



Temporary Permit

Permit No: **TP-0078**
Date Issued: **March 28, 2012**
Administrative Permit Amendment: **August 16, 2012**

This certifies that:

North Country Environmental Services, Inc.
25 Greens Hill Lane
Rutland, VT 05701

has been granted a Temporary Permit for:

A Municipal Landfill and a Landfill Gas Flare

at the following facility and location:

North Country Environmental Services, Inc.
581 Trudeau Road
Bethlehem, NH

Facility ID No: **3300990255**
Application No: **FY04-0469**, received June 14, 2004
08-0006, received January 7, 2008 with additional information received May 13, 2011
08-0075, received April 14, 2008
11-0070, received May 9, 2011
12-0122, received July 19, 2012

which includes devices that emit air pollutants into the ambient air as set forth in the permit applications referenced above which were filed with the New Hampshire Department of Environmental Services, Air Resources Division (Division) in accordance with RSA 125-C of the New Hampshire Laws. Request for permit renewal must be received by the Division at least 90 days prior to expiration of this permit and must be accompanied by the appropriate permit application forms.

This permit is valid upon issuance and expires on **September 30, 2013**.

Craig M. Wright
COPY

Acting Director
Air Resources Division

Frequently Used Abbreviations and Acronyms

AAL	Ambient Air Limit
acf	actual cubic foot
ags	above ground surface
ASTM	American Society of Testing and Materials
Btu	British thermal units
CAS	Chemical Abstracts Service
cfm	cubic feet per minute
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DER	Discrete Emission Reduction
DES	New Hampshire Department of Environmental Services
Env-A	New Hampshire Code of Administrative Rules – Air Resources Division
ERC	Emission Reduction Credit
ft	foot or feet
ft ³	cubic feet
gal	gallon
HAP	Hazardous Air Pollutant
hp	horsepower
hr	hour
kW	kilowatt
lb	pound
LPG	Liquefied Petroleum Gas
Mg	Megagram
MM	million
MSDS	Material Safety Data Sheet
MW	megawatt
NAAQS	National Ambient Air Quality Standard
NESHAP	National Emission Standards for Hazardous Air Pollutants
NG	Natural Gas
NO _x	Oxides of Nitrogen
NSPS	New Source Performance Standards
PM ₁₀	Particulate Matter < 10 microns
ppm	parts per million
psi	pounds per square inch
RACT	Reasonably Available Control Technology
RSA	Revised Statutes Annotated
RTAP	Regulated Toxic Air Pollutant
scf	standard cubic foot
SO ₂	Sulfur dioxide
TSP	Total Suspended Particulate
tpy	tons per consecutive 12-month period
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

North Country Environmental Services, Inc.

I. Facility Description

North Country Environmental Services, Inc. (NCES) owns and operates a RCRA Subtitle D non-hazardous municipal solid waste landfill. The NCES landfill has a waste deposition area of approximately 42 acres. The landfill gas flare covered by this Temporary Permit is a component of an active landfill gas collection and control system.

II. Emission Unit Identification

This permit covers each emission source or device identified in Table 1.

Table 1 – Emission Unit Identification				
Emission Unit ID	Area Source or Device Name	Manufacturer Model	Startup Date	Maximum Permitted Capacity Permitted Fuel Type Nominal Maximum Fuel Flow Rate ¹
EU01	Landfill (active)	Not applicable	1976	3.57 million Megagrams
EU02	Open Flare	R. I. Baker Company, Inc. RIB – 10” x 30”	2000	52.5 MMBtu/hr ² 0.105 mmcf/hr of landfill gas

III. Pollution Control Equipment Identification

The emission unit listed in Table 1 as EU02 are also identified as an air pollution control device, which shall be operated in a manner consistent with the terms and conditions of this permit at all times.

IV. Stack Criteria

A. The following devices at the Facility shall have exhaust stacks that discharge without obstruction and meet the criteria in Table 2:

Table 2 – Stack Parameters				
Emission Unit ID	Device Name	Exit Orientation	Discharge Height above Ground (ft)	Max. Inside Diameter (ft)
EU02	Landfill Gas Flare ³	vertical	30	0.83

B. Stack criteria described in Table 2 may be changed without prior approval from the Department provided that:

1. An air quality impact analysis with the revised stack parameters has been performed either by the Facility or the Department (if requested by the Facility in writing) in accordance with Env-A 606, *Air Pollution Dispersion Modeling Impact Analysis Requirements*, and the “Guidance and Procedure for Performing Air Quality Impact Modeling in New Hampshire;”
2. The analysis demonstrates that emissions from the modified stack(s) will continue to comply with all applicable emission limitations and ambient air limits; and

C. All air modeling data and analyses are kept on file at the Facility for review by the Department upon request.

D. The Owner or Operator shall provide written notification to the Division of the stack change within 15 days after making the change. Such notification shall include:

1. A description of the change; and
2. The date on which the change occurred

¹ Nominal maximum fuel flow rate is based on an assumed HHV of 500 Btu/scf for landfill gas.

² Maximum permitted capacity is stated in units of million BTU’s per hour of heat input, based on the higher heating (HHV) value of the fuel.

³ Stack, in the case of the landfill gas flare, shall mean the entire vertical riser, flare tip, and windshield assembly.

North Country Environmental Services, Inc.

V. Operating and Emission Limitations

The Owner or Operator shall be subject to the operating and emission limitations identified in Table 3.

Table 3 – Operating and Emission Limitations			
Item #	Applicable Requirement	Applicable Emission Unit(s)	Regulatory Basis
1	<p><u>Precautions to Prevent, Abate, and Control Fugitive Dust</u></p> <p>The Owner or Operator shall take precautions at all times to prevent, abate, and control the emission of fugitive dust, including but not limited to such measures as wetting, covering, or vacuuming.</p>	Facility-wide	Env-A 1002.04
2	<p><u>Emission Limitations for Regulated Toxic Air Pollutants (RTAPs)</u></p> <p>The emissions of any Regulated Toxic Air Pollutant (RTAP) shall not cause an exceedance of its associated 24-hour or annual Ambient Air Limit (AAL) as set forth in Env-A 1450.01, <i>Table Containing the List Naming All Regulated Toxic Air Pollutants</i>.</p>	Facility-wide	Env-A 1400
3	<p><u>Revisions to List of RTAPs</u></p> <p>In accordance with RSA 125-I:5 IV, if the Department revises the list of RTAPs or their respective AALs or classifications under RSA 125-I:4, II and III, and as a result of such revision the Owner or Operator is required to obtain or modify the permit under the provisions of RSA 125-I or RSA 125-C, the Owner or Operator shall have 90 days following publication of notice of such final revision in the New Hampshire Rulemaking Register to file a complete application for such permit or permit modification.</p>	Facility-wide	RSA 125-I:5 IV
4	<p><u>NSPS Requirements for Municipal Solid Waste Landfills</u>⁴</p> <p>The Owner or Operator shall comply with all applicable parts of 40 CFR Part 60, Subpart WWW, <i>Standards of Performance for Municipal Solid Waste Landfills</i>.</p>	Facility-wide	40 CFR Subpart WWW
5	<p><u>Landfill Gas Collection System Enhanced Monitoring Protocol and Standard Operating Procedures(EMP/SOP)</u></p> <p>The facility shall operate the collection and control system in accordance with provisions specified in a Landfill Gas Collection System EMP/SOP as approved by the Department.</p> <p>a) Any revision to the EMP/SOP shall be submitted and approved prior to facility implementation; and</p> <p>b) The EMP/SOP shall be reviewed at least annually to determine if changes need to be implemented to improve monitoring or operations of the system.</p>	Facility Wide	Env-A 604.01

⁴ The Facility became subject to NSPS and Title V requirements when the permitted solid waste capacity reached 2.5 million megagrams (2.76 million tons).

North Country Environmental Services, Inc.

Table 3 – Operating and Emission Limitations

Item #	Applicable Requirement	Applicable Emission Unit(s)	Regulatory Basis
6	<p><u>Particulate Emission Standard for Fuel-Burning Devices Installed on or after January 1, 1985</u></p> <p>For each fuel-burning device having a maximum gross heat input rate less than 100 MMBtu/hr, particulate emissions shall not exceed 0.30 lb/MMBtu.</p>	EU02	Env-A 2002.08(c)(1)
7	<p><u>Visible Emission Standard</u></p> <p>The average opacity from any fuel-burning device installed after May 13, 1970, shall not exceed 20 percent for any continuous 6-minute period.⁵</p>	EU02	Env-A 2002.02
8	<p><u>Activities Exempt from Visible Emission Standard</u></p> <p>The average opacity shall be allowed to be in excess of the standard specified in Env-A 2002.02 for one period of 6 continuous minutes in any 60-minute period during startup, shutdown, or malfunction.</p>	EU02	Env-A 2002.04(c)
9	<p>The flare shall be operated with a flame present at all times when landfill gas is delivered to the flare as determined by the methods specified in Table 4, Item 3.</p>	EU02	Env-A 604.01
10	<p>The flare (EU02) has been installed for the purpose of controlling landfill gas emissions, and shall be operated in compliance with state and federal air quality standards and applicable emission standards for municipal solid waste landfills. All gas collected in the Facility's landfill gas collection system shall be controlled (combusted) by the flare at all times or transferred to a device permitted to combust Landfill Gas. Bypassing collected landfill gas without control for any cause is prohibited.</p>	EU02	Env-A 1403.01
11	<p><u>Operating Requirements for Pollution Control Equipment</u></p> <p>The Owner or Operator shall operate and maintain the landfill gas flare in accordance with the recommended procedures and maintenance schedules of the respective equipment manufacturers.</p>	EU02	Env-A 604.01

⁵ Compliance with visible emission limitations shall be determined using 40 CFR 60, Appendix A, Method 9, upon request by the Department.

Table 3 – Operating and Emission Limitations

Item #	Applicable Requirement	Applicable Emission Unit(s)	Regulatory Basis
12	<p><u>Inactive Asbestos Waste Disposal Sites</u></p> <p>a) For any inactive waste disposal site that received deposits of asbestos-containing waste material, the Permittee shall comply with one of the following:</p> <ol style="list-style-type: none"> 1) Discharge no visible emissions to the outside air from an inactive waste disposal site; or 2) Cover the asbestos-containing waste material with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, and grow and maintain a cover of vegetation on the area adequate to prevent exposure of the asbestos-containing waste material; or 3) Cover the asbestos-containing waste material with at least 60 centimeters (2 feet) of compacted nonasbestos-containing material, and maintain it to prevent exposure of the asbestos-containing waste. <p>b) Unless a natural barrier adequately deters access by the general public, install and maintain warning signs and fencing or comply with a)2 or a)3 above. The warning signs shall be displayed at all entrances at intervals of 100 m (328 ft) or less along the property line or along the perimeter of the sections where asbestos-containing waste material was deposited and shall meet the specifications of 40 CFR 61.151(b). The perimeter shall be fenced in a manner adequate to deter access by the general public.</p> <p>c) Notify EPA and DES in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material. The notification shall include the following:</p> <ol style="list-style-type: none"> 1) Scheduled startup and completion dates, 2) The reason for disturbing the waste, 3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material, 4) Location of any temporary storage site and the final disposal site. <p>d) Within 60 days of a site becoming inactive, record a notation on the deed to the facility property, in accordance with state law, and on any other instrument that would normally be examined during a title search that the land has been used for the disposal of asbestos-containing materials; the survey plot and a record of location and quantity of asbestos-containing waste disposed has been filed with EPA; and the site is subject to 40 CFR Part 61 Subpart M.</p>	EU01	40 CFR 61.151

North Country Environmental Services, Inc.

VI. Monitoring/Testing Requirements

The Owner or Operator shall be subject to the monitoring/testing requirements identified in Table 4.

Table 4 – Monitoring/Testing Requirements					
Item #	Parameter(s)	Method of Compliance	Frequency	Applicable Emission Unit(s)	Regulatory Basis
1	Various Parameters	<p><u>Landfill Gas Collection System Enhanced Monitoring Protocol and Standard Operating Procedures (EMP/SOP)</u></p> <p>The facility shall monitor and test the control system in accordance with provisions specified in a Landfill Gas Collection System EMP/SOP as approved by the department.</p>	As approved in the EMP/SOP	Facility Wide	RSA 125-C:6 XI
2	Opacity Measurement	<p><u>Opacity Testing</u></p> <p>Opacity measurements shall be conducted following the procedures set forth in 40 CFR 60, Appendix A, Method 9, <i>Visual Determination of the Opacity of Emissions from Stationary Sources</i>.</p>	Upon request by DES/EPA	Facility-wide	Env-A 807.02
3	Flame Presence	<p><u>Flare Flame Monitoring</u></p> <p>The owner or operator shall install, calibrate, maintain, and operate according to the manufacturer's specifications the following equipment:</p> <ol style="list-style-type: none"> a) A heat sensing device, such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself to indicate the continuous presence of a flame. b) A device that records flow to or bypass of the flare. The owner or operator shall either: <ol style="list-style-type: none"> 1) Install, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes; or 2) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism shall be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line. 	Continuous	EU02	RSA 125-C:6 XI

North Country Environmental Services, Inc.

Table 4 – Monitoring/Testing Requirements

Item #	Parameter(s)	Method of Compliance	Frequency	Applicable Emission Unit(s)	Regulatory Basis
4	Landfill gas flow rate	<p><u>Monitoring of Landfill Gas Flow Rate</u></p> <p>Flow measuring instrumentation shall be operated and maintained at all times to measure the instantaneous flow rate and totalized flow, corrected for standard temperature and pressure, to the control device.</p>	Continuous	EU02	RSA 125-C:6 XI
5	Annual Landfill Gas Generation Rate	<p><u>Calculation of Annual LFG Generation Rate</u></p> <p>a) The Owner or Operator shall calculate the predicted annual LFG generation rate and predicted annual gas collection rate in each of the next 25 years, at a minimum. Predicted annual LFG generation rates shall be developed using the latest version of USEPA's LandGEM⁶ model with appropriate input values of k and L_o. Landfill gas collection efficiencies shall be based on EPA guidance for the appropriate cover type or as approved by DES for the appropriate cover type.</p> <p>b) The predicted gas collection rates shall be compared with existing and planned landfill gas control capacities to assess future capacity needs.</p>	Annually	EU01	RSA 125-C:6 XI

⁶ USEPA, Landfill Gas Emissions Model (LandGEM) version 3.02, May 2005, or newer versions.

Table 4 – Monitoring/Testing Requirements

Item #	Parameter(s)	Method of Compliance	Frequency	Applicable Emission Unit(s)	Regulatory Basis
6	NMOC Emissions	<p><u>NSPS Calculation of NMOC Emission Rate</u></p> <p>The Owner or Operator shall either design, install, and operate a landfill gas collection and control system complying with 40 CFR 60.752(b)(2) or calculate an NMOC emission rate for the landfill using the procedures specified in 40 CFR 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR 60.757(b)(1)(ii).</p> <p>a) If the calculated NMOC emission rate is less than 50 Mg per year, the Owner or Operator shall:</p> <ol style="list-style-type: none"> 1) Submit an annual emission report to the Department, except as provided for in 40 CFR 60.757(b)(1)(ii); and 2) Recalculate the NMOC emission rate annually using the procedures specified in 40 CFR 60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 Mg per year, or the landfill is closed. <p>b) If the NMOC emission rate, upon recalculation, is equal to or greater than 50 Mg per year, the Owner or Operator shall design, install, and operate a collection and control system in compliance with 40 CFR 60.752(b)(2).</p>	Annually	EU01	40 CFR 60.752(b) (Subpart WWW)
7	Landfill gas constituent concentrations	<p><u>Testing of Landfill Gas Composition</u></p> <p>a) The Owner or Operator shall perform tests of landfill gas composition at the designated frequency. For each required sampling event, three samples shall be taken at the main gas collection system header just upstream from the leachate knockout box by approved sample collection methods.</p> <p>b) Analyses shall be performed for the following landfill gas constituents in accordance with the referenced methods or other approved DES methods:</p> <ol style="list-style-type: none"> 1) methane, carbon dioxide, nitrogen, oxygen [40 CFR 60, Appendix A, Method 3C]; 2) total reduced sulfur (TRS) [ASTM 5504]; and 	<p>Tri-annually except as noted in the EMP/SOP</p>	EU01	RSA 125-C:6 XI
		3) total NMOC [40 CFR 60, Appendix A, Method 25C].	Every 5 years		

VII. Recordkeeping Requirements

The Owner or Operator shall be subject to the recordkeeping requirements identified in Table 5.

Table 5 – Recordkeeping Requirements				
Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
1	<p><u>Record Retention and Availability</u></p> <p>The Owner or Operator shall keep the records required by this permit on file. These records shall be available for review by the Department upon request.</p>	Continuous for a minimum of 5 years	Facility-wide	Env-A 902.01(a)
2	<p><u>VOC Emission Statements Recordkeeping Requirements</u></p> <p>If the actual annual VOC emissions from the Facility are greater than or equal to 10 tpy, the Owner or Operator shall record the following information:</p> <ol style="list-style-type: none"> Identification of each VOC-emitting source or device; The operating schedule during the high ozone season (June 1 through August 31) for each VOC-emitting source or device identified in a) above, including: <ol style="list-style-type: none"> Hours of operation per calendar month; and Days of operation per calendar month. The following VOC emission data for all VOC-emitting sources or devices identified in paragraph a) above, including: <ol style="list-style-type: none"> Actual VOC emissions for: <ol style="list-style-type: none"> The calendar year, in tons; and A typical high ozone season day during that calendar year, in pounds per day; and The emission factors and the origin of the emission factors used to calculate the VOC emissions. 	Continuous	EU01 and EU02	Env-A 904.02
3	<p>The Permittee shall maintain records of monitoring requirements as required by the EMP/SOP and as specified in Table 4 of this Permit including:</p> <ol style="list-style-type: none"> Summary of maintenance, calibration, and repair records of the LFG flow, temperature and pressure monitoring devices; Summary of LFG generation and collection; Summary of testing of LFG composition; VOC emission rate for all devices and processes; Field data and corrective actions for collection system well balancing. Changes to the EMP/SOP 	Maintain on a continuous basis	Facility-wide	Env-A 906.01

North Country Environmental Services, Inc.

Table 5 – Recordkeeping Requirements

Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
4	<p><u>Additional Recordkeeping Requirements for Gas Collection System Inoperability</u></p> <p>Whenever any portion of the gas collection system is inoperable for more than 5 Days, the Owner or Operator shall record:</p> <ul style="list-style-type: none"> a) Date(s) of inoperability; b) Identification of affected components (e.g., wells, headers, etc.); c) Location of affected components, marked on a GIS base map of the Facility; d) Nature or cause of inoperability; e) Corrective measures undertaken or proposed; and f) Date(s) of restoration of affected component(s) to full operability. 	Continuous	Facility-wide	Env-A 906.01
5	<p><u>Recordkeeping for Regulated Toxic Air Pollutants (RTAPs)</u></p> <p>Documentation for the demonstration of compliance with Env-A 1400 pursuant to item 2 of Table 3 shall be retained at the Facility and, upon request, shall be made available to the Department for inspection.</p>	Continuous	Facility-wide	Env-A 902.01(c)
6	<p><u>Additional Recordkeeping Requirements for Testing of Landfill Gas Composition</u></p> <p>The Owner or Operator shall keep a record of the date and test results for all samples collected and analyzed pursuant to the testing of landfill gas composition as described in item 7 of Table 4.</p>	As required	EU01	Env-A 906.01
7	<p><u>NSPS Recordkeeping Requirements for MSW Landfills</u></p> <p>The Owner or Operator shall maintain records of the NMOC emission rate calculations identified in item 6 of Table 4.</p>	Annually	EU01	40 CFR 60.752(b) (Subpart WWW)

North Country Environmental Services, Inc.

Table 5 – Recordkeeping Requirements

Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
8	<p><u>Records of asbestos-containing material locations</u></p> <p>The Permittee shall conduct the following:</p> <ol style="list-style-type: none"> a) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area. b) Upon closure, comply with all the provisions applicable to inactive waste sites (40 CFR 60.151). c) Submit to the Administrator, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities. d) Furnish upon request and make available during normal business hours, all records required under 40 CFR 61.154 e) Notify the Administrator in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. The notice shall include the following: <ol style="list-style-type: none"> 1) Scheduled starting and completion dates. 2) The reason for disturbing the wastes. 3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material, and 4) Location of any temporary storage site and the final disposal site. 	Until closure of disposal site	EU01	40 CFR 61.154 (f) - (j)
9	<p><u>General Recordkeeping Requirements for Combustion Devices</u></p> <p>The Owner or Operator shall maintain the following records of fuel characteristics and utilization for the fuels burned in the combustion device:</p> <ol style="list-style-type: none"> a) Type (e.g., landfill gas) and amount of fuel burned in each device; b) Sulfur content as percent sulfur by weight of fuel or in grains per cubic feet of fuel; and c) BTU content per cubic foot of landfill gas. 	Monthly	EU02	Env-A 903.03

North Country Environmental Services, Inc.

Table 5 – Recordkeeping Requirements

Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
10	<p><u>General NO_x Recordkeeping Requirements</u></p> <p>If the actual annual NO_x emissions from all permitted devices located at the Facility are greater than or equal to 10 tpy, then record the following information:</p> <ol style="list-style-type: none"> a) Identification of each fuel burning device; b) Operating schedule during the high ozone season (June 1 through August 31) for each fuel burning device identified in a) above, including: <ol style="list-style-type: none"> 1) Typical hours of operation per day; 2) Typical days of operation per calendar month; 3) Number of weeks of operation; 4) Type and amount of each fuel burned; 5) Heat input rate in MMBtu/hr; 6) Actual NO_x emissions for the calendar year and a typical high ozone day during that calendar year; and 7) Emission factors and the origin of the emission factors used to calculate the NO_x emissions. 	Maintain Up-to-Date Data	EU02	Env-A 905.02
11	<p><u>Additional Recordkeeping for Flare Operation</u></p> <p>The Owner or Operator shall keep a record of all periods during which the flare is not operating, including scheduled or unscheduled periods for service and unscheduled down time caused by flameout or other malfunction. The record shall include the reason for each outage, initial date and time of each outage, and the date and time that flare operation is restored, the corrective action, and quantity of landfill gas emitted.</p>	Continuous	EU02	Env-A 906.01
12	<p><u>Additional Recordkeeping for Gas Flow Rate</u></p> <p>The Owner or Operator shall keep a record of all flow data recorded pursuant to item 4 of Table 4.</p>	Continuous	EU02	Env-A 903.03 and Env-A 906.01

VIII. Reporting Requirements

- A. Pursuant to Env-C 203.02(b), *Date of Issuance or Filing*, written documents shall be deemed to have been filed with or received by the Division on the actual date of receipt by the Division, as evidenced by a date stamp placed on the document by the Division in the normal course of business.
- B. All emissions data submitted to the Division shall be available to the public. Claims of confidentiality for any other information required to be submitted to the Division pursuant to this permit shall be made at the time of submission in accordance with Env-A 103, *Claims of Confidentiality*.

North Country Environmental Services, Inc.

C. The Owner or Operator shall be subject to the reporting requirements identified in Table 6 below.

Table 6 – Reporting Requirements				
Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
1	<p><u>General Reporting Requirements</u></p> <p>The Owner or Operator shall submit to the Department an annual emissions report which shall include the following information:</p> <p>a) For each area source or device identified in Table 1, the actual calendar year emissions of CO, NO_x, SO₂, TSP, VOCs, HAPs, and RTAPs; (Note: VOCs, HAPs, and RTAPs shall be listed by individual CAS number and chemical name.)</p> <p>b) The methods used in calculating such emissions in accordance with Env-A 705.02, <i>Determination of Actual Emissions for Use in Calculating Emission-Based Fees</i>; and</p> <p>c) All information recorded pursuant to item 9 of Table 5.</p>	Annually (Received by DES no later than April 15 th of the following year)	EU01 and EU02	Env-A 907.01
2	<p><u>VOC Emission Statements Reporting Requirements</u></p> <p>If the actual annual VOC emissions for the Facility are greater than or equal to 10 tpy, the Owner or Operator shall include the following information in the annual emissions report identified in item 1 above:</p> <p>a) Facility information, including:</p> <ol style="list-style-type: none"> 1) Source name; 2) Standard Industrial Classification (SIC) Code; 3) Physical address; and <p>b) A breakdown by month of VOC emissions reported pursuant to item 1 above; and</p> <p>c) All data recorded pursuant to item 2 of Table 5.</p>	Annually (Received by DES no later than April 15 th of the following year)	EU01 and EU02	Env-A 908
3	<p><u>Additional Monitoring Report Requirements</u></p> <p>The Owner or Operator shall submit to the Department all information as described in the reporting section of the EMP/SOP.</p>	Quarterly	Facility-Wide	Env-A 910.01

North Country Environmental Services, Inc.

Table 6 – Reporting Requirements

Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
4	<p><u>Annual Compliance Certification</u></p> <p>Submit an annual compliance certification to the Division and USEPA which includes the following information for each and every requirement and condition of the facilities effective permit:</p> <ol style="list-style-type: none"> The particular permit condition or item number that references each requirement, and a brief summary of the requirement; The compliance status with respect to the requirement and whether during the year compliance with the requirement was continuous, intermittent, not achieved, or not applicable; The method(s) used to determine compliance, such as monitoring, record keeping, or test methods; The frequency, either continuous or intermittent, of the method(s) used to determine compliance; If compliance was not continuous, a description of each permit deviation; and Any additional information required in order for the Division to determine the compliance status of the source. 	Annually (Received by DES no later than April 15 th of the following year)	Facility-wide	Env-A 907.04(a)
5	<p><u>Semi-Annual Permit Deviation and Monitoring Report</u></p> <p>The Owner or Operator shall submit a semi-annual permit deviation and monitoring report, which contains:</p> <ol style="list-style-type: none"> Summaries of all monitoring and testing requirements contained in this permit; and A summary of all permit deviations that have occurred during the reporting period. 	Semi-annually received by DES no later than July 31 st and January 31 st of each calendar year.	Facility-wide	Env-A 911.05
6	<p><u>NSPS Reporting Requirements for MSW Landfills</u></p> <ol style="list-style-type: none"> Except as provided in 40 CFR 60.752(b)(2)(i)(B), the Owner or Operator shall submit an NMOC emission rate report to the Department annually. The Department may request such additional information as may be necessary to verify the reported NMOC emission rate. <ol style="list-style-type: none"> The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in 40 CFR 60.754(a). If the estimated NMOC emission rate as reported in the annual report to the Department is less than 50 Mg per year in each of the next 5 consecutive years, the Owner or Operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Department. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a 	Annually (Received by DES no later than April 15 th of the following year)	EU01	40 CFR 60.752(b) (Subpart WWW)

Table 6 – Reporting Requirements

Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
	<p>revised 5-year estimate shall be submitted to the Department. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.</p> <p>3) The NMOC emission rate report shall include all the data, calculations, sample reports, and measurements used to estimate the annual or 5-year emissions.</p> <p>4) The Owner or Operator is exempted from the NMOC reporting requirements described above, after the installation of a collection and control system in compliance with 40 CFR 60.752(b)(2), during such time as the collection and control system is in operation and in compliance with 40 CFR 60.753 and 60.755.</p> <p>b) Within 1 year of the first report in which the NMOC emission rate equals or exceeds 50 Mg per year, any Owner or Operator subject to the provisions of 40 CFR 60.752(b)(2)(i) shall submit a collection and control system design plan to the Department, except as follows:</p> <p>1) If the Owner or Operator elects to recalculate the NMOC emission rate after Tier 2 NMOC sampling and analysis as provided in 40 CFR 60.754(a)(3) and the resulting rate is less than 50 Mg per year, annual periodic reporting shall be resumed, using the Tier 2 determined site-specific NMOC concentration, until the calculated emission rate is equal to or greater than 50 Mg per year or the landfill is closed. The revised NMOC emission rate report, with the recalculated emission rate based on NMOC sampling and analysis, shall be submitted within 180 days of the first calculated exceedance of 50 Mg per year.</p> <p>2) If the owner or operator elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in 40 CFR 60.754(a)(4), and the resulting NMOC emission rate is less than 50 Mg/yr, annual periodic reporting shall be resumed. The resulting site-specific methane generation rate constant (k) shall be used in the emission rate calculation until such time as the emission rate calculation results in an exceedance. The revised NMOC emission rate report based on the provisions of 40 CFR 60.754(a)(4) and the resulting site-specific methane generation rate constant (k) shall be submitted to the Department within 1 year of the first calculated emission rate exceeding 50 Mg per year.</p>			
7	<p><u>Landfill Closure Report</u></p> <p>The Permittee shall submit a closure report to the US EPA and DES within 30 days of waste acceptance cessation.</p>	<p>Within 30 days of waste acceptance cessation</p>	<p>EU01</p>	<p>40 CFR 60.757 (d)</p>

North Country Environmental Services, Inc.

Table 6 – Reporting Requirements

Item #	Applicable Requirement	Frequency	Applicable Emission Unit(s)	Regulatory Basis
8	<p><u>NO_x Emission Statements Reporting Requirements</u></p> <p>If the actual annual NO_x emissions from all permitted devices located at the Facility are greater than or equal to 10 tpy, then include the following information with the annual emission report:</p> <p>a) A breakdown of NO_x emissions reported pursuant to Table 6, Item 1 by month; and</p> <p>b) All data recorded in accordance with Table 5, Item 10.</p>	Annually (Received by DES no later than April 15 th of the following year)	EU02	Env-A 909

IX. Permit Deviation Recordkeeping and Reporting Requirements

Deviations are instances where any Permit condition is violated and has not already been reported as an emergency pursuant to Section XXVII of this Permit. In accordance with Env-A 911, *Recordkeeping and Reporting Requirements for Permit Deviations*, the Owner or Operator shall maintain records and report to the DES deviations from Permit requirements as follows:

- A. Recordkeeping Requirement – All Deviations – In accordance with Env-A 911.03, in the event of a permit deviation, the Owner or Operator of the affected device, process, or air pollution control equipment shall investigate and take corrective action immediately upon discovery of the permit deviation to restore the affected device, process, or air pollution control equipment to within allowable permit levels; and record the information per Env-A 911.03(b).
- B. Excess Emissions Reporting Requirement - Excess Emission Deviations Only – In the event the permit deviation causes excess emissions, the Owner or Operator of the affected device, process, or air pollution control equipment shall:
1. Notify DES by telephone, fax, or e-mail (pdeviations@des.nh.gov) within 24 hours of discovery of the permit deviation⁷; and
 2. Submit a written report in accordance with Env-A 911.04(d) within 10 days of the discovery of the permit deviation reported in Section XXVIII B.
- C. Reporting Requirements for Permit Deviations Continuing for Greater Than 9 Consecutive Days – In the event the deviation does not cause an excess emission but continues for a period greater than 9 consecutive days, the Owner or Operator of the affected device, process, or air pollution control equipment shall notify DES of the subsequent corrective actions to be taken by telephone, fax, or e-mail (pdeviations@des.nh.gov) on the tenth day of the permit deviation⁷
- D. Semi-Annual Summary Report – Pursuant to Env-A 911.05, the Owner or Operator shall submit a summary of all permit deviations previously reported pursuant to Section XXVIII B. and C. and a list of all permit deviations recorded pursuant to Section XXVIII A. to DES in the Semi-Annual Permit Deviation and Monitoring report due January 31st and July 31st of each calendar year covering the periods of July 1st through December 31st and January 1st through June 30th, respectively, or an alternative time period approved by DES pursuant to Env-A 912.

Reporting a Permit deviation is not an affirmative defense for action brought for noncompliance.

⁷ Unless it is Saturday, Sunday or a state legal holiday, in which event DES shall be notified on the next business day.

X. Permit Amendments

A. Env-A 612.01, *Administrative Permit Amendments:*

1. An administrative permit amendment includes the following:
 - a. Corrects typographical errors;
 - b. Requires more frequent monitoring or reporting; or
 - c. Allows for a change in ownership or operational control of a source provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Department.
2. The Owner or Operator may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request.

B. Env-A 612.03, *Minor Permit Amendments: Temporary Permits and State Permits to Operate:*

1. The Owner or Operator shall submit to the Department a request for a minor permit amendment for any proposed change to any of the conditions contained in this permit which will not result in an increase in the amount of a specific air pollutant currently emitted by a source or device listed in Table 1 and will not result in the emission of any air pollutant not emitted by the source or device.
2. The request for a minor permit amendment shall be in the form of a letter to the Department and shall include the following:
 - a. A description of the proposed change; and
 - b. A description of any new applicable requirements that will apply if the change occurs.
3. The Owner or Operator may implement the proposed change immediately upon filling a request for the minor permit amendment.

C. Env-A 612.04, *Significant Permit Amendments: Temporary Permits and State Permits to Operate:*

1. The Owner or Operator shall submit a written request for a permit amendment to the Department at least 90 days prior to the implementation of any proposed change to the physical structure or operation of a source or device covered by this permit that increases the amount of a specific air pollutant currently emitted by such source or device or that results in the emission of any regulated air pollutant currently not emitted by such source or device.
2. A request for a significant permit amendment shall include the following:
 - a. A complete application form, as described in Env-A 1703 through Env-A 1708, as applicable;
 - b. A description of:
 - i. The proposed change;
 - ii. The emissions resulting from the change; and
 - iii. Any new applicable requirements that will apply if the change occurs; and
 - c. Where air pollution dispersion modeling is required for a source or device pursuant to Env-A 606.02, the information required pursuant to Env-A 606.03.
3. The Owner or Operator shall not implement the proposed change until the Department issues the amended permit.

XI. Inspection and Entry

DES personnel shall be granted access to the facility covered by this permit, in accordance with RSA 125-C:6, VII for the purposes of: inspecting the proposed or permitted site; investigating a complaint; and assuring compliance with any applicable requirement found in the New Hampshire Rules Governing the Control of Air Pollution and/or conditions of any permit issued pursuant to Chapter Env-A 600.

XII. Emission-Based Fee Requirements

- A. Env-A 705.01, *Emission-based Fees*: The Owner or Operator shall pay to the Department each year an emission-based fee for emissions from the sources or devices listed in Table 1.
- B. Env-A 705.02, *Determination of Actual Emissions for use in Calculating of Emission-based Fees*: The Owner or Operator shall determine the total actual annual emissions from each source or device listed in Table 1 for each calendar year in accordance with the methods specified in Env-A 616, *Determination of Actual Emissions*. If the emissions are determined to be less than one ton, the emission-based fee shall be calculated using an emission-based multiplier of one ton.
- C. Env-A 705.03, *Calculation of Emission-based Fees*: The Owner or Operator shall calculate the annual emission-based fee for each calendar year in accordance with the procedures specified in Env-A 705.03 and the following equation:

$$\text{FEE} = \text{E} \times \text{DPT}$$

where:

- FEE = Annual emission-based fee for each calendar year as specified in Env-A 705;
E = Total actual emissions as determined pursuant to Condition XII.B; and
DPT = Dollar-per-ton fee the Department has specified in Env-A 705.03(e).

- D. Env-A 705.04, *Payment of Emission-based Fee*: The Owner or Operator shall submit, to the Department, payment of the emission-based fee by April 15th for emissions during the previous calendar year. For example, the fees for calendar year 2012 shall be received on or before April 15, 2013.