with Muddy Brook. This permit amends and replaces previously issued discharge permit 3845-INDS. The amended permit accounts for permit coverage of an additional 0.12 acres of new impervious surface associated with a fuel farm and ADF tank pad expansion at the same Heritage Flight Aviation Campus at the Burlington International Airport.

Please read this permit carefully and note the inspection, maintenance, and reporting requirements, and other operating conditions including operating fees.

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, please call me at (802) 241-1418.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Burke".

Kevin Burke
Environmental Analyst
Stormwater Section

Enclosures

cc: Greg Goyette, Stantec, Inc.
Peter Keibel, Act 250 District Coordinator, Essex

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 and the Stormwater Management Rule and in accordance with "Terms and Conditions" hereinafter specified,

Heritage Flight
265 Aviation Avenue
South Burlington, VT 05403
(Impervious area: 2.03 acres)

the permittee, is hereby granted permission to discharge stormwater runoff from the Heritage Flight Aviation Campus Expansion project located at Burlington International Airport in South Burlington, Vermont. Stormwater from the project discharges to a class 2 wetland contiguous with Muddy Brook. This permit amends and replaces previously issued discharge permit 3845-INDS. The amended permit accounts for permit coverage of an additional 0.12 acres of impervious surface associated with a fuel farm and ADF tank pad expansion at the same Heritage Flight Aviation Campus at the Burlington International Airport.

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 Use 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 §18-312 of Stormwater Management Rule. The permittee shall provide a copy of the recording to the Secretary 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 Secretary. 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 2 wetland contiguous with Muddy Brook.
8. 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.

9. Wastes Permitted: Stormwater runoff from S/N 001 through S/N 002 of the Heritage Flight Aviation Campus Expansion project after treatment from bioretention and dry detention basins in accordance with the manner of discharge specified in #8 above.

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, Inc. and drawn by Truexcullins: (Sheet GP1, dated June 13, 2008; Sheet DD-1, dated June 13, 2008; Sheet DD-2, dated June 13, 2008; Sheet SK-C-13 (LP-1), dated October 22, 2009; and all supporting information).
- By reference, the above noted plans are made a part of this permit.
12. Maintenance and Maintenance Reporting Requirements:
- a. The 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 bioretention system, basins, or 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 a written report** to the Department of Environmental Conservation, Water Quality Division, Building 10 North, 103 South Main Street, Waterbury, Vermont 05671-0408. This report shall include, at a minimum:
 - i. for the first report, an inspection and verification that the project was built in compliance with the Approved Project Design per #11 above;
 - ii. the dates and details of any cleaning and maintenance operations carried out in the preceding year;
 - ii. a narrative summarizing the results of any inspections conducted in the preceding year and highlighting any stormwater related problems encountered, and all remedial steps taken in response;
 - d. Should any erosional 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. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #12 above.

14. Monitoring and Reporting Requirement: No monitoring required; reporting requirement as specified in #12 above.

15. Other Requirements:

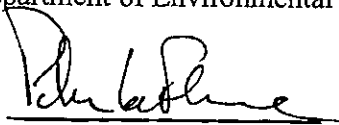
a. Treated stormwater runoff is the only waste authorized for disposal under the terms and conditions of this permit. The discharge of any hazardous materials or hazardous waste into the stormwater management system is prohibited.

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.

16. 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. address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. # 802-828-1660).

17. Dated at Waterbury, VT this 9th day of February, 2010

Justin G. Johnson, Commissioner
Department of Environmental Conservation

By 
Peter LaFlamme, Director
Water Quality Division

**AGENCY OF NATURAL RESOURCES
STORMWATER MANAGEMENT PROGRAM**

APPLICATION FOR TRANSFER

An individual stormwater discharge permit or authorization to discharge under a general stormwater discharge permit is not transferable without the prior written approval of the Secretary of the Agency of Natural Resources. This Application for Transfer must be submitted at least five (5) days prior to the proposed date of transfer. All applicable fees under 3 V.S.A. §2822 must be paid before the Secretary will approve any transfer.

Please provide the following information:

1. Stormwater Discharge Permit No. or Notice of Intent No. (for proposed transfer of an Authorization to Discharge under a General Permit): _____
2. Name, Address and Phone Number of Current Permittee(s):
3. Name, Address and Phone Number of Prospective Permittee(s):
4. Proposed date of transfer: _____
5. Provide a statement signed by the prospective permittee(s) that:
 - a. the conditions of the facility operation that contribute to, or affect, the stormwater discharge will not be materially different under the new ownership;
 - b. the prospective permittee has read and is familiar with the terms of the individual stormwater discharge permit or the authorization to discharge and general permit, and agrees to comply with all of the terms and conditions of the individual stormwater discharge permit or the authorization to discharge and general permit, whichever is applicable;
 - c. the prospective permittee(s) has adequate funding or other means to effect compliance with the terms and conditions of the individual stormwater discharge permit or the authorization to discharge and general permit, whichever is applicable.

6. Signatures:

Name of Current Permittee(s): _____

Signature and Title of Authorized Representative(s) _____

Date _____

Name of Prospective Permittee(s): _____

Signature and Title of Authorized Representative(s) _____

Date _____

This Application for Transfer is hereby approved by the Secretary of the Agency of Natural Resources.

Signature: _____

Title: _____

Date: _____

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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.

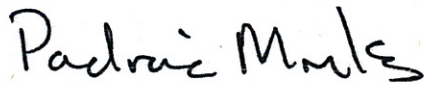
- i. Unless previously submitted by the permittee(s) under a previously issued authorization or discharge permit, the first report shall include an inspection and designer's certification that the project was built in compliance with the Approved Project Design per #11 above;
- ii. A description of any 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, 2014

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)	
REMOVE SEDIMENT: 1. S1.016.1 = 12" inside, north service road near Hotel	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 003 (Westerly of Runway 15 End Overrun)	
1. Catch basins S1.002 and S1.002.1 are buried and need to be excavated and frames and grates brought to grade	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 004 (Sand Filter near Gate #2)	
1. S1.016.2.1 cleanout covers in the TRAP sand filter are covered over	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 007 (Westerly side of Aviation Support Hangar)	
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 1-1391 S/N 001 (South Terminal Apron and T/W 'A')	
REMOVE SEDIMENT: 1. S2.028.7 = 18"+ inside, near swirl chamber south end of PAX ramp	30 Sep 2015
2. S2.020, PO05 inside below grounds maintenance shop is overgrown as to impede access to the site.	30 Sep 2015

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')	
REMOVE SEDIMENT: 1. S2.002 inside near ground maintenance shop	30 Sep 2015
1. The bank is sloughing onto S2.003	30 Sep 2015

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')	
REMOVE SEDIMENT: 1. S4.013 = 30"+ inside, near glycol field, edge of 15-33 2. S4.014 = 24" + inside, near glycol field, edge of 15-33 3. S4.015 = 10" inside, north of glycol field, edge of 15-33	30 Sep 2015

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 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 002 (along T/W 'F' and National Guard Avenue)	
REMOVE SEDIMENT: 1. S6.010.2 = 18" inside, north of north arm/de-arm pad, VTANG 2. S6.019.5 = 36"+ inside, VTANG side of field 3. S6.023 = 18" inside, near the NE side of 1-19 turnaround	30 Sep 2015
BRUSH ISSUES: 1. S6.022 remove saplings from discharge apron	30 Sep 2015
MISCELLANEOUS: 1. Install a stone discharge apron, Discharge Point NG002N=S6.008	30 Sep 2015

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')	
1. None required.	N/A

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.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3845-INDS.A S/N 002 (Heritage Flight Facility campus)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 6-0084 (Aircraft Deicing Fluid Runoff, South End Development, Phase 2)	
1. None required.	N/A

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)	
REMOVE SEDIMENT: 1. S2.035 = 24"+ inside, south of TEE hangar	30 Sep 2015
LAWN ISSUES: (remove sod from grate) 1. S3.035 inside, SW corner of the Valley	30 Sep 2015

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 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. S1.026 = 15" inside at northerly end of PAX ramp 2. S1.034 = 13" inside at southerly end of PAX ramp trench 3. S1.035 = 14" inside at southerly end of PAX ramp trench 4. S1.036 = 9" inside at southerly end of PAX ramp trench	30 Sep 2015
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. Remove and reset screws from covers S1.025.0 and S1.025.2.0.	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 11. (FAA Tower and other parking areas)	
REMOVE SEDIMENT: 1. S1.052.2 = 14" inside FAA compound	30 Sep 2015

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 2015

There are several types of construction and maintenance activities in the recommendations below. Some items such as the retention basin referenced in the item immediately below will need a contractor to do the work, it is well beyond any normal maintenance crew activity. Other items include brush removal, chainsaw work, placement of stone fill at culvert outlets, and sediment removal. General site cleanup and sod removal could be done by any crew. Another item to consider, if the trash cannot be removed from the swirl chamber in the carwash area from outside, it may require a confined space entry permit, I am not sure.

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. Remove sediment from attenuation basin and restore banks.	30 Sep 2015
2. Restore attenuation basin inlet pipe.	30 Sep 2015
3. Restore attenuation basin overflow structure.	30 Sep 2015
4. Restore attenuation basin outlet pipe.	30 Sep 2015
5. Remove trash from inside swirl chamber at rental parking lot	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 001 (Swirl Chamber in Carwash Area)	
1. S1.048.1 rim grout has been shattered.	30 Sep 2015

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	30 Sep 2015
CULVERTS: 1. S1.071 and S1.072 needs cleaning inside and at aprons, long term parking lot.	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 004 (Sand Filter near Gate #2)	
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 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 005 (Pratt and Whitney)	
REMOVE SEDIMENT: 1. S3.008 is very deep but may need cleaning, outside fence, west of Valley West ramp S3.009.0 is very deep but may need cleaning, outside fence, west of Valley West ramp	30 Sep 2015
LAWN ISSUES: (remove sod from grate) 1. S3.010.4 outside at P/W parking lot	30 Sep 2015

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 2015 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	30 Sep 2015

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 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	30 Sep 2015

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 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 2015
MISCELLANEOUS: 1. Continue to monitor the porous pavement parking lot for continued cracking, potholes, and materials being scraped off during plowing, etc.	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 2. (Along Williston Road)	
1. None required.	30 Sep 2015

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 2015
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 2015
MISCELLANEOUS: 1. Fill in and add stone discharge apron, discharge point MU05.	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 4. (Valley Road, south side of the Valley)	
CULVERT: 1. S3.038 to be cleaned and restored, located on gravel road outside the Valley (restore discharge end, currently buried beneath soil)	30 Sep 2015
BRUSH ISSUES: (remove brush from inlet and discharge areas) 1. S3.039 outside west of gravel road, south of the Valley 2. S3.040 outside west of gravel road, south of the Valley	30 Sep 2015
MISCELLANEOUS: 1. The ground is sinking around S3.034, outside west of gravel road, south of the Valley.	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 6. (vicinity of Building 6)	
1. None required.	30 Sep 2015

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 North parking garage	30 Sep 2015

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 = 17" outside in car wash parking area 2. S1.047.3.1 = 12" outside at parking garage exit booths 3. S1.047.3.2 = 12" outside at parking garage exit booths 4. S1.047.3.4 = 16" outside near entrance to carwash area	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 12. (Parking lot, FAA Tower, Passenger loading area)	
REMOVE SEDIMENT: 1. S1.060.2 = 12" outside on Terminal Drive 2. S1.064.2.1 = 16" outside near Building 6 3. S1.064.3 = 24"+ outside in front of Building 6 4. S1.068 = 12" outside in front of south parking garage	30 Sep 2015
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 2015

MISCELLANEOUS: 1. S1.062 has loose bricks below the frame on the terminal side of the structure.	30 Sep 2015
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PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 13. (Grounds Maintenance Garage and Aviatron)	
REMOVE SEDIMENT: 1. S3.006 = 12" outside next to Aviatron	30 Sep 2015
LAWN ISSUES: (remove sod from grate) 1. S3.006 outside at Aviatron	30 Sep 2015

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-9015.1 S/N 002 (Quarry Area Access Road)	
1. Restore vegetative growth on southerly slope.	30 Sep 2015
2. Continue to monitor ditch lines for washouts or sediment/	30 Sep 2015