



APPROVAL TO OPERATE

I-9961

Pursuant to paragraph 8(1) of the *Water Quality Regulation - Clean Environment Act*, this Approval to Operate is hereby issued to:

Greater Moncton Wastewater Commission
for the operation of the
TransAqua Composting Facility

Description of Source: **Biosolids Composting Facility**

Source Classification: **Fees for Industrial Approvals Regulation - Clean Water Act** **Class 11**

Parcel Identifier: **01023159**


Mailing Address: **355 Hillsborough Road
Riverview, NB
E1B 1S5**

Conditions of Approval: **See attached Schedule "A" of this Approval**

Supersedes Approval: **I-8314**

Valid From: **April 15, 2018**

Valid To: **April 14, 2023**

Recommended by: 

Issued by: 
for the Minister of Environment and Local Government

February 12, 2018
Date

SCHEDULE "A"

A. DEFINITIONS

"**After Hours**" means the hours when the *Department's* offices are closed. These include statutory holidays, weekends, and the hours before 8:15 a.m. and after 4:30 p.m. from Monday to Friday.

"**Approval Holder**" means Greater Moncton Wastewater Commission.

"**Biosolids**" means dewatered sewage sludge generated from the Greater Moncton Wastewater Commission.

"**Department**" means the New Brunswick Department of Environment and Local Government.

"**Director**" means the Director of the Authorizations Branch of the Department of Environment and Local Government and includes any person designated to act on the Director's behalf.

"**Environmental Emergency**" means a situation where there has been or will be a release, discharge, or deposit of a contaminant or contaminants to the atmosphere, soil, surface water, and/or groundwater environments of such a magnitude or duration that it could cause significant harm to the environment or put the health of the public at risk.

"**Facility**" means the property, buildings, and equipment as identified in the Description of Source above, and all contiguous property in the title and/or in the control of the *Approval Holder* at that location.

"**Finished Material**" means the finished compost and/or other processed materials.

"**Hay**" means hay from agricultural fields and farms.

"**Minister**" means the Minister of Environment and Local Government and includes any person designated to act on the Minister's behalf.

"**Normal Business Hours**" means the hours when the *Department's* offices are open. These include the period between 8:15 a.m. and 4:30 p.m. from Monday to Friday excluding statutory holidays.

"**Organic Residue**" means yard waste and crop residues.

"**Peat Moss**" means peat obtained from peat operations and/or bagged product.

"**Wood Waste**" means the sawdust, wood chips, shavings, and bark generated from wood mills in the Province of New Brunswick and untreated lumber that will be ground before use.

B. TERMS AND CONDITIONS

GENERAL CONDITIONS

1. The *Approval Holder* of the *Facility* shall comply with the terms and conditions of Water Quality Regulation 82-126 under the *Clean Environment Act* of the Province of New Brunswick. Violation of this Approval or any term and/or condition stated herein constitutes a violation of the *Clean Environment Act*.
2. The *Approval Holder* shall make application in writing, on a form provided by the *Minister*, for Approval to undertake any modification to the *Facility* that would significantly change the current composition and/or quantity of contaminants being discharged to the environment. The *Minister* must receive such application **at least ninety (90) days prior** to the planned modification commencement.
3. In the event of *Facility* closure, the *Approval Holder* shall notify the *Director* **at least ninety (90) days prior** to the anticipated closure date and shall provide a closure plan for approval, in writing, by the *Director*.
4. This *Facility* has been classified as a **Class 11 Facility**, pursuant to the *Fees for Industrial Approvals Regulation 93-201* filed under the *Clean Water Act*.

EMERGENCY REPORTING

5. Immediately following the discovery of an *Environmental Emergency*, the Approval Holder shall notify the *Department* in the following manner.

During *Normal Business Hours*, telephone the *Department's* applicable Regional Office until personal contact is made (i.e. no voice mail messages will be accepted) and provide as much information that is known about the *Environmental Emergency*. The telephone numbers for the *Department's* six Regional Offices are provided in the table below.

After hours, and during *Normal Business Hours* when personal contact is not possible, telephone the Canadian Coast Guard until personal contact is made and provide as much information that is known about the *Environmental Emergency*. The telephone number for the Canadian Coast Guard is 1-800-565-1633.

6. **Within 24-hours** of the time of initial notification, a Preliminary Emergency Report shall be faxed by the *Approval Holder* to the *Department's* applicable Regional Office using the fax numbers provided below. The Preliminary Emergency Report shall clearly communicate as much information that is available at the time about the *Environmental Emergency*.

Within five (5) days of the time of initial notification, a Detailed Emergency Report shall be faxed by the *Approval Holder* to the *Department's* applicable Regional Office using the fax numbers provided below. The Detailed Emergency Report shall include, as minimum, the following: i) a description of the problem that occurred; ii) a description of the impact that occurred; iii) a description of what was done to minimize the impact; and iv) a description of what was done to prevent recurrence of the problem.

Office location	Phone	Fax
Bathurst Regional Office	(506) 547-2092	(506) 547-7655
Fredericton Regional Office	(506) 444-5149	(506) 453-2893
Grand Falls Regional Office	(506) 473-7744	(506) 475-2510
Miramichi Regional Office	(506) 778-6032	(506) 778-6796
Moncton Regional Office	(506) 856-2374	(506) 856-2370
Saint John Regional Office	(506) 658-2558	(506) 658-3046

OPERATING CONDITIONS

7. The *Approval Holder* shall ensure that odour, dust, and/or noise being released or discharged from the *Facility* does not cause adverse impacts to any off-site receptor. In the event impacts are suspected by the *Department* to be adversely impacting any off-site receptor, the *Approval Holder* may be required to investigate the degree of impact and/or develop, submit, and implement a Prevention and Control Plan in accordance with a timetable established by the *Department*. The plan shall be submitted in writing to the *Department* for review and approval prior to implementation.
8. The *Approval Holder* shall ensure that the *Facility* is secured in such a manner as to prevent unauthorized access.
9. The *Approval Holder* shall ensure that any operating problems, which could result in non-compliance with this Approval, are reported immediately to the *Department*.
10. The *Approval Holder* shall ensure that the *Facility* shall be used for the composting of *Wood Waste, Hay, Peat Moss, Biosolids, and Organic Residue*. No other materials may be composted at the *Facility* without first applying for and receiving approval, in writing, from the *Director*.

11. The *Approval Holder* shall ensure that no feedstock is imported from outside of New Brunswick for composting unless such a request is first registered and approved through the *Department's* Environmental Impact Assessment process.
12. The *Approval Holder* shall ensure that all materials that may drip liquid or release debris during transportation to the *Facility* are only accepted if contained in properly covered and sealed truck boxes and/or containers.
13. The *Approval Holder* shall ensure that all runoff generated from the *Facility* is contained within the *Facility* or treated by a method approved by the *Director* prior to release into the environment.
14. The *Approval Holder* shall ensure that the composting mix has the appropriate Carbon to Nitrogen (C/N) ratio for maximizing the composting process.
15. The *Approval Holder* shall ensure that the composting material is turned regularly to enhance the composting process and minimize odours and the presence of insects and other vermin.

TESTING AND MONITORING

16. The *Approval Holder* shall test all *Finished Material* for the parameters listed in the most recent version of the Canadian Council of the Ministers of the Environment (CCME) "Guidelines for Compost Quality". This testing shall be done in accordance with the procedure outlined in the Guideline.
17. The *Approval Holder* shall ensure that the six (6) monitoring wells (as shown in Figure 4.1 "location of boreholes/monitoring wells" attached in the report entitled "Environmental Evaluation Greater Moncton Sewerage Commission Composting *Facility* Moncton, N.B." submitted in December 2003 by AMEC Earth & Environmental Limited) shall be sampled and analyzed during May for General Chemistry, fecal coliform, and E-coli.
18. The *Approval Holder* shall ensure that all parameters that are required to be analyzed by this Approval are analyzed by accredited laboratories whose accreditation includes the analytical method used to make the determination.

LIMITS

19. The *Approval Holder* shall ensure that all *Finished Material* that does not meet the standards described in the most current version of the CCME "Guidelines for Compost Quality" is disposed of at an approved sanitary landfill or recycled back into the composting process. This material is not permitted to be offered for retail sale or other use.
20. The *Approval Holder* shall ensure that no *Finished Material* is offered for retail sale or other use, without written approval from the *Director*. The "Confirmation Statement" form must be submitted to the *Department* with the test results.

REPORTING

21. **Within 30 days** of receiving any sample results from the groundwater monitoring wells, the *Approval Holder* shall ensure that a report is submitted to the *Department*. The report shall contain the analytical results, commentary regarding the comparison of results to previous results, and an indication as to whether there has been any potential impact to the environment. If an impact has occurred or is suspected, the report must include a proposal for further investigation and/or remediation.

22. **Prior to January 30 of each year**, the *Approval Holder* shall submit a compost material inventory to the *Department*. This inventory shall include the quantity of:
 - a. all the compost feedstock that entered the *Facility* during the previous calendar year;
 - b. the *Finished Material* that exited the *Facility* during the previous calendar year, and
 - c. the total of the material that remained at the *Facility* at the end of the previous calendar year.



Prepared by: _____

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