



GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR
Department of Municipal Affairs and Environment

CERTIFICATE OF APPROVAL

Pursuant to the Environmental Protection Act, SNL 2002 c E-14.2 Section 83

Issue Date: *March 29, 2018*

Approval No. WMS14-08-003

Expiration: *March 29, 2023*

File No. 814.006.047A

Proponent: Department of Fisheries and Land Resources
Animal Health Division
P.O. Box 7400 St. John's NL A1E 3Y5


Attention: Dr. Laura Rogers
Tele: 729-6879

Re: Approval to operate an animal incinerator/cremation unit at the
Brookfield Road Facility

Approval is hereby given for the continued operation of an Eco Waste Solutions ECO 2.0 TNIPV incinerator located at the Department of Natural Resources facility on Brookfield Road, St. John's, NL.

This Certificate of Approval does not release the proponent from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies. Nothing in this Certificate of Approval negates any regulatory requirement placed on the proponent. Where there is a conflict between conditions in this Certificate of Approval and a regulation, the condition in the regulation shall take precedence. Approval from the Department of Municipal Affairs and Environment shall be obtained prior to any significant change in operation. This Certificate of Approval shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the proponent without obtaining prior approval from the Minister.

This Certificate of Approval is subject to the terms and conditions as contained therein, as may be revised from time to time by the Department. Failure to comply with any of the terms and conditions may render this Certificate of Approval null and void, may require the proponent to cease all activities associated with this Certificate of Approval, may place the proponent and its agent(s) in violation of the *Environmental Protection Act*, and will make the proponent responsible for taking such remedial measures as may be prescribed by the Department. The Department reserves the right to add, delete or modify conditions to correct errors in the Certificate of Approval or to address significant environmental or health concerns.


For MINISTER

TERMS AND CONDITIONS FOR APPROVAL No. WMS14-08-003

General

1. Approval is hereby given for the operation of the Eco Waste Solutions ECO 2.0 TN1PV Batch-type Controlled-Air Two-Stage Thermal..
2. Any inquiries concerning this approval shall be directed to the St. John's office of the Pollution Prevention Division, telephone: 709-729-2556; or facsimile: 709-729-6969. All responsible personnel who are directly involved with operation of this waste management system shall be provided copies of this approval.
3. The Department reserves the right to make this Certificate of Approval publicly available.
4. The Department regulates waste management under the *Environmental Protection Act*. Section 15 and Part XI of this Act specifically identifies the authority of the Department to issue such an approval to operate a Waste Management System.
5. The proponent is responsible to ensure that appropriate and adequate financial assurance and environmental impairment liability or pollution and automotive insurance policies are in place for all operators of this waste management system.
6. In this Approval:
 - **accredited** means the formal recognition of the competence of a laboratory to carry out specific functions;
 - **Department** means the Department of Municipal Affairs and Environment and its successors;
 - **Director** means the Director of the Pollution Prevention Division of the Department;
 - **leachable toxic waste (LTW)** means waste material which, upon laboratory analysis, is shown to contain levels of contaminants that exceed parameters listed in the Canadian Council of Ministers of the Environment (CCME) Canadian Soil Quality Guidelines (CSQG); and/or the leachate from the material exceeds criteria limits when the material is subjected to the leachate (TCLP) test (as described below);
 - **leachable test** means the US EPA Toxicity Characteristic Leaching Procedure (TCLP) Test Method 1311 (as amended) is to be used to determine the leachate toxicity hazard;
 - **licensed** means has a Certificate of Approval issued by the Minister to conduct an activity;
 - **Minister** means the Minister of the Department;
 - **spill or spillage** means a loss of gasoline or associated product in excess of 70

litres from a storage tank system, pipeline, tank vessel or vehicle, or an uncontrolled release of any volume of a regulated substance onto or into soil or a body of water;

- **waste dangerous goods/hazardous waste (WDG/HW)** means a product, substance or organism that is intended for disposal or recycling and that:
 - (a) is listed in Schedule III of the *Export and Import of Hazardous Waste Regulations under the Canadian Environmental Protection Act, 1999*;
 - (b) is included in any of Classes 2 to 6, and 8 and 9 of the *Transportation of Dangerous Goods Regulations under the Transportation of Dangerous Goods Act, 1992*; or
 - (c) according to information that Canada has received from the United States or in accordance with the Convention, is considered or defined as hazardous under the legislation of the country receiving it and is prohibited by that country from being imported or conveyed in transit.

7. All necessary measures shall be taken to ensure compliance with all applicable acts, regulations, policies and guidelines, including the following, or their successors:

- *Environmental Protection Act*;
- *Water Resources Act*;
- *Air Pollution Control Regulations, 2004*;
- *Environmental Control Water and Sewage Regulations, 2003*;
- *Halocarbon Regulations, 2005*;
- *Storage and Handling of Gasoline and Associated Products Regulations, 2003*;
- *Used Oil Control Regulations*;
- *Heating Oil Storage Tank System Regulations, 2003*;
- *Leachable Toxic Waste, Testing and Disposal, 2003*
- *Canadian Environmental Protection Act and Regulations (CEPA)*
- *Transportation and Works Act*

This Approval provides terms and conditions to satisfy various requirements of the above listed acts, regulations, Departmental policies and guidelines. If it appears that any of the pertinent requirements of these acts, regulations, policies and guidelines are not being met, then a further review of the works shall be conducted, and suitable pollution control measures may be required by the Minister.

Terms and Conditions

8. Unless otherwise approved in writing by the Director, the following are the only items permitted for incineration: **terrestrial farm animals (e.g. cows, horses, pigs), terrestrial wild animals (e.g. coyotes, foxes, moose), non-marine flying species (i.e. birds and bats), freshwater biota and contraband drugs (organic drugs removed from plastic containers).**
9. The burning of natural or synthetic rubber, waste petroleum products, paints, electrical wiring, pharmaceutical drugs, cytotoxic waste, treated wood products, or any other waste dangerous goods/hazardous waste that could significantly contribute

to air pollution is prohibited.

10. No material, originating from outside the Province of Newfoundland and Labrador, is permitted to be received at the facility without prior written approval from the Director.
11. Efforts shall be made to minimize the amount of material incinerated either through disposal, recycling or by other acceptable means.
12. A set of Standard Operating Procedures shall be developed to provide details on: recommended daily, weekly, monthly and quarterly maintenance schedules for all systems associated with the incinerator; loading procedures, including loading limits for the unit; completion of operating and maintenance logs; troubleshooting procedures; visual observation of combustion conditions in both chambers; weighing of waste batches, recommended composition of waste batches and identification of undesirable materials (e.g. plastics, mercury, alkali metals).
13. The maximum quantity of waste to be incinerated shall be 2,000 kg per batch cycle, which shall not under any circumstances be exceeded.
14. Incineration shall be attended at all times to ensure that corrective action can be taken to control emissions and avoid excessive emissions.
15. All necessary measures shall be taken to ensure compliance with all applicable acts, regulations, policies and guidelines, including their respective successors.
16. The incinerator shall be inspected on a regular basis and records of the inspections shall be maintained by the operator.
17. The incinerator shall be cleaned out regularly and ashes and non-combustible materials removed from the incinerator shall be disposed of at an approved waste disposal facility with the approval of the owner/operator of that facility. The Director reserves the right to require testing of the ash and non-combustible materials prior to disposal.
18. Precautions shall be taken to minimize fugitive emissions during the handling and transfer of incinerator ashes and other solid residues.
19. Operators shall be properly trained to operate the incinerator under normal and emergency conditions.
20. Sufficient fire-fighting equipment shall be readily available to aid in the control of fires.
21. Any modifications to the incinerator will require the prior approval of the Director.
22. The incinerator shall be operated in strict compliance with the manufacturer's and/or supplier's specifications.

23. The Director may at any time, with reasonable notice, require the approval holder to conduct or have conducted environmental studies, site assessments, sampling, testing, or investigations where, based upon reasonable and probable grounds, the Director is of the opinion that the waste management system may have had, or has the potential to have, an adverse effect on the environment.
24. The Approval Holder shall carry out stack sampling within six (6) months of the issuance of this Approval. Stack sampling shall be conducted in accordance with the Department's Guidance Document GD-PPD-016.1. A pre-test plan shall be submitted to the Director for review at least four (4) weeks prior to commencement of any sampling. A full report of stack sampling activities shall be submitted to the Director within six (6) months of the sampling.
25. Through a Memorandum-of-Understanding the Department has authorized Service NL to act on its behalf in inspecting and/or auditing the operation of waste management facilities, for compliance under this approval and all applicable provincial Acts and Regulations. The Service NL Office in Mount Pearl may be used as the local point of contact in all cases. Service NL may contact the Director as necessary for review and consultation on monitoring results, inspections, reports, and changes or amendments to the Approval.

Reporting

26. Any operational difficulties with potential environmental implications shall be immediately reported to Service NL.
27. A written incident report including a detailed description of the incident, summary of contributing factors and an action plan to prevent future incidents of a similar nature, shall be submitted to the respective Manager of Operations of Service NL. The action plan shall include a description of actions already taken and future actions to be implemented, and shall be submitted within thirty days of the date of the initial incident.
28. An Annual report shall be submitted to the Director by January 31 each year summarizing the operation of the waste management system for the previous year. The report shall include:
- total waste generation/input with details of waste types, quantities and sources
 - total amount of incinerated waste;
 - quantities and types of residual waste generated with details of disposal
29. All incidents of:
- non-conformance of any condition within this approval;
 - spillage or leakage of a regulated substance;

- verbal/written complaints of an environmental nature from the public, any response, mitigation or corrective action e.g. due to air quality, odour or noise shall be immediately reported, within one working day, to a person or message manager or facsimile machine to Service NL by phoning or faxing.

Service NL

Telephone: (709) 729-2008

Facsimile: (709) 729-7400

Expiration

30. This Certificate of Approval expires *March 29, 2023*.
31. If the proponent would like to continue to operate beyond this expiry date, a written request shall be submitted to the Director for the renewal of this approval. Such request shall be made prior to *January 29, 2023*.

cc: Fire Commissioner (email)
Pleasantville Fire Station
P.O. Box 8700
St. John's, NL
A1B 4J6

Robert Locke
Manger of Operations and Environmental Protection
Service NL
rlocke@gov.nl.ca