



**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-INDS.2 (Burlington Aviation Technical Center and Vermont Flight Academy)
- Permit No. 3028-9015.1 (Quarry Area Access Road)
- Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station)

**April 1, 2014**

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## **1.0 CONSOLIDATION OF REPORTING**

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The City of Burlington, Burlington International Airport (herein referred to as BTV) currently is subject to nine 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)*. A summary of updated stormwater permits since the last reporting period is as follows:

- One additional operational Stormwater Discharge Permit was issued to BTV in 2013 for the Aircraft Sewage Receiving Station (Permit No. 3028-INDS.3). Construction on the Aircraft Sewage Receiving Station project is currently in progress. The anticipated completion date is June 1, 2014.
- Construction of the Quarry Area Access Road (Permit No. 3028-9015.1) was completed in 2013.
- BTV will not be proceeding with the Aviation Technical Center and Vermont Flight Academy project (Permit No. 3028-INDS.2). A request for termination of this permit is contained herein.
- 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, 2014.

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 nine 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.

Additionally, it was initially proposed that in lieu of submitting eleven 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.

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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**

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### **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".

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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.

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, 2014. 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.

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**Table 1 – Flow Restoration Plan Development and Implementation Schedule**

<b>Due Date</b>	<b>Compliance Item</b>
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, 2014 is contained in **Appendix A.**

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**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 discharges stormwater runoff to two impaired waters of the State. One outfall (DO18) discharges to Muddy Brook, while five outfalls (POO1, POO2, POO5, POO6, and POO7) discharge to Class 2 wetlands contiguous to Potash Brook. Both waterways are considered to be impaired yet one waterway has no approved TMDL while the other has an approved TMDL.

**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, it is stormwater runoff volume that is being limited overall and allocated among sources.

As noted, BTV has five outfalls which 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%.**

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 discharges 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

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point PO05 is also a sampling point for Benchmark Monitoring as a condition of BTV's General Permit 3-9003 MSGP. It is noted that 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 intends to cooperatively pursue 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 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.

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

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**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).

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

BTV discharges to the 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:**

Going forward, BTV intends to develop a single FRP for the Potash Brook watershed in cooperation with the City of South Burlington. 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:**

The legislative bill, H. 650, entitled *An Act Relating to Establishing the Ecosystem Restoration and Water Quality Improvement Special Fund*, has been introduced and is currently under consideration by the Vermont Legislature.

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 will be authorized to collect funds from MS4's to implement a comprehensive flow and precipitation monitoring program for MS4's that wish to participate.

The bill will determine how the funds are collected, and at what cost to each of the participating MS4 communities. Individual costs for each MS4 are unknown at this time as a cost sharing formula has yet to be determined.

As of this date, the bill has passed the Vermont House of Representatives. Subsequently Senate sent the bill to the Committee on Natural Resources and Energy for review since it carries an appropriation or requires the expenditure of funds. The proportional cost of monitoring for each MS4 will likely be determined by the outcome of this legislation.

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

Muddy Brook is an impaired water as it is listed on page 5 of 9 in the *State of Vermont, 2010, 303(d) List of Waters, Part A – Impaired Surface Waters In Need of TMDL*. Muddy Brook is, therefore, an impaired water without an approved or established TMDL. Pollutants listed on the 303(d) list from the mouth to 7 miles upstream are “*Toxics, Nutrients, and Temperature*”. Surface water quality problems identified on the 303(d) list include lack of buffer, land development, and erosion.

BTV has one outfall discharging to Muddy Brook designated as discharge point DO18. The outfall is located at the southeastern side of the airport.

BTV is required to comply with Part IV.C.2. of General Permit 3-9014 (2012) MS4, and address in its SWMP and annual reports how any discharges that have the potential to cause or contribute to the impairment of Muddy Brook will be controlled so that they do not cause or contribute to the waterway's impairment.

If elimination of the Muddy Brook discharge point is not possible within 60 days from BTV's MS4 re-authorization date of October 1, 2013, then a plan must be submitted to the VT ANR for controlling the Muddy Brook discharge point. Elimination of this discharge is clearly not physically nor economically feasible. The objective of the plan is to control the Muddy Brook discharge so that it does not cause or contribute to the waterway's impairments.

**Status:**

BTV's plan going forward for controlling the Muddy Brook discharge point includes the following elements which are discussed in further detail below:

- Identifies the sources of the discharge.
- Presents an assessment whether the discharge is a potential contributor to Muddy Brook's impairments noted above.
- Presents available information indicating that BTV's discharges are not a potential contributor to Muddy Brook's impairments.
- Includes a response plan that identifies additional or modified BMP's to be implemented, if needed.

**Sources of the Muddy Brook Discharge (DO18)**

The contributing drainage area to the Muddy Brook outfall (DO18) includes Area 9 as depicted on the facility site plan entitled *Burlington International Airport, Multi-Sector General Permit (MSGP) Site Drainage Map* dated April 1, 2012 with revisions dated April 1, 2013 and April 1, 2014. Drainage area 9 includes the “Valley”, Valley West Apron, 890 Ramp, Taxiway's 'K', 'J', and a portion of 'C', southwestern end of Runway 15-33, a portion of the grassed infield bounded by Taxiway's 'C' and 'B' and Runway 15-33, and the Class 2 wetlands located southerly of Eagle Drive.

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Impairment Contribution Assessment

Land uses for the upland drainage area for the DO 18 outfall include paved aircraft runways, taxiways and aprons, vehicular service roads, buildings, grassed infields, and wetlands. Fertilizers containing nutrients, such as nitrogen or phosphorus, are not applied within the upland drainage area. Chemicals applied for deicing purposes such as propylene glycol and sodium formate, do not contain or contribute to Muddy Brook's impairment including toxics, nutrients, or temperature.

Based on this assessment of upland land uses, it is unlikely that the DO18 outfall is a contributor to the Muddy Brook impairments.

Impairment Contribution Technical Data

a) Nutrient Impairments (Nitrogen and Phosphorus), and Temperature

The following stormwater monitoring data has previously been collected at BTV's Muddy Brook discharge point (DO18). The data indicates that BTV's DO18 discharge is not a contributor to Muddy Brook's impairments.

As part of the Impaired Waters monitoring requirement contained in BTV's Multi-Sector General Permit 3-9003 MSGP, BTV is required to monitor the Muddy Brook outfall (DO18) annually for nutrients including Total Phosphorus and Total Nitrogen. Temperature does not need to be monitored, but has been under the Benchmark monitoring requirements. Stormwater discharge monitoring performed to date at outfall DO18 does not indicate elevated levels of Total Phosphorus or Total Nitrogen. Additionally, temperature does not appear to be out of acceptable range in samples taken to date.

Monitoring results from stormwater sampling for nutrients and temperature recorded to date at the Muddy Brook outfall (DO18) are presented in Table 2 below.

**Table 2 – Impaired Waters Monitoring Results Summary**

Sampling Point D018, Muddy Brook Outfall			
Sampling Date	Total Nitrogen as N (mg/L)	Total Phosphorus (mg/L)	Temperature (degrees C)
January 20, 2012	2.7 mg/L	0.076 mg/L	Not Available
March 4, 2013	1.3 mg/L	0.036 mg/L	1.6 °C
November 7, 2013	1.5 mg/L	0.063 mg/L	9.1 °C
March 3, 2014	3.7 mg/L	0.058 mg/L	0.4 °C

The historical data presented above in Table 2 above provides clear evidence that BTV's Muddy Brook discharge does not contribute to the waterway's impairment for temperature and nutrients including phosphorus and nitrogen.

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b) Toxic Impairments

Toxic impairments for Muddy Brook are, in part, the result of what is commonly referred to as the '*Commerce Street Plume*' superfund site. The contributing property located at 96 Commerce Street in Williston, was formerly leased by Mitec Systems Corp. Therefore, BTV's discharge to Muddy Brook does not contribute to the waterway's impairment for toxics.

c) Surface Water Quality Problems - Lack of Buffer, Land Development, and Erosion

BTV will coordinate with the Town of Williston and the City of South Burlington concerning the need to address the lack of buffer along the entire length of Muddy Brook as this is a surface water quality problem identified on the 303(d) list.

BTV's 30 year Master Plan does not envision development of land within close proximity to the Muddy Brook. Land development is planned for the unused Quarry area located at the extreme south end of the facility site. However, through installation of BMP's and buffer areas, the development will have no adverse contribution to the Muddy Brook.

The banks of Muddy Brook including flood plain areas where the waterway borders the BTV facility contains very dense vegetation. This vegetation, containing tall grasses, dense brush, and areas of light forest, minimize the adverse effects of site erosion.

Response Plan for Additional or Modifying Existing BMP's

A response plan that identifies construction of additional or the modification to existing BMP's will not be required since BTV's discharge does not contribute to Muddy Brook's impairment.

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

The 2013 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 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 A contains the RSEP Annual Review for 2012-2013.

**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 behavior changes in the public. This change will be assessed through a behavior survey conducted by the RSEP approximately every 5 years. The contractor responsible for conducting the survey will report findings to the RSEP. **Appendix C contains the RESP Annual Review for 2013 - 2014.**

*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.

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**2.3.1.2 Minimum Measure #2 - Public Participation/Involvement**

**1) BMP # 1:** The Chittenden County Regional Planning Commission (CCRPC) is in the process of creating a Chittenden County Stream Team (CCST). This Team will become the community outreach of the CCRPC 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 (MCM) 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 lead 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 second successful year in fulfilling MCM2 requirement.

**The Summary of Activities completed by the CCST for 2013 is contained in Appendix B.**

*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 MM#2. 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

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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 MM-#2 requirements that members can use in their annual reports to Vermont ANR.

*Person(s) Responsible for BMP:* The CCST.

*Rationale for Selection:* The CCRPC is creating 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. They feel they can carry that momentum with a designated stormwater program.

**2.3.1.3 Minimum 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 31<sup>st</sup> of each year.

*Measurable Goals:* Measurable goals of this BMP as outlined in the 2003 NOI, and status of these goals are as follows:

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

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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).**

**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 2013 – 2014 de-icing season.**

- 3) BTV will conduct annual trainings for airport staff and tenants.

**BTV intended to send five employees to the municipal employee training workshop held on September 19, 2013. 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 Heather Kendrew, P.E., Director of Maintenance, Engineering & Environmental Compliance.

*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.**

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*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 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 31<sup>st</sup> 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 three Construction General Permit (CGP) 3-9020 applications during the reporting period. The three CGP applications are identified as follows:**

- **Notice of Authorization #3028-9020.8 (Aircraft Sewage Receiving Station) was issued on November 20, 2012.**
- **Notice of Authorization #3028-9020.9 (Reconstruct, Mark, Light and Sign a Portion of Taxiway 'B') was issued on June 18, 2013.**
- **Notice of Authorization #3028-9020.10 (Reconstruct Cargo Apron – Phase I) was issued on August 8, 2013.**

**The Notice of Authorization and the Notice of Intent for all three CGP permits is contained in Appendix E for reference.**

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**Construction of the Aircraft Sewage Receiving Station project is substantially complete with the exception of miscellaneous punch list items of work including grading and installation of topsoil, seed, and erosion matting.**

**Construction of the Reconstruct, Mark, Light and Sign a Portion of Taxiway 'B' project and the Reconstruct Cargo Apron – Phase I project are complete.**

**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 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 31<sup>st</sup> 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.

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**BTV submitted one operational Stormwater Discharge Permit application during the reporting period. Permit #3028-INDS.3 for the Aircraft Sewage Receiving Station project was issued on September 4, 2013.**

**See Appendix F for the approved permit for this project. Additionally, a copy of all previously issued operational Stormwater Discharge Permits is provided in Appendix E for reference purposes.**

**A Post-construction site inspection was completed in 2013 for the Aircraft Fluid Deicing Treatment System, 890 Ramp project (UIC #6-0117) as part of the annual permit inspections.**

**A Post-construction site inspection will be 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 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 was revised and updated by Stantec in 2011 and 2012. **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 31<sup>st</sup> of each year.

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*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 2013. A listing of catch basins requiring maintenance is presented in Appendix H.**

**The catch basins will be inspected again in late summer/early fall of 2014 and maintenance of these catch basins will be performed during the spring of 2014.**

*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 house keeping.

**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) was revised and updated by Stantec in 2011 and 2012. The SWMP has been reviewed and updated in 2013 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 2013.**

## **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) was revised and updated by Stantec in 2011 and 2012. The SWMP has been reviewed and updated in 2013 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 2013.**

## **2.5 REPORTING CONDITION V.C.3.**

The 2013 Annual Report will include 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 construction of a new segment to Taxiway 'G' between Taxiway 'B' and Taxiway 'C'. Currently, the project is in the design phase. Construction of this project is anticipated to commence in 2015. However, depending on availability of FAA funding, the project may begin construction in 2014.
  - The work for this project will require a new Construction General Permit application. This project is also covered under a previously issued operational Stormwater Discharge Permit (ref. 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. Currently, the project is in the design phase. 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 is anticipated to commence in 2014.
  - The work for this project will require a new Construction General Permit application. Depending on the total area of redeveloped impervious surfaces for this project a Stormwater Discharge Permit may be required.
  
- c) **Main Terminal Apron Reconstruction - Phase I Project**
  - This project consists of reconstruction of a portion of the existing Main Terminal Apron. Currently, the project is in the design phase. The overall project involves removing and replacing the existing portland cement concrete pavement on the existing apron. Construction of this project phase is anticipated to commence in 2014.
  - The work for this project will require a new Construction General Permit application. Depending on the total area of redeveloped impervious surfaces for this project a Stormwater Discharge Permit may be required.

**See Appendix G for a copy of the above referenced permit.**

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**2.6 REPORTING CONDITION V.C.4.**

The 2013 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 reason:**

- **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.**

**No major updates to the SWMP other than updating the SWPPP were required for 2013.**

**2.7 REPORTING CONDITION V.C.5.**

The 2013 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, 2014**

## **3.0 Annual Report for Operational Stormwater Discharge Permits**

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### **3.1 INTRODUCTION**

As previously discussed, BTV currently is subject to nine 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-INDS.2 (Burlington Aviation Technical Center and Vermont Flight Academy)
- Permit No. 3028-9015.1 (Quarry Area Access Road)
- Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station)

With the exception of Permit No. 3028-INDS.3 (Aircraft Sewage Receiving Station), copies of each Stormwater Discharge Permit are presented in **Appendix G** for reference purposes.

On September 4<sup>th</sup>, 2013 the ninth operational Stormwater Discharge Permit was issued to BTV for the Aircraft Sewage Receiving Station project (Permit No. 3028-INDS.3) as contained in **Appendix F** for reference). The project began construction in October, 2013 and became substantially complete on March 4, 2014. At this time, the infiltration trench has been fully constructed. However, final grading including topsoil, seeding, and erosion control matting have not been constructed. It is anticipated that the final work will be completed by on or about June 1, 2014. Project construction has not been completed, and therefore, it is not yet subject to permit reporting conditions.

At this time, Permit No. 3028-INDS.2 (Burlington Aviation Technical Center and Vermont Flight Academy) has not been constructed, and is therefore, also not yet subject to permit reporting conditions. It is BTV's intent to abandon plans for this project and seek approval from VT ANR for termination of the project's operational Stormwater Permit. See Section 3.4 contained herein for BTV's formal termination request.

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 22 to November 15, 2013.

Permit Nos. 1-1391 and 1-0839 require quarterly inspections to be performed. Stantec personnel performed these quarterly on-site inspections on May 31, August 29, October 22, 2013, as well as on March 25, 2014.

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Construction for the Quarry Area Access Road project (Permit No. 3028-9015.1) was completed in June, 2013. Permit No. 3028-9015.1 requires semi-annual inspections to be performed. Stantec personnel performed these semi-annual on-site inspections on August 22 and November 7, 2013.

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 1<sup>st</sup> of each year for review. Annual Inspection Reports are presented below.

In addition, a *Designer's Restatement of Compliance* is provided below for the following operational Stormwater Discharge Permits:

- 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)

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

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

A formal *Notice of Termination Request* is also provided below for the Burlington Aviation Technical Center and Vermont Flight Academy project (Permit No. 3028-INDS.2).

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**3.2 DESIGNER'S RESTATEMENT OF COMPLIANCE**

Per conditions contained in Permit Nos. 3028-INDS.A (Taxiways 'B', 'C', 'J', and 'G'), 3028-INDS.1 (Reconstruct, Mark, and Groove Runway 15-33), and 3845-INDS.A (Heritage Flight Aviation Campus Expansion), every three years BTV shall submit to the VT ANR a written statement signed by a designer that the stormwater collection, treatment and control system authorized is properly operating and maintained. A *Designer's Restatement of Compliance*, is provided below for each of the three noted permits for VT ANR review.

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

**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.A**
2. Description/Name of Project: **Burlington International Airport, Reconstructed Taxiways 'B' and 'C' and Relocated Taxiway 'J' and Newly Constructed Taxiway 'G'**
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):

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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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.

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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.

*PERMIT NO. 3028-INDS. A*

**[INCOMPLETE FORMS WILL BE RETURNED]**

  
Signature of Designer *4/1/2014*

**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

**Nine days of inspection between October 22, 2013 and November 14, 2013.**  
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**

**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**1 National Life Drive, Main 2  
Montpelier, VT 05620-3522**

**or email to: [anr.wsmdstormwatergeneral@state.vt.us](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

**The Remainder of This Sheet Has Been Left Blank Intentionally.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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

**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.1**
2. Description/Name of Project: **Burlington International Airport, BTV Reconstruct, Mark & Groove Runway 15-33; AIP No. 3-50-0005-XX**
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):

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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.

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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.

*PERMIT NO. 3028-INDS.1*

**[INCOMPLETE FORMS WILL BE RETURNED]**

*Douglas M. Campbell*  
Signature of Designer *4/1/2014*

**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

**Six days of inspection between October 28, 2013 and November 15, 2013.**  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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

**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: **3845-INDS.A**
2. Description/Name of Project: **Burlington International Airport,  
Heritage Flight Aviation Campus Expansion**
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):

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**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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.

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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.

*PERMIT NO. 3845-INDS. A*

**[INCOMPLETE FORMS WILL BE RETURNED]**

  
Signature of Designer *4/1/2014*

**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

**Three days of inspection between October 25, 2013 and November 4, 2013.**  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.3 INITIAL DESIGNER’S STATEMENT OF COMPLIANCE**

Per conditions contained in Permit Nos. 3028-9015.1 (Quarry Area Access Road), 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.

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

**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: **3028-9015.1** \_\_\_\_\_

2. Description/Name of Project: **Burlington International Airport,  
Quarry Area Access Road** \_\_\_\_\_

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):

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**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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.

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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.

*PERMIT NO. 3028-9015,1*  
**[INCOMPLETE FORMS WILL BE RETURNED]**

*Douglas M. Campbell*  
Signature of Designer *4/1/2014*

**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

**Three days of inspection between October 25, 2013 and November 4, 2013.**  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.4 STORMWATER DISCHARGE PERMIT - NOTICE OF TERMINATION**

The following letter is intended to serve as a Notice of Termination for Stormwater Discharge Permit No. 3028-INDS.2 for the Burlington Aviation Technical Center and Vermont Flight Academy project.

**3.4.1 Permit No. 3028-INDS.2 (Burlington Aviation Technical Center and Vermont Flight Academy)**

**Burlington International Airport**

April 1, 2014

Ms. Helen Carr, Stormwater District Manager, Chittenden County  
Vermont Department of Environmental Conservation  
Watershed Management Division  
Stormwater Program  
1 National Life Drive, Main 2  
Montpelier, VT 05620-3522

Reference: Burlington International Airport  
Stormwater Discharge Permit No. 3028-INDS.2  
Burlington Aviation Technical Center and Vermont Flight Academy  
Notice of Termination Request

Dear Ms, Carr

The City of Burlington, Burlington International Airport (BTV) has decided against proceeding with the Burlington Aviation Technical Center and Vermont Flight Academy project.

In light of this decision, and per your email dated February 7, 2014, please let this letter serve as BTV's formal request and notice to the Vermont DEC, Watershed Management Division, Stormwater Program, for termination of Stormwater Discharge Permit No. 3028-INDS.2 as issued on December 7<sup>th</sup>, 2011 for the *Burlington Aviation Technical Center and Vermont Flight Academy* project.

It is our understanding that once this Notice of Termination is accepted, your office will then issue a notice that the stormwater discharge permit has been terminated. In addition, once accepted by your office, any back or future annual operating fees associated with this permit will not be required to be remitted.

Should you have any questions, or require further information, please do not hesitate to contact us.

Sincerely,



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Heather A. Kendrew P.E.  
Burlington International Airport  
Director of Maintenance, Engineering, and Environmental Compliance

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.5 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*.

**3.5.1 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 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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](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*

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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 pond repairs and maintenance.**  
**Anticipated Completion Date is September 30, 2014.**
  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.**  
**Anticipated Completion Date is June 30, 2014.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 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.

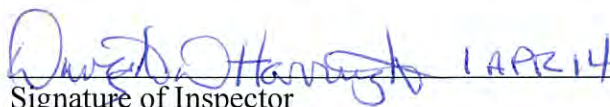
**NOTE: The North Outfall (Q001A) is under a corrective action for benchmark monitoring exceedence for elevated levels of BOD and COD. Maintenance recommendations contained in Appendix H of this report include three items of work to be performed on the Main Terminal Apron Aircraft Deicing Fluid (ADF) Collection and Treatment System. This includes maintenance on the pump station and infiltration field distribution manhole.**

**The three short term maintenance recommendations were not performed during the reporting period due to maintenance staff shortages. BTV will perform the three maintenance recommendations as soon as possible, but no later than June 30, 2014.**

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

Fourteen days of inspection between October 22, 2013 - November 15, 2013  
Date of Inspection

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

**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

**The Remainder of This Sheet Has Been Left Blank Intentionally.**

**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.5.2 Permit No. 1-1391 (South Apron Expansion)**

**ANNUAL INSPECTION REPORT FORM**

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

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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](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*

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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

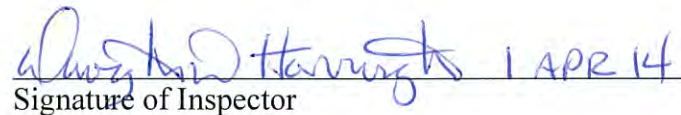
**Statement of Compliance (check only one below)**

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 31, August 29, October 22, 2013,  
as well as on March 25, 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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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

**ANNUAL INSPECTION REPORT FORM**

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

Annual Inspections shall be completed between the conclusion of spring snow melt and June 15, and the inspection report shall be submitted by July 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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](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*

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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

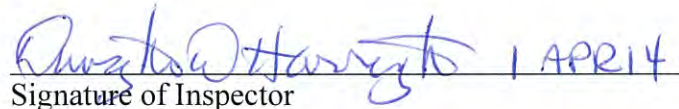
**Statement of Compliance (check only one below)**

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*

 1 APR 14  
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 31, August 29, October 22, 2013,  
as well as on March 25, 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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.5.4 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 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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](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.*

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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*

Dwight D. Harrington 1 APR 14  
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

Nine days of inspection between October 22, 2013 and November 14, 2013  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.5.5 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 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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; AIP No. 3-50-0005-XX**

- 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](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*

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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*

 1 APR 14  
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

Six days of inspection between October 28, 2013 and November 15, 2013  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.5.6 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 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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](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*

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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.*
- 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.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

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

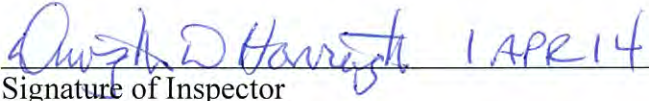
**Statement of Compliance (check only one below)**

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*

 1 APR 14  
Signature of Inspector

Senior Engineering Technician  
Title

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

Print or Type Name and Address

Three days of inspection between October 25, 2013 and November 4, 2013  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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**Stantec**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**3.5.7 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 15<sup>th</sup> of each year (or by July 30<sup>th</sup> 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](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.**

**Burlington International Airport  
Annual Report for General Permit 3-9014 (2012) MS-4 and  
Annual Report for Operational Stormwater Discharge Permits  
April 1, 2014**

**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 August 29, 2013 and November 7, 2013.  
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](mailto:anr.wsmdstormwatergeneral@state.vt.us)**

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

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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 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 1<sup>st</sup> and every year on April 1<sup>st</sup> with the MS4 Annual Report.

<b>Due Date</b>	<b>Compliance Item</b>
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.

<b>Due Date</b>	<b>Compliance Item</b>
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

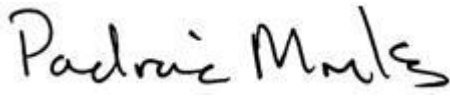
Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$250.00, payable to the state of Vermont. The Notice of Appeal must specify 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](http://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, 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, 2014**

**Appendix B**

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

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## BURLINGTON INTERNATIONAL AIRPORT

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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**

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

**April 1, 2014**

**Appendix C**

**Regional Stormwater Education  
Program, Annual Review 2013 – 2014**

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**Chittenden County Regional Stormwater Educational Program  
Annual Review: 2013- 2014 Program Year Summary**

The 2013-2014 program year (March 1, 2013 through February 28, 2014) has been a transition year for the Regional Stormwater Education Program (RSEP). *Marketing Partners, Inc.* of Burlington, the Program's contract marketing firm since its inception was retained through June 2013. A new marketing agency, *J. Andrews Marketing* was retained starting in August of 2013. The MS-4s worked with *J. Andrews Marketing* to analyze the results of RSEP's 5 year survey led the RSEP to decline to initiate a Fall 2013 campaign and instead take the time to plan for and begin to implement revisions to the program. To continue outreach efforts, the RSEP helped to co-sponsor the Let it Rain Program's, "Connecting the Drops" rain barrel exhibit which received significant media attention.

Key messages of the campaign remained the same and included stormwater runoff and stormwater systems education, and tips on prevention methods related to fertilizers and chemicals. The focus of the spring advertising campaign was to reduce fertilizer use and runoff through the use of soil testing to determine if fertilizer was needed.

**Completion of replicate survey to gauge Program effectiveness** The RSEP again hired UVM's Center for Rural Studies to implement RSEP's survey in July 2013 which takes place every 5 years so as to measure program effectiveness. 3,444 households in the nine RSEP municipalities were contacted via phone with 449 of those completing the survey. The results were similar to those obtained in 2008 with notable differences as follows:

- Many more people believe that stormwater that runs across their driveway is absorbed into the ground.
- There has been an increase in people who have tested their soil (though there is room for many more to join them). More educated people are more likely to soil test.
- There has been a significant drop in people who fertilize. However, of those that do fertilize, they are doing so multiple times per year. Our core demographics are the biggest offenders (35-64 year olds, homeowners) with one exception- less educated people tend to be "multiple fertilizers" more often than their educated counterparts.
- Significantly fewer people say that the downspout from their gutters lands on the lawn.

**Spring Advertising Campaign** The media campaign included four weeks of radio spots on VPR, WCPV, WEAV and WEZF; four weeks of cable TV spots in the Chittenden County area on the following channels (ESPN, TNT, HGTV, TLC & TWC; print ads in member community newspapers; and four weeks of advertising on Front Porch Forum (an opt-in community e-newsletter). The spring 2013 media expenditure totaled \$20,000 approximately the same level of spending as both the spring of 2012 and the spring of 2011.

**Extension of the "Soil Test" campaign** In partnership with the University of Vermont (UVM) Agricultural Testing Lab, the RSEP continued to provide the opportunity for residents with the MS4 area to obtain a free soil test. The ad campaign drove people to the RSEP website where 294 eligible program residents downloaded a printable coupon during this program year compared to 226 in the prior program year. UVM continues to track the number of coupons actually redeemed during paid media campaigns. 43 tests were submitted in 2013-2014 compared to 39 tests in 2012-2013 and 36 tests in 2011-2012. Overall visits to the "soil test" page ("page views" remained stable at 795 visits in 2013-2014 compared to 803 in 2012-2013.

**Sponsorship of complementary efforts** Through a contribution of \$12,500 RSEP became a chief sponsor of the Let it Rain Stormwater Program's "Connecting the Drops" rain barrel exhibit. This project identified the problem of limited public awareness of the issues of stormwater pollution and proposed methods to link this serious message with a fun and engaging outdoor art exhibit in the summer of 2013. The exhibit consisted of nineteen professionally painted rain barrels installed on pedestrian ways in downtown Burlington; Weekly concerts on Church Street throughout July (logo on signage, information at event booth, barrel giveaways, announcement from stage); Frog Hollow Signage (logo placement); Extensive print media campaign in *Seven Days* and *Kids VT* (logo placement); Signage and exhibit space at ECHO museum (logo placement) and South End Art Hop Auction Event (logo placement, barrel giveaway and auction, event speech, auctioneer recognition). In order to track the efficacy of the barrel in reaching residents of MS-4s towns, each barrel was fitted with a sign with the RSEP logo and stating "Win your own rain barrel: Scan here to sign up" and a QR code. A total of 811 visits to the project's website came via these QR scans on the barrels. 202 of those who scanned answered the prompted question of where they lived and 136 of those (63%) came from an RSEP member community. Through this QR signage and other events, 507 people signed up to try and win a free rain barrel. The project (and RSEP as a sponsor) also received significant exposure in the form of visitors and passers-by of the tabling event and sponsored music performers on Church Street (which has over 1.5 million summer visitors annually). The Let it Rain Program estimated 150 people attended each event with approximately 15 mailing list sign ups during each of the seven weeks. Last, it should be noted that RSEP included a link to the project on [smartwaterways.org](http://smartwaterways.org). Of the total summer traffic of 3,187 visits to the project website, 664 of those came from [smartwaterways.org](http://smartwaterways.org). The project as a whole received extensive media coverage (eight independent news stories).

**Increased website traffic** As detailed below, unique visits grew substantially to the Program's website, [www.smartwaterways.org](http://www.smartwaterways.org)

## Gross Impressions / Audience Reach

### 1. Unpaid Media (Public Relations) Fall PR Campaign

Instead of a fall paid advertising campaign, J Andrews Marketing and CCRPC did support a press outreach campaign with the goal of educating the press about RSEP and its initiatives. A template editorial was developed which was then adapted by individual MS4 and published as follows:

Editorials ran:

- The Other Paper, South Burlington, Circulation: 9,800  
(<http://edition.pagesuite-professional.co.uk//launch.aspx?eid=3f9dfe35-2c0e-43ca-a0fd-587daa321e18>)
- The Williston Observer, Circulation: 5,000  
(<http://www.willistonobserver.com/guest-column-communities-work-together-to-improve-water-quality/>)
- The Essex Reporter (not available online) Circulation: 8,800  
<http://www.essexjunction.org/news/item/communities-work-together-to-improve-water-quality/>
- The Colchester Sun (not available online) Circulation: 6,200 and published in Colchester School District "Spotlight" online news  
<http://csdspotlight.org/2013/12/>
- Front Porch Forum in South Burlington, Williston, Essex, Colchester. Approximately 14,000 impressions
- Total unpaid impressions for editorial campaign: 43,800

*Prepared by J Andrews Marketing and Chittenden County RPC*

In addition, editorial meetings were conducted with:

Michael Page, Fox 44/ABC 22; Taylor Dobbs, Vermont Public Radio and Kathryn Flagg, Seven Days (Circulation: 33,417). These meetings resulted in specific ideas for stories that the reporters are interested in covering in the future, likely in Spring and/or Summer 2014.

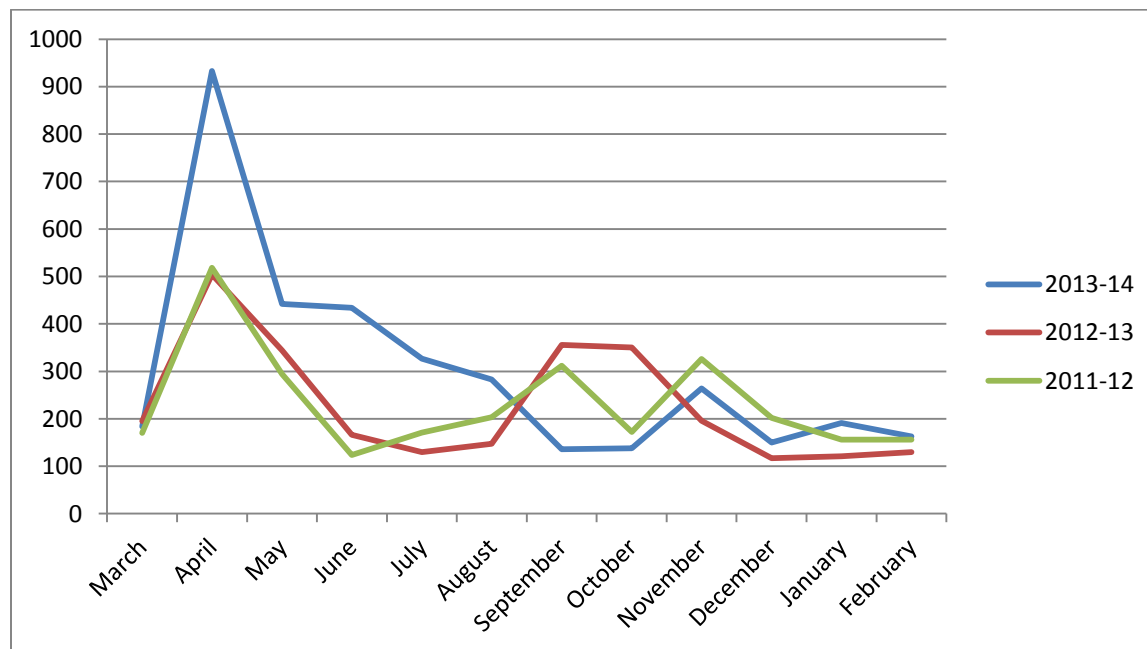
## 2. Total Paid Media Impression, 2013 (Spring Campaign only)

The 2013-2014 paid media budget was only \$20,000 and was focused only on the spring compared to RSEP's usual pattern of a \$20,000 spring buy and a \$10,000 early fall buy. In addition to maintaining advertising in the usual commercial outlets of cable TV, radio and local print, RSEP again advertised through online sponsorships via Front Porch Forum. Overall, impressions were down to 1,440,046 compared to 2,111,804 in the 2012-2013 Program Year.

Print:	796,068
Cable TV:	60,060
Radio:	283,918
Online:	300,000
<b>TOTAL:</b>	<b>1,440,046</b>

## 3. Traffic to Program Website ([www.smartwaterways.org](http://www.smartwaterways.org))

Below is the website visitor information for 2013-2014, as compared to the two preceding years. The program year had 3,645 visits, significantly higher than visits in the two preceding years. Website traffic increases/spikes are in conjunction with the RSEP media campaigns and in the case of Spring and Summer 2013, due to the increased exposure from RSEP's sponsorship of the Connecting the Drops campaign.



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**BURLINGTON INTERNATIONAL AIRPORT**

**Annual Report for General Permit  
3-9014 (MS-4)  
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**April 1, 2014**

**Appendix D**

**Minimum Control Measure (MCM) #2,  
Chittenden County Stream Team,  
Summary of Activities: 2013**

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**MCM #2**  
**Chittenden County Stream Team**  
**Summary of Activities January-December 2013**

This report summarizes CCST activities in the 2013 calendar year. Demographic data about participant numbers from each town is presented in tabular form following the narrative.

## **Social Media**

### **Facebook**

- 83 “likes”-- a 26% increase in likes from 2012 annual report numbers (66 likes)
- 40% of the people who like CCST are from Burlington (33 people)

### **CCST Website**

Google Analytics provides website traffic data from January 1, 2013 to December 31, 2013:

- 801 visits, spending an average of 3 minutes and 10 seconds on the website per visit
- 2,619 page views
- 62.9% of visitors were new visitors to the site; 37.1% of visitors were returning visitors.
- The number of visitors to the website has remained steady; there were 802 visitors in 2012.
- The highest spike in page views occurred after the fall newsletter was mailed. 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 May, June and October.

### **Newsletter and e-correspondence**

- In 2013, there were 261 subscribers to the CCST newsletter, up 8% from 241 in 2012.
- A fall newsletter was sent out in October with a 36% 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.
- A targeted e-mail was sent to Shelburne residents to understand interest in holding a rain barrel workshop in their community. We received positive feedback and will be holding a workshop in spring 2014.

### **Organizational Partnerships**

- Department of Corrections has taken a leadership role in rain garden maintenance near their facilities.
- Chamberlain Elementary School in South Burlington continues to work with the Stream Team to provide education to students and to install rain gardens on school property
- Boy Scout Troop #631 in Milton has requested to work with the Stream Team to receive educational information and to plan volunteer events
- A local landscaper has agreed to donate plants when available to our rain garden efforts. In 2013, Ann Pearce provided CCST with dozens of iris, lobelia and native grasses for multiple rain gardens (Chamberlin School, South Burlington; Brownell Library, Essex Junction; Department of Corrections, South Burlington and Coast Guard Station, Burlington).
- During the 2013 Connecting the Drops summer concert series on Church Street, CCST partnered with the Let it Rain program (administered by Winooski Natural Resources Conservation District and Lake Champlain Sea Grant) to provide outreach during the weekly concert events in July. Tabling on church street gave CCST the opportunity to potentially provide outreach to 750 people.

## **Media**

Copies of each article are archived in the CCST 3-ring binder housed at the office of the CCST chair.

- South Burlington [“The Other Paper”](#) news story on Chamberlin Elementary School’s rain garden installation (9/05)
- South Burlington [“The Other Paper”](#) news story on South Burlington Library Rain Garden (10/03)
- South Burlington Magazine “South Burlington Life” news story on SB Library Rain Garden (10/2013)



**MCM #2**  
**Chittenden County Stream Team**  
**Summary of Activities January-December 2013**

**Outreach**

- Outreach Events (Tabling) See data tables for detailed outreach audience information
  - Milton Community Dinner (3/11/13)
  - Kids' Day, Burlington (5/11/13)
  - Connecting the Drops Concert Series (Wednesdays in July)
  - Town of Essex and Essex Junction Block Party (7/21)
  - Shelburne Farmers' Market (7/27)
  - Williston Farmers' Market (8/7)
  - Essex Free Library (8/15)
  - Shelburne Harvest Festival (9/21)
  - Essex Heart and Soul Volunteer Fair (9/25)
  - Essex Junction 5 Corners Farmers Market (9/27)
  - Essex Fire Station Open House (10/12)
- Milton Scout Troup Presentation (7/31)
  - Presented and discussed stormwater with Scout Troup in Milton

**Event-Driven Tasks**

- Milton Lamoille River Walk Clean Up (May 18<sup>th</sup>, 2013)
  - Partnered with Milton Youth Coalition and Milton Conservation Commission
  - 10 volunteers attended and worked on trail repairs and clean-up
- South Burlington Library Rain Garden Installation
  - Installed by 39 volunteers on May 17<sup>th</sup>, 2013 and thoroughly tested by heavy rainstorms
- Water Quality Monitoring
  - Volunteer response was high: 27 expressed interest from throughout Chittenden County (including areas where we do not currently have sampling sites, like Jericho)
  - Volunteer training was held on June 18<sup>th</sup>, 2013 in Williston
  - Water Quality Sampling occurred on five scheduled dates (6/25, 7/9, 7/23, 8/13, 8/27) as well as sampling during rain events. Data was uploaded to CCST [website](#).
- Shelburne Longmeadow Flow Monitor
  - Data collected by a volunteer (Shelburne) has been compiled through December 2013
- Chamberlin School in South Burlington installed a third rain garden 8/29 and 30<sup>th</sup> 2013
  - 30 children, 3 teachers, 2 parents volunteered
- Lamoille River Walk Stream Clean Up in Milton 10/26
  - Milton Boy Scout Troop #631, 5 youths, 2 adults
- McCabe Brook Clean-Up in Shelburne 10/31
  - Shelburne Central School, 20 students and 1 teacher participated
- Adopt-A-Rain Garden
  - Volunteer Work Days: Maintenance occurred on 3 rain gardens with the help of 6 volunteers (1 Burlington, 3 Essex Junction and 2 South Burlington)
  - On-Going Volunteer Activity: Rain garden adopters maintain gardens throughout the year by making sure they are functioning properly and weeded/planted as needed (1, Burlington, 2 South Burlington, 1 Williston)
  - Rain Garden Status Information: Landry Park rain garden in Winooski is in need of repair. Callahan Park rain garden in Burlington functions well and has an active volunteer adopter, but has a sink hole in need

**MCM #2**  
**Chittenden County Stream Team**  
**Summary of Activities January-December 2013**

of repair. The Coast Guard Station rain garden in Burlington had an active adopter until the end of the summer; the garden needs a new adopter. Williston Town Annex rain garden is in need of maintenance and an adopter.

The target towns for hands-on participation in 2013 were Milton, Winooski, and Shelburne. The target numbers (based on the attached workplan) were met in Milton and Shelburne, but not in Winooski. The target number was not met in Winooski because the events planned to meet the target were implemented in the fall of 2012. There were 116 participants in outreach activities in Winooski during the fall of 2012. The CCST work plan shifted from being developed on a fiscal year basis (June-July) to a calendar year basis (January-December); the change in reporting schedule excluded the Winooski target numbers from 2013's annual report. Participation in 2013 was weakest in Williston, Winooski, and Essex. CCST will focus outreach efforts in those 3 towns in 2014.

<b>Hands-On Project Participation (Event Driven Tasks)</b>											
<b>Activity</b>	<b>Location</b>	<b>Participant Town</b>									
		Burlington	South Burlington	Essex	Essex Jct	Milton	Shelburne	Williston	Winooski	Other/ Unkown	Total
Lamoille River Walk Clean-Up (MYC and MCC)	Milton	1	0	0	0	9	0	0	0	0	10
S. Burl. Library Rain Garden Installation	South Burlington	0	39	0	0	0	0	0	0	0	39
Water Quality Monitoring	Multiple	6	2	0	3	1	0	2	0	3	17
Water Quality Monitoring Training Event	Williston	6	2	0	3	1	0	2	0	3	17
Long Meadow Flow Monitoring	Shelburne	0	0	0	0	0	1	0	0	0	1
Chamberlain School Rain Garden III Installation	South Burlington	0	35	0	0	0	0	0	0	0	35
Lamoille River Clean Up (Boy Scouts)	Milton	0	0	0	0	7	0	0	0	0	7
McCabe Brook Clean-Up	Shelburne	0	0	0	0	0	21	0	0	0	21
Adopt-A-Rain Garden Maintenance Days	Multiple	2	4	0	3	0	0	1	0	0	10
	<b>Total</b>	<b>15</b>	<b>82</b>	<b>0</b>	<b>9</b>	<b>18</b>	<b>22</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>157</b>

**MCM #2**  
**Chittenden County Stream Team**  
**Summary of Activities January-December 2013**

Since participation numbers for Essex, Essex Junction, Williston, and Shelburne were low in 2012, these were the outreach target towns in 2013. Based on the table below, 2013 outreach efforts in these towns were a success. Hands-on events are planned for these 4 towns in 2014.

Outreach Activities Participation											
Activity	Location	Participant Town									Total
		Burlington	South Burlington	Essex	Essex Jct	Milton	Shelburne	Williston	Winooski	Other/Unkown	
Facebook 'Likes'	N/A	29	4	0	1	0	3	1	3	42	83
Website Visits	N/A	265	36	16	0	2	19	27	14	422	801
e-news Mailing List	N/A	39	24	7	14	23	6	15	21	112	261
Burlington Kid's Day	Burlington	0	0	0	0	0	0	0	0	50	50
Milton Community Dinner	Milton	0	0	0	0	18	0	0	0	0	18
Connecting the Drops Concert Series *	Burlington	0	0	0	0	0	0	0	0	750	750
Essex Junction Block Party	Essex Junction	0	0	3	10	0	0	0	0	5	18
Shelburne Farmers' Market	Shelburne	1	0	0	0	0	15	1	0	6	23
Williston Farmers' Market	Williston	0	1	0	0	0	0	4	0	0	5
Essex Free Library	Essex	0	0	4	1	0	0	0	0	0	5
Shelburne Harvest Festival	Shelburne	8	2	0	2	0	19	0	0	12	43
Essex Heart and Soul Volunteer Fair	Essex	0	0	8	5	0	0	0	0	0	13
Essex Junction 5 Corners Farmers Market	Essex Junction	1	0	0	9	0	0	1	0	2	13
Essex Fire Station Open House	Essex	0	0	22	0	0	0	0	0	0	22
Educational Visit with Boy Scout Troop	Milton	0	0	0	0	12	0	0	0	0	12
<b>Total</b>		<b>343</b>	<b>67</b>	<b>60</b>	<b>42</b>	<b>55</b>	<b>62</b>	<b>49</b>	<b>38</b>	<b>1401</b>	<b>2117</b>

\*This number was estimated based on data provided by Church Street Marketplace, it is estimated that approximately 150 people visited the Connecting the Drops/CCST tables during each of the five concert events. We do not have demographic information regarding these numbers

Other Vermont towns that are not part of the Stream Team participate in Stream Team Activities. The chart below identifies towns with significant participation.

CCST Outreach and Event Participation Beyond Participating MS4 Towns							
	Town	Jericho	Richmond	Hinesburg	Charlotte	Colchester	Total
Facebook Likes	N/A	2	0	0	0	3	5
Website Activity	N/A	9	7	4	6	31	57
Mailing List Members	N/A	2	2	0	0	7	11
WQ Sampling Volunteers	Multiple	0	1	1	0		2
Outreach at Shelburne Harvest Festival	Shelburne	0	2	0	0		2
Outreach at Essex Jct 5 Corners Farmers Market	Essex Jct	0	0	0	0	1	1
<b>Total</b>		<b>13</b>	<b>12</b>	<b>5</b>	<b>6</b>	<b>42</b>	<b>78</b>

# **BURLINGTON INTERNATIONAL AIRPORT**

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

**April 1, 2014**

## **Appendix E**

### **Construction General Permits Issued in 2013**

- **Permit #3028-9020.8  
Aircraft Sewage Receiving Station**
- **Permit #3028-9020.9  
Reconstruct, Mark, Light and Sign a Portion  
of Taxiway 'B'**
- **Permit #3028-9020.10  
Reconstruct Cargo Apron – Phase I**

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**BURLINGTON INTERNATIONAL AIRPORT**

**Permit #3028-9020.8  
Aircraft Sewage Receiving Station**

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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](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)

A handwritten signature in black ink that reads "T. Dugan".

**RECEIVED**

**NOV 26 2012**

**STANTEC  
SOUTH BURLINGTON, VT**

**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: 3028-9020.8



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: Same as A

**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 x126 b. Fax: \_\_\_\_\_ c. Email: todd.duguay@stantec.com

See Filing Directions for Low Risk Projects

**D. Project Information**

1. Project Name: Aircraft Sewage Receiving Station

2a. Is this project part of a Common Plan of Development<sup>1</sup>?  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)<sup>2</sup>: Wetland contiguous to Potash Brook

6. Include a topographic location map.

7. Project Type:  Residential  Commercial  Industrial  Other: Public Building

8. Total Area of Disturbance: 0.30 acres 9. Description of construction activities to be permitted (below):

The proposed project involves constructing a new sewage receiving facility designed to better handle the transfer of sewage from ground vehicles to the municipal sewer system. The building will be a 20' x 32' one-story Cement Masonry Unit (CMU) structure with a flat roof pitched in one direction.

**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): 10/12/12

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: City of Burlington, Burlington International Airport; Heather Kendrew, PE

Title: Director of Maintenance, Engineering and Environmental Compliance

Signature: *Heather Kendrew*

Date: 10/12/12

Principal Operator: Same as above  
(if known)

Title: \_\_\_\_\_

Signature: *Heather Kendrew*

Date: 10/12/12

Application Preparer: Todd F. Duguay, P.E.  
(if applicable)

Title: Project Engineer, Transportation

Signature: *Todd F. Duguay*

Date: 10/12/12

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

<sup>2</sup> "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. 8.

Dated this 20<sup>th</sup> day of November, 2012

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

*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](http://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) 338-4835; 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](http://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) 338-4835.

**Submit this form and the \$50 fee to:**

**Vermont Department of Environmental Conservation  
Watershed Management Division, Stormwater Program  
103 South Main Street, Building 10 North  
Waterbury, VT 05671-0408**

## Notice of Authorization

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



**Project Name: Aircraft Sewage Receiving**

**Notice of Intent Number: 3028-9020.8**

**Station**

**Date of Authorization: 11/20/2012**

**Permittee Name: City of Burlington**

**Date of Expiration: 11/20/2014**

**The project listed above has received authorization under General Permit 3-9020 to discharge stormwater from the following construction activities: Construction of a new sewage receiving facility.**

**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 **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).

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**BURLINGTON INTERNATIONAL AIRPORT**

**Permit #3028-9020.9  
Reconstruct, Mark, Light and Sign a Portion  
of Taxiway 'B'**

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BTV - Taxiway 'B' D. Campbell  
195310  
File Copy



**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](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)

**RECEIVED**  
JUL 08 2013  
STANTEC  
SOUTH BURLINGTON, VT

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

*For Department Use Only*  
NOI Number: 3028-9020.9

**Low Risk Sites**



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, Burlington International Airport 1b. Contact (if applicable): Heather A. 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 A. Kendrew, P.E., BTV Director of Maintenance, Engineering, and Environmental Compliance  
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

**C. Application Preparer Information (if applicable)**

1a. Name: Douglas M. Campbell, 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: doug.campbell@stantec.com

See Filing Directions for Low Risk Projects

#### D. Project Information

1. Project Name: Reconstruct, Mark, Light and Sign a Portion of Taxiway 'B'

2a. Is this project part of a Common Plan of Development<sup>1</sup>?  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): 3028-INDS.A

4. Location Address

a. Street: Airport Drive

b. City/Town: South Burlington

c. Latitude: 44 ° 28 ' 11 "

d. Longitude: 73 ° 09 ' 04 "

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)<sup>2</sup>: Groundwater within the Muddy Brook wtrshd

6. Include a topographic location map.

7. Project Type:  Residential  Commercial  Industrial  Other: Airfield Improvements at BTV

8. Total Area of Disturbance: 6.30 acres

9. Description of construction activities to be permitted (below):  
Proposed project consists of the full depth reconstruction and shoulder widening of Taxiway 'B' at the Burlington International Airport. Construction will consist of full depth excavation, aggregate base course, bituminous concrete pavement, pavement markings, taxiway edge lighting, airport electrical construction, installing temporary and permanent erosion prevention and sediment control measures, topsoiling and seeding. This project is located within the airfield side of the airport.

#### 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): May 16, 2013

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: Heather Kendrew for Burlington Airport Date: 5/15/13

Principal Operator: Heather A. Kendrew, P.E. Title: Director of Maintenance/Engineering/Enviro  
(if known)

Signature: Heather Kendrew for Burlington Airport Date: 5/15/13

Application Preparer: Douglas M. Campbell, P.E. Title: Project Engineer (Stantec)  
(if applicable)

Signature: Douglas M. Campbell Date: 5/15/2013

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

<sup>2</sup>"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 3028-9020.9.

Dated this 18th day of June, 2013

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](http://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](http://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**



<b>Project Name: Burlington International Airport- Reconstruct, Mark, Light, Sign Taxiway 'B'</b>	<b>Notice of Intent Number:3028-9020.9</b>
<b>Permittee Name: City of Burlington</b>	<b>Date of Authorization: 6/18/2013</b>
	<b>Date of Expiration: 6/18/2015</b>

**The project listed above has received authorization under General Permit 3-9020 to discharge stormwater from the following construction activities:** Reconstruction and shoulder widening of Taxiway 'B'.

**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. 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 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).

**BURLINGTON INTERNATIONAL AIRPORT**

**Permit #3028-9020.10  
Reconstruct Cargo Apron – Phase I**

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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](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)

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## Notice of Authorization

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



**Project Name:** BTV Airport- Reconstruct Cargo Apron  
**Notice of Intent Number:** 3028-9020.10

BTV Airport- Reconstruct Cargo Apron

**Permittee Name:**

**Date of Authorization:** 8/8/2013

City of Burlington

**Date of Expiration:** 8/8/2015

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

Removal and replacement of structural pavement on the 890 Ramp (Air Cargo Ramp). Work includes the removal and replacement of a catch basin and approximately 60 linear feet of storm drain utilities.

**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. All Discharges of Stormwater must pass through at least 50 ft of vegetated buffer before reaching receiving waters.
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

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

**Low Risk Sites**

Under Vermont Construction General Permit 3-9020

Received 7-29-2013 AKC

For Department Use Only  
NOI Number: 3028-9020.10



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): \_\_\_\_\_  
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: \_\_\_\_\_  
3. Contact Information  
a. Phone: Same as A b. Fax: \_\_\_\_\_ c. Email: Same as A

**C. Application Preparer Information (if applicable)**

1a. Name: Luke Garrison 1b. Contact (if applicable): \_\_\_\_\_  
2. Mailing Address: 2 Executive Park Drive  
a. Street/P.O. Box: \_\_\_\_\_  
b. City/Town: Bedford c. State: New Hampshire d. Zip: 03110  
3. Contact Information  
a. Phone: 603-518-1782 b. Fax: \_\_\_\_\_ c. Email: luke.garrison@jacobs.com

See Filing Directions for Low Risk Projects

**D. Project Information**

1. Project Name: Reconstruct Cargo Apron - Phase I

2a. Is this project part of a Common Plan of Development<sup>1</sup>?  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: 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)<sup>2</sup>: Shelburne Bay Direct Drainage (VT05-11) 6. Include a topographic location map.

7. Project Type:  Residential  Commercial  Industrial  Other: Airport

8. Total Area of Disturbance: 1.77 acres 9. Description of construction activities to be permitted (below):

This project consists of the removal, replacement, and/or resurfacing of structural concrete pavement and the removal and replacement 'in-kind' of one catch basin and approximately 60 linear feet of associated storm drain piping on the 890 Ramp (Air Cargo Ramp).

**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): 7-16-2013

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:  Date: 7-16-13

Principal Operator: Heather Kendrew for Burlington Airport Title: Director of Maintenance & Engineering

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Application Preparer: Luke Garrison Title: Civil Engineer/Project Manager

Signature:  Date: 7-15-2013

<sup>1</sup>"Common Plan of Development" is defined within the CGP 3-9020, Appendix C – Definitions, page A-12  
<sup>2</sup>"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 \_\_\_\_\_-9020.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

David K. Mears, Commissioner Department of Environmental Conservation

By: \_\_\_\_\_  
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](http://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](http://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

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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 F**

**Operational Stormwater Discharge Permits  
Issued in 2013**

- **Permit #3028-INDS.3  
Aircraft Sewage Receiving Station**

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VERMONT

Vermont Department of Environmental Conservation  
Watershed Management Division  
1 National Life Drive, Main 2  
Montpelier, VT 05620-3522

*BTV Sewage Receiving Station  
195310775  
File, Jan, Doug, Harry*

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 15<sup>th</sup> 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](mailto:anr.wsmdstormwatergeneral@state.vt.us)

This report shall include, at a minimum items c.i. through c.vii. below. The permittee(s) may utilize the Annual Inspection Report form available from the Stormwater Program if determined by inspector to be sufficient to fully document inspection and maintenance of the authorized system.

- i. Unless previously submitted by the permittee(s) under a previously issued authorization or discharge permit, the first report shall include an inspection and designer's certification that the project was built in compliance with the Approved Project Design per #11 above;
- ii. A description of any vegetated areas that require mowing or other maintenance;
- iii. A description of any catch basins that require maintenance or sediment removed from sumps;
- iv. A description of any illicit discharges to the system (illicit discharges would include dumping of oil, gas, detergent, vehicle wash water, etc.) and corrective action/preventative measures taken if applicable;
- v. A description of any re-routing of stormwater to avoid the system;
- vi. A description of any erosion noted during inspection (i.e. areas of exposed soil in channels, outlets, or on pond berms);

- vii. A description of any cleaning, maintenance operations, or repairs needed to maintain design specifications, including a schedule for correction of any identified deficiencies;
  - d. Should any erosion problems occur, the permittee is required to immediately correct any such problems.
  - e. Any basins, grass channels, or related stormwater devices used during construction for erosion control shall be inspected and cleaned to design specifications immediately after construction has been completed.
- 13. Description of Required Offset: In order to meet the statutory standard for new discharges set forth in 10 V.S.A. §1264 and the Stormwater Management Rule for Stormwater-Impaired Waters, the permittee has demonstrated that the project will not increase the pollutant load over existing conditions. This has been accomplished by treatment of stormwater runoff from new and existing impervious surfaces through infiltration. The project achieves a net reduction in sediment loading to Potash Brook of 166 pounds per year.
- 14. Secretary's Determination: The Secretary has determined that this project meets the requirements of the Agency's 2002 Stormwater Management Manual and does not increase the sediment or hydrologic load of the receiving stormwater-impaired waters. The Secretary has determined that the proposed discharge will not reduce the quality of the receiving waters below the classification established for them.
- 15. Personnel and Training Requirements: Such personnel and training as necessary to fulfill the requirements of #12 above.
- 16. Monitoring and Reporting Requirement: No monitoring required; reporting requirement as specified in #12 above.
- 17. Other Requirements:
  - a. Treated stormwater runoff is the only waste authorized for disposal under the terms and conditions of this permit. The discharge of any hazardous materials or hazardous waste into the stormwater management system is prohibited.
  - b. The issuance of this permit does not relieve the permittee from the responsibility to obtain any other local, state or federal permits required by law.
- 18. Compliance with Anti-degradation and Water Quality Standards: The Secretary has determined that the permitted discharges satisfy Vermont's Anti-degradation Policy provided in Section 1-03 of the Vermont Water Quality Standards and the Department of Environmental Conservation's Interim Anti-degradation Implementation Procedure because the applicant has demonstrated how the proposed development will implement practices and offset projects as necessary to ensure water quality is maintained in receiving waters. In particular, the applicant has demonstrated how the proposed development will implement appropriate best management practices (BMPs) designed in accordance with the requirements of the Vermont Stormwater Management Manual, Volume I and as necessary offset projects in accordance with Chapter 22: Stormwater Management Rule for Stormwater-Impaired Waters. These BMPs and offset projects where necessary will manage and mitigate the proposed stormwater discharge from the project such that no lowering of water quality is expected to occur in the receiving waters.

19. Renewable Energy Projects – Right to Appeal to Public Service Board:

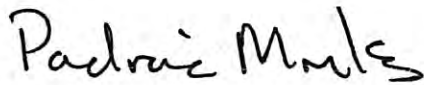
Any appeal of this decision must be filed with the clerk of the Vermont Public Service Board pursuant to 10 V.S.A. §8506 within 30 days of the date of this decision. The appellant must file with the Clerk an original and six copies of its appeal. The appellant shall provide notice of the filing of an appeal in accordance with 10 V.S.A. §8504(c)(2), and shall also serve a copy of the Notice of Appeal on the Vermont Department of Public Service. For information, see the Rules and General orders of the Public Service Board available on line at [www.psb.vermont.gov](http://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](http://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 4<sup>th</sup> 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 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)

### Not Constructed to Date

- Permit #3028-INDS.2  
Vermont Aviation Center  
(formerly entitled Burlington Aviation  
Technical Center & Vermont Flight Academy)

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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](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 15<sup>th</sup> 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 15<sup>th</sup> of each year or by July 30<sup>th</sup> 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

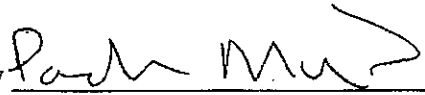
serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings. For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at [www.vermontjudiciary.org](http://www.vermontjudiciary.org). The address 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 22<sup>nd</sup> 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.

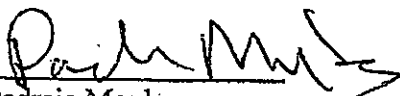
12. Maintenance and Maintenance Reporting Requirements:
  - a. The basins, swales, and related stormwater collection, treatment and control system shall be maintained in good operating condition at all times and shall be inspected annually and cleaned as necessary to maintain design specifications. The inspections shall be conducted between the conclusion of spring snow melt and June 15<sup>th</sup> 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](http://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 13<sup>th</sup> 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 15<sup>th</sup> 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:

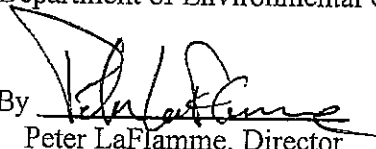
- a. Treated stormwater runoff is the only waste authorized for disposal under the terms and conditions of this permit. The discharge of any hazardous materials or hazardous waste into the stormwater management system is prohibited.

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](http://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.

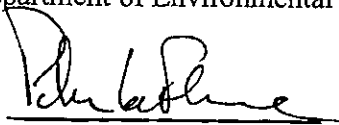
The *Stormwater Site Balancing Procedure* was utilized to meet applicable treatment standards for this drainage area as follows: Runoff from additional existing impervious areas are provided treatment and detention to balance new impervious areas that discharge to S/N 001 and S/N 002 without treatment 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 15<sup>th</sup> 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](http://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](mailto:stormwater@state.vt.us). Additional Stormwater Management Program contact information and stormwater permitting information is available at [www.vtwaterquality.org](http://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](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 1<sup>st</sup> and June 1<sup>st</sup> 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](http://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](http://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 20<sup>th</sup> 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**

**Not Constructed to Date**

**Permit #3028-INDS.2  
Vermont Aviation Center  
(formerly entitled Burlington Aviation  
Technical Center & Vermont Flight Academy)**

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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] 802-338-4839

December 7, 2011

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

**RECEIVED**

**DEC 12 2011**  
**STANTEC**  
**SOUTH BURLINGTON, VT**

**Re: Discharge Permit # 3028-INDS.2**

Dear Heather:

Enclosed is your copy of Discharge Permit #3028-INDS.2. The permit authorizes the discharge of treated stormwater runoff from your proposed project, Burlington Aviation Technical Center & Vermont Flight Academy in South Burlington, Vermont, to wetlands contiguous to Muddy Brook.

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) 338-4839.

Sincerely,

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

Kevin Burke  
Environmental Analyst  
Stormwater Management Program

Enclosures

cc: ✓ Todd Duguay, PE, Stantec Consulting Services, Inc.  
Peter Keibel, Act 250 District Coordinator, Essex Jct.

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STATE OF VERMONT  
AGENCY OF NATURAL RESOURCES  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**STORMWATER DISCHARGE PERMIT**

STORMWATER RUNOFF TO WATERS OF THE STATE

In compliance with provisions of 10 V.S.A. §1264 and the Stormwater Management Rule and in accordance with "Terms and Conditions" hereinafter specified,

Burlington International Airport  
1200 Airport Drive, #1  
South Burlington, VT 05403  
(Impervious area: 2.31 acres)

the permittee, is hereby granted permission to discharge stormwater runoff from Burlington International Airport, Burlington Aviation Technical Center & Vermont Flight Academy located at Eagle Drive in South Burlington, Vermont to wetlands contiguous to Muddy Brook.

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(s), 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: Wetlands contiguous to Muddy Brook
8. Manner of Discharge:

S/N 001: All runoff in this subcatchment will flow towards two bioretention areas and receive water quality treatment by filtering through a bioretention medium. A portion existing impervious area, 0.82 AC, from Eagle Drive will flow into our proposed treatment system. The treated water, and waters greater than the 0.9" storm event will flow to a detention pond which will control the outlet flow rate. The New impervious area in this subcatchment is less than 10 acres.

S/N 002: All runoff in this subcatchment will be collected in a catchbasin and will directly outlet to the wetland. The new impervious area drainage to this point will be offset via site balancing at discharge point S/N 001. New impervious area in this subcatchment is less than 10 acres.

S/N 003: All runoff in this subcatchment will sheet flow off the roadway directly into the wetland. The new impervious area drainage to this point will be offset via site balancing at discharge point S/N 001. New impervious area in this subcatchment is less than 10 acres.

S/N 004: All runoff in this subcatchment will sheet flow off the detention basin access road. This impervious area will receive water quality treatment through disconnection of non-rooftop runoff. New impervious area in this subcatchment is less than 10 acres.

*The Site Balancing Procedure for the Discharge of Stormwater Runoff from the Expansion or Redevelopment of Impervious Surfaces* was utilized to meet applicable treatment standards for this project.

9. Wastes Permitted: Stormwater runoff from S/N 001 through S/N 004 of the Burlington International Airport, Burlington Aviation Technical Center & Vermont Flight Academy project after treatment from bioretention and detention, and through disconnection.
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. (Drawing No. SP1-Sheet 115, dated 6/03/11; Drawing No. 1-Sheet 116, dated 01/27/11; Drawing No. 1-Sheet 117, dated 01/27/11; Drawing No. TS1-Sheet 118, dated 6/03/11; Drawing No. TS2-Sheet 119, dated 6/03/11; Drawing No. GP1-Sheet 120, dated 6/03/11; Drawing No. DD1-Sheet 121, dated 6/03/11; Drawing No. DD2-Sheet 122, dated 6/03/11; Drawing No. DD3-Sheet 123, dated 6/03/11; Drawing No. DD4-Sheet 124, dated 6/03/11; Drawing No. DD5-Sheet 125, dated 6/03/11); and the following site plans and details prepared by Michael Lawrence Associates (Sheet 1-Drawing 126, and Sheet 2-Drawing 127, both dated 6/03/11); and supporting information).

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


12. Maintenance 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 15<sup>th</sup> 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 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 erosion problems occur, the permittee is required to immediately correct any such problems.
  - e. Any basins, grass channels, or related stormwater devices used during construction for erosion control shall be inspected and cleaned to design specifications immediately after construction has been completed.
13. 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. Compliance with Anti-degradation and Water Quality Standards: The Secretary has determined that the permitted discharges satisfy Vermont's Anti-Degradation Policy described in the Department of Environmental Conservation's Interim Anti-Degradation Implementation Procedure, because the procedure allows a presumption of compliance for discharges that are in compliance with the Vermont Stormwater Management Manual and any additional best management practices that will be used to control the stormwater discharge as described in Section IX.D.1.d. of the Department's Interim Anti-Degradation Implementation Procedure. The Secretary has also determined that for such discharges that qualify for the presumption under IX.D.1.d, all existing uses of surface waters, and the level of water quality necessary to protect those existing uses will be maintained and protected. The Secretary has determined that if the permittee is in full compliance with all permit conditions, including approved plans, monitoring, reporting and recordkeeping conditions, and is fully implementing stormwater BMPs required by this permit, the permitted discharges will meet the requirements of the Vermont Stormwater Management Manual and qualify for the presumption described in Section IX.D.1.d. of the Department's Interim Anti-Degradation Implementation Procedure and will be presumed to comply with the Vermont Water Quality Standards, including but not limited to §1-03 (Anti-degradation Policy).
17. 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](http://www.vermontjudiciary.org). The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. #802-828-1660).

18. Dated at Winooski, VT this 7<sup>th</sup> day of December, 2011

David K. Mears, Commissioner  
Department of Environmental Conservation

By   
Padraic Monks, Program Manager  
Stormwater Management Program

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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:

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 001 (North Outfall)	
1. Coordinate w/wildlife officials for removal of beaver dam at pond.	30 Sep 2014
2. Remove sediment from attenuation pond and restore banks.	30 Sep 2014
3. Restore attenuation pond inlet pipe.	30 Sep 2014
4. Restore attenuation pond overflow structure.	30 Sep 2014
5. Restore attenuation pond outlet pipe.	30 Sep 2014
6. Remove trash from inside swirl chamber at rental parking lot	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 002 (North End Terminal Expansion)	
1. See Permit #6-0075 (Aircraft Deicing Fluid Treatment Facility, Main Apron and NOTE2) for three short term maintenance recommendations.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 003 (Westerly of Runway 15 End Overrun)	
1. Remove sediment from S1.009 and S1.014.	30 Sep 2014
2. Excavate and raise rims to grade: CB S1.002.0 and S1.002.1.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 004 (Sand Filter near Gate #2)	
1. Remove sediment from S1.039.1 and S1.040.1.	30 Sep 2014
2. Clean inverts of culvert, install outlet protection, S1.071 and S1.072.	30 Sep 2014
3. Re-set concrete cable matting in bottom of the Sand Filter forebay.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 004 (Sand Filter near Gate #2)	
4. Remove sod from tops of basin pipeline cleanout covers.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 005 (Pratt and Whitney)	
1. Remove vegetation from catch basin grates at S3.010.4.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 006 (Eagle Drive)	
1. LONG TERM: Replace culvert beneath Aviation Avenue.	2018

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 007 (Westerly side of Aviation Support Hangar)	
1. Remove sediment from S1.009.9.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 008 (South End Development, Phase 2 SED)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028 – 9010.A S/N 009 (Quarry Overflow Parking)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 1-1391 S/N 001 (South Terminal Apron and T/W 'A')	
1. Remove sediment from S2.027.2.2; S2.028.7; and S2.028.8.	30 Sep 2014
2. Remove brush, stake location of discharge point PO05=S2.020.	30 Sep 2014
3. Remove vegetation from catch basin grate at S2.022	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 1-0839 S/N 002 (Both edges of R/W 1-19, south of T/W 'A' and T/W 'B')	
1. Stabilize the bank above CB S2.003.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.A S/N 001 (along T/W 'K', under T/W 'C' and T/W 'J')	
1. Remove sediment from S4.010 through S4.015.	30 Sep 2014

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. Remove sediment from S1.003.4.0.	30 Sep 2014
2. Clean inverts of culvert under TW/G and install outlet protection, S1.069 and S1.070.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 002 (along T/W 'F' and National Guard Avenue)	
1. Remove sediment from S6.010.2 and S6.023.	30 Sep 2014
2. Remove brush from catch basin grates at S6.017.	30 Sep 2014
3. Flush and clean catch basins and related piping at S6.019.1 through S6.019.5, known as BMP 13. IMPROVING	30 Sep 2014
4. Install a stone discharge apron, Discharge Point NG002N=S6.008	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-INDS.1 S/N 003 (along T/W 'F' and National Guard Avenue)	
1. Not Burlington Airport responsibility.	N/A

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. Remove sediment from S4.017.3.	30 Sep 2014

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. Remove vegetation from inlet apron at S4.006.6.	30 Sep 2014

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, bio-retention basin)	
1. Clean debris trapped behind the basin inlet pipes S3.018.0 and S3.019.0; fill at aprons as needed.	30 Sep 2014

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. Discharge pump appears to be pumping at a flowrate of less than 200 gpm. The pump may have a clogged inlet, require maintenance of the impeller, or simply has outlived its service life. Further investigation is recommended.	30 June 2014
2. Shutoff valve installed in the North Glycol Infiltration Field Distribution Manhole cannot be fully opened due to the proximity of the handle to the structure's side wall. Cut off a portion of the valve handle in order to allow the valve to be turned to the fully open position.	30 June 2014
3. A leak at the interface between the pump station weir and the structure wall needs to be plugged to eliminate glycol from leaking past the weir during low runoff precipitation events.	30 June 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 6-0117 Aircraft Deicing Fluid Treatment System, 890 Ramp	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 1. (corner of Airport Drive and Williston Road)	
1. Remove sediment from S2.040.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 2. (Along Williston Road)	
1. N/A. Area is not the responsibility of BTV.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 3. (Valley Road)	
1. Remove sediment from S3.028.0 and S3.028.1.	30 Sep 2014
2. Remove brush from channel beneath landscaping box, 3060 Valley Road. (S3.031.2)	30 Sep 2014
3. Fill in and add stone discharge apron, discharge point MU05.	30 Sep 2014
4. Remove the brush and trees from atop S3.024 and S3.025.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 4. (Valley Road, south side of the Valley)	
1. Remove sediment from S3.036.0.	30 Sep 2014
2. Remove brush from S3.033, S3.034, S3.038, S3.039, and S3.040.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 5. (T/W 'K' near General Aviation Apron)	
1. None required.	N/A

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 6. (vicinity of Building 6)	
1. Remove sediment from S2.041.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 7. (along Airport Drive)	
1. Remove sediment from S1.016.11.3.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 8. (along service road, TW/A and TW/G)	
1. Remove sediment from S1.021.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 9. (Trench drain along TW/A and PAX Terminal)	
1. Remove sediment from S1.026; S1.034; S1.035; and S1.036.	30 Sep 2014
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 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 11. (FAA Tower and other parking areas)	
1. Remove sediment from S1.047.2.1; S1.047.2.2; S1.047.3.0; S1.047.3.1; S1.047.3.2; and S1.047.3.4.	30 Sep 2014
2. Remove vegetation from catch basin grates at S1.047.6.0; S1.047.6.1; S1.047.7; and S1.047.8.	30 Sep 2014
3. Clean soil and other materials from the trench drain at the exit of the parking garage structure at S1.047.3.3.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 12. (Parking lot, FAA Tower, Passenger loading area)	
1. Remove sediment from S1.050.4; S1.061.1; S1.064.2.1; S1.064.3; and S1.068.	30 Sep 2014
2. Remove vegetation from catch basin grates at S1.053.1; S1.053.2; S1.065; S1.067; and S1.068.	30 Sep 2014
3. Repairs to be made around the rim.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
MS-4 Permit 13. (Grounds Maintenance Garage and Aviatron)	
1. Remove vegetation from catch basin grates at <del>S3.002</del> and S3.006.	30 Sep 2014
2. Clean brush from discharge apron S3.005.	30 Sep 2014

PERMIT NUMBER/DISCHARGE SERIAL NUMBER	ANTICIPATED COMPLETION DATE
Permit 3028-9015.1 S/N 002 (Quarry Area Access Road)	
1. Re-establish growth on slopes and in grass swales.	30 Sep 2014
2. Repair erosion which has occurred in the northern grass swale.	30 Sep 2014