



**Government of Newfoundland and Labrador
Department of Environment and Climate Change
Pollution Prevention Division**

CERTIFICATE OF APPROVAL

Pursuant to the Environmental Protection Act, SNL 2002, Sections 16, 78 and 83.

Issued: January 15, 2023
Expiration: January 31, 2028

Approval No: WMS-17-12-001
File No: 839.CRS.001

Central Newfoundland Waste Management (CNWM)

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Attention: Mr. Ed Evans, C.A.O.

Re: Approval to operate a Regional Waste Management Facility to serve Central and Western Newfoundland Regions

Approval is hereby given for the continued operation of a Regional Waste Management Facility located at Norris Arm North, including an engineered lined landfill for the disposal of municipal solid waste; a permanent Household Hazardous Waste (HHW) depot; and a Construction and Demolition (C&D) landfill.

This approval does not release the holder from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies. Approval from the Department of Environment and Climate Change (the Department) shall be obtained prior to any significant change in the design, construction, installation, or operation of the facility, including any future expansion of the works. This certificate shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the holder without obtaining written prior approval from the Minister.

This approval is subject to the terms and conditions attached hereto, 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 CNWM to cease all activities associated with this certificate of approval, may place the CNWM and its agent(s) in violation of the *Environmental Protection Act*, SNL, 2002, c. E-14-2, and will hold the CNWM responsible for taking such remedial measures as may be prescribed by the Department. The Department reserves the right to add, delete, modify or revoke this approval at any time.


For MINISTER

General

1. The Central Newfoundland Waste Management Facility (CNWM) is intended to serve the municipal solid waste management of the Central, Western, Northern Peninsula, Baie Verte Green Bay and Coast of Bay Regions of the Province.
2. Copies of all environmental standards/guidance documents are posted to the Department's website. www.env.gov.nl.ca/env/env_protection/waste/index.html
3. If different from the terms and conditions set out in the Department's environmental standards, those directly stated in the Certificate of Approval (Approval) shall apply.
4. A copy of this Approval shall be kept on site at all times.
5. All responsible personnel who are directly involved with operation and maintenance of the facility shall be provided copies of this Approval and shall be fully aware of the terms and conditions pertaining.
6. Separate approvals or an amendment to this Approval will be required for other waste management activities and/or facilities at this site.
7. Through a Memorandum-of-Understanding the Department has authorized the Department of Digital Government and Service NL (DGSNL) 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 Regional DGSNL Office may be used as the local point of contact in all cases. DGSNL may contact the Department as necessary for review and consultation on monitoring results, inspections, reports, and changes or amendments to the Approval.
8. The CNWM shall advise the Department or DGSNL of any new participants joining or proposing to leave the regional waste management facility.
9. The CNWM shall develop and keep up to date a Municipal Solid Waste Management and Public Education Plan. Information regarding the education plan and advances in this regard shall be included in the annual report for the facility, and updates provided as changes and advancements are made
10. The CNWM shall immediately notify the Department or DGSNL in writing of any change in the legal name, address, ownership, or facility operator's associated with the site.
11. Any proposed development within 3.0 km of the site shall be referred to the Department for review.
12. Notwithstanding the content of this Certificate of Approval, where options for waste treatment/disposal are limited, the Department shall be consulted regarding accommodation of the waste.

Financial Assurance

13. The CNWM is responsible to ensure that appropriate and adequate financial assurances and/or environmental impairment liability and/or pollution abatement assurance and automotive insurance policies are in place for all operators contracted to support the operations of this waste management facility.

Application Submissions

14. The Central Regional Service Board submitted the following in support of this approval:
- a. E-mail communication December 22, 2022.
 - b. 2021 Annual Report and Environmental Monitoring Report submitted February 28, 2022.

Legislation Standards and Guidelines

15. The activities associated with this facility may involve, but not be limited to, the following provincial Acts and Regulations as amended:
- *Environmental Protection Act RSNL, 2002*
 - *Air Pollution Control Regulations, 2022*
 - *Storage and Handling of Gasoline and Associated Products Regulations, 2003*
 - *Used Oil and Used Glycol Control Regulations, 2018*
 - *Halocarbon Regulations, 2005*
 - *Pesticides Control Regulations, 2007*
 - *Water Resources Act, 2002 as amended*
 - *Environmental Control Water and Sewage Regulations, 2003.*
 - *Occupational Health and Safety Act RSNL, 1990*
 - *Dangerous Goods Transportation Act, 2006*
 - *Municipalities Act, 1999*
 - *Regional Service Board Act, 1990*
 - *Transportation and Works Act, 1995 (and Highway specifications as amended)*
16. The activities associated with this facility may involve, but not be limited to, the following Federal Acts and Regulations as enforced by the respective regulatory agencies:
- *Canadian Environmental Protection Act and Regulations*
 - *Transportation of Dangerous Goods Act and Regulations*
 - *Fisheries Act*
 - *National Fire Code*
 - *Health of Animals Act*
 - *Fertilizers Act*

Quality Control/Quality Assurance

17. Facility design, construction and operation must incorporate acceptable quality control/ quality assurance (QC/QA) protocols and provide for changes if necessary to maintain and improve performance. Appropriate protocol will include testing and inspection procedures and reports, with a deficiency summary, itemized corrections and any other information requested by the Department. Consideration shall be given to implementation of an environmental management system following the "Plan- Do- Check- Revise where necessary" scheme with a view to continual improvement.

Site and Facility Construction/Maintenance

18. Environmentally sound practices are required in all aspects of construction and ongoing maintenance activities, including facility construction and landscaping. This includes: appropriate storage, recycling and disposal of litter, debris, hazardous or special waste material, waste dangerous goods and other waste associated with construction and ongoing maintenance activities.
19. Erosion and sediment control measures are to be installed and maintained as required, such that watercourses or water resources adjacent to and downstream of the site are protected from siltation. The

Environmental Protection Act prohibits release of a material that may cause an adverse effect.

20. All areas exposed during construction, and any temporary diversion or control structures such as berms, ditches, etc., shall be stabilized as soon as practical.
21. When dewatering of construction areas is required, the water must not be discharged directly to a watercourse or water resource, nor to a conveyance (a ditch, culvert, manhole) that may lead to a watercourse or water resource without confirmation to meet discharge limits.
22. Grubbing and excavated material shall be used for ongoing site rehabilitation, or stored for future use in a manner that will not result in sedimentation of adjacent and downstream watercourses or water resources.
23. Sufficient area at the weigh scales, for incoming materials and for safe movement and queuing of vehicles and equipment shall be maintained throughout the site.
24. Site access roads shall be maintained to minimize dust generation. The use of dust suppressants other than water or calcium chloride shall require approval of the Director. CNWM shall use best management practices when applying calcium chloride or any other approved dust suppressant.
25. The Department reserves the right to require the installation of infrastructure for further treatment of releases to the environment where the discharge limit(s) is/are exceeded.
26. All necessary engineering documentation/facility plans, drawings and specifications shall be submitted to and approved in writing by the Department, prior to the construction, modification or expansion of 1) additional containment cells, 2) landfill gas management systems, 3) sludge handling facilities, 4) leachate treatment systems, 5) facilities for processing recyclables or managing organics, 6) storage of waste including household hazardous waste, 7) special waste disposal cells/locations, or any other construction activity at the facility.

Operation and Maintenance of a Regional MSW Landfill

27. Unsupervised landfill disposal is not permitted. Incoming waste shall be routinely scrutinized to ensure unacceptable waste is not received at the site.
28. Regular and uniform compaction of waste is recommended to maximize utilization of air space and minimize voids.
29. The CNWM shall ensure that all exposed waste disposed to containment cells is covered with a minimum of 150 mm of clean soil (or alternate daily cover that has been pre-approved in writing by the Department), as a minimum, at the end of each operating day.
30. Intermediate cover, which is placed when a cell is filled, shall consist of at least 450 mm depth of soil and shall be enhanced to the standard for final cover if not overfilled within one year of placement.

Operation and Maintenance of a Construction and Demolition Landfill

31. Compliance with the Environmental Standards for Construction and Demolition (C&D) Waste Disposal (GD-PPD-050.3) is required [env-protection-waste-guidancedocs-gd-ppd-050.3-environmental-standards-for-construction-and-demolition-waste-disposal-sites.pdf \(gov.nl.ca\)](https://www.gov.nl.ca/env-protection-waste-guidancedocs-gd-ppd-050.3-environmental-standards-for-construction-and-demolition-waste-disposal-sites.pdf) .
32. Only inert C&D debris may be disposed at the site. Where a waste material presents a management problem, consultation with the Department is required.
33. Incoming waste shall be routinely scrutinized to ensure unacceptable waste is not received at the site. Unacceptable waste includes C & D debris that is clearly contaminated with municipal solid waste, organic waste or potentially hazardous waste, and it shall be redirected to an appropriate part of the waste management facility, or as recommended in the facility contingency plan; or as determined in consultation with the Department and other responsible agencies as applicable.
34. CNWM shall provide supervision when any material is being disposed at the C & D facility including areas for temporary storage for materials management and recyclables.
35. Storage of material for reuse or recycling may be conducted in a safe manner as long as the material remains in usable condition. Details of on-site storage inventory and of transfer or processing shall be provided to the Department as part of the annual report.
36. Temporary stockpiling of incoming material shall be restricted to levels considered safe for pile stability, occupational health and safety considerations and to minimize fire risk.
37. C & D waste shall be compacted in cells separated by layers of cover material at least every three months for every 1000 cubic metres of material. Waste placement and covering shall take place so that exposed surface area does not exceed 200 square metres at any one time. Guidelines with respect to intermediate and final cover apply where utilization of the site may be interrupted.
38. Debris containing drywall is not to be used for landfill cover to avoid production of hydrogen sulfide under wet anaerobic conditions.
39. A "special waste" disposal area may be designated for the disposal of demolition debris that could present an occupational health and safety hazard due to airborne contaminants if containment is disrupted. Material of this nature may be contaminated with among other things, lead based paint, dust, fibreglass and asbestos containing material. The debris shall be secondarily contained by wrapping in uncompromised six mm polyethylene. Signage and precautions shall be put in place to permanently demark this area and prevent re-excavation.
40. An environmental monitoring program specific to the C & D storage area for recyclables shall be submitted for approval by the Department as part of the annual report for the facility.
41. Additional storage and management practice requirements are contained in Appendix A of this approval.

Operations and Maintenance of a Household Hazardous Waste Depot

42. CNWM has designated a management and collection site for household hazardous waste (HHW) which accepts hazardous materials from area residents for appropriate containment, storage, packaging and secure transport by a licensed transporter to an approved recycling or final disposal facility. Appropriately trained staff oversee all waste received at and shipped from the site.
43. Compliance with the Department's most recent version of the Environmental Standards for Permanent Household Hazardous Waste Depots (GD-PPD-059) is required [env-protection-waste-guidancedocs-gd-ppd-59.3-hhw-permanet-depots.pdf \(gov.nl.ca\)](https://www.gov.nl.ca/env-protection-waste-guidancedocs-gd-ppd-59.3-hhw-permanet-depots.pdf) .
44. Separate approvals or an amendment of this approval is required for additional storage, management or processing of waste at this site.
45. Staff shall be trained in the handling of hazardous waste, and the associated workplace hazards; shall be properly equipped and trained in the use of Personal Protective Equipment; shall abide by applicable occupational health and safety guidelines and legislation at all times; and , shall be familiar with environmental health, safety and emergency contingency plans, spill or accidental release response protocols, equipment and contact information.
46. Clear signage shall be in place, and information shall be made available to the public on safe containment, segregation and disposal practices for hazardous household products and waste materials.
47. Only hazardous waste from residential households, or residential in origin may be accepted for management and transfer to appropriate disposal at this site. Only HHW which can be safely stored and appropriately recycled or disposed is to be accepted.
48. Detailed records of hazardous waste materials that are redirected or rejected shall be maintained.
49. Sufficient area shall be maintained for safe movement of vehicles and operation of equipment.
50. CNMW shall provide supervision when any material is being disposed to or remove from the facility to ensure unacceptable waste is not received at the site.
51. A written policy on waste acceptance including a list of acceptable and unacceptable hazardous waste by category, volume, and means of containment must be established. This will include provision to redirect or reject excluded waste. The facility contingency plan shall address waste redirection.
52. Questions regarding the acceptability of a waste material shall be directed to the regional DGSNL office or to the Department. Due to the hazardous nature of materials stored at the depot, the "precautionary principle" shall prevail.
53. Where it is considered reasonably safe to do so, established methods and procedures shall be adhered to determine the hazardous nature of waste materials of unknown origin or mixtures. Only adequately trained personnel shall conduct these established methods and procedures.
54. The following shall NOT be accepted at the HHW depot:
 - a. Biomedical waste;

- b. Sharps;
- c. Asbestos containing material;
- d. Radioactive material (including low level radioactive material or naturally occurring radioactive material (NORM) waste); with the exception of residential household smoke detectors;
- e. Organic waste;
- f. Special waste;
- g. International waste;
- h. Unidentifiable or unclassifiable materials.

55. Storage structures must comply with national and municipal fire codes and building codes.

56. All holding tanks for used oil shall be approved by DGSNL as per regulations.

57. Spill containment areas must be designed to keep incompatible materials separated and be constructed of materials that are compatible with the stored waste. The secondary containment areas must have the capacity for the total volume of waste storage capacity plus 10%.

Operations and Maintenance Manuals/Plans

58. The CNWM shall develop and maintain Operations and Maintenance Manuals/Plans in accordance with the Department's General Environmental Standards for MSW Management Facilities/Systems specific to each facility associated with the Regional Site/System.

59. All site operations are to be conducted in accordance with up-to-date Facility Operations Plans approved by the Department. Changes to operations shall be noted in the facility annual report and updates filed with the Department as appropriate. The goal is to always maintain a high level of operational efficiency with minimal adverse environmental impact. A non-exhaustive list of operations and maintenance manual inclusions is provided in the applicable Department environmental standards documents as posted on the Departmental website. The purpose of the Facility Operations Plan is to ensure facility operators and employees are trained and are clear on how daily operations proceed, that routine maintenance is conducted, and that contingency plans are appropriately enacted.

Landfill Gas Management

60. Landfill gas collection work and equipment, if and when installed, shall be in accordance with the latest versions of the Code for Digester Gas and Landfill Gas Installations CAN/CGA-B105-M93 and CAN/CSA-B149.3.

Surface Water Management

61. The CNWM shall ensure that site run-on is minimized by appropriate drainage ditching and sloping; and that run-off from the site does not detrimentally impact off-site receptors.

62. The CNWM shall ensure that surface water at the site that has not been in contact with leachate or solid waste, bypasses the leachate collection-storage-treatment system, and is directed to the engineered wetland or the storm sewer drainage system from the site. Any water discharged from the site shall meet discharge water criteria.

63. Side slopes of disposal areas shall be properly stabilized and maintained to limit erosion; and any final cover applied shall be sloped to ensure positive drainage and prevent pooling of water on the surface.

64. No authority is granted by this Approval to enable the discharge of surface water beyond the property boundary and onto adjoining lands without the authorization of the affected landowner(s). It is the responsibility of the CNWM to ensure that the authorization of said landowner(s) is current and valid. Failure to retain said authorization may result in this Approval being null and void.
65. The Department shall be advised where it is necessary to construct a sedimentation pond to treat run-off from the site.
66. Sampling sites for discharge of surface water runoff shall be approved by the Department, and shall not be moved, relocated or otherwise altered without written permission.
67. The Department reserves the right to require changes to the sampling program where deemed necessary.
68. The CNWM shall be required to mitigate significant adverse impacts to receiving watercourses which are impacted as a result of point source and non-point source discharges attributed to the facility.

Leachate System Management

69. Any changes or alterations to the leachate collection system shall be submitted to the Department for review and prior approval.
70. The leachate collection system shall be capable of maintaining a maximum head of 300 mm above the liner excluding the leachate sumps, during routine operations and be sloped to allow the leachate to drain.
71. The leachate collection system shall:
- a. be of suitable infrastructure to handle storage, treatment, and discharge volumes anticipated for the site;
 - b. be hydraulically separate from the facility's storm water system;
 - c. function year round;
 - d. function effectively throughout the lifespan of the landfill;
 - e. be equipped to record instantaneous and total flows;
 - f. have storage capacity to accommodate a 100 year storm event for the drainage basin;
 - g. be chemically compatible with the waste and leachate characteristics;
 - h. provide access for inspection, monitoring flow and head; controlling flow and cleaning;
 - i. function effectively under dynamic and static loading events for all development phases;
 - j. use geosynthetic fabrics specified for leachate generation/ flow into post-closure phase; and
 - k. be designed to prevent the passage of fine sediment into and any blockage of piping systems.
72. Daily visual inspection of the leachate system shall be conducted as well as annual testing.
73. Provision shall be made to characterize and address leachate quality that may exceed the installed wetland treatment capacity. The Department may be consulted on this issue to ensure that discharge water quality criteria are adhered to.

Discharge Water Quality

74. Water discharged from the site shall meet criteria limits as set out in the *Environmental Control Water and Sewage Regulations, 2003*.

75. Effluent discharge criteria are defined in the following table, Table 1. Discharge water not meeting these criteria shall be treated to meet criteria limits prior to discharge.

Table 1: Effluent Discharge Criteria (all units are mg/L unless otherwise noted)			
Parameter	Maximum Allowable Range	Parameter	Maximum Allowable Range
Biological Oxygen Demand	20		
Total Dissolved Solids (TDS)	1000	Mercury	0.005
Total Suspended Solids (TSS)	30	Nickel	0.5
Total Petroleum Hydrocarbon (TPH)	15	Nitrates	10
Arsenic	0.5	Ammonia	2.0
Barium	5.0	Phenols	0.1
Boron	5.0	Phosphates (total as P ₂ O ₅)	1.0
Cadmium	0.05	Selenium	0.01
Chromium	1.0	Sulfides	0.5
Copper	0.3	Silver	0.05
Cyanide	0.025	Zinc	0.5
Iron	10	pH	5.5 – 9.0 pH units
Lead	0.2	Radium 226	0.37Bq/L

Effluent Monitoring Program

76. CNWM shall perform an Effluent Monitoring Program as per the schedule listed in Table 2 below. Analytical results shall be submitted as per the Reporting section.

Table 2: Effluent Monitoring Schedule		
Location	Parameters	Frequency
SW-9 (Final discharge point)	pH, TSS, nitrate, phosphorous, BOD	Monthly
	WCA	Quarterly
Influent from Landfill	pH, TSS, nitrate, phosphorous, BOD	Quarterly
Effluent from landfill	pH, TSS, nitrate, phosphorous, BOD	Quarterly
Lift Station	pH, TSS, nitrate, phosphorous, BOD	Quarterly

Water Chemistry Analysis (WCA)

77. Four times per calendar year and not less than thirty (30) days apart, CNWM shall perform Water Quality Analysis as per Table 3. Refer to Table 3 for the locations and required parameters. Analytical results shall be submitted as per the Reporting section. Sampling shall commence as soon as sites become accessible.

Table 3: Water Chemistry Analysis Program		
Ref No:	Location	Parameters
	847-SW1-Background	General Parameters: temperature, dissolved oxygen (DO), nitrate + nitrite, nitrate, nitrite, pH, TSS, colour, sodium, potassium, calcium, sulphide, magnesium, ammonia, alkalinity, sulphate, chloride, turbidity, reactive silica, orthophosphate, phosphorous, DOC, conductance, TDS (calculated), phenolics, carbonate (CaCO ₃), hardness (CaCO ₃), bicarbonate (CaCO ₃)
	SW1 to SW9	
	MWH to MWL	
		Metals Scan: aluminium, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium,

		chromium, cobalt, copper, iron, lead, manganese, molybdenum, mercury, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, zinc
		Note that TSS, temperature and dissolved oxygen are not required for groundwater i.e. MW locations.

Sampling, Laboratory Analysis and QA/QC

78. Unless otherwise approved by the Department, surface, groundwater and leachate sampling shall be conducted, as a minimum, according to methods described in ***Sampling of Water and Wastewater-Industrial Effluent Applications GD-PPD-066***.
79. Unless otherwise stated herein, all liquid and solids analysis performed pursuant to this Approval shall be done by a contracted commercial or in-house laboratory as per the ***Accredited Laboratory Policy (PD:PP2001- 01.02)***.
80. The exact location of each sampling point shall remain consistent over the life of the monitoring programs. Using a GPS or similar device, the northing and easting of each sampling location shall be recorded and submitted to the Department.

Monitoring Alteration

81. The Department has the authority to alter the monitoring programs or require additional testing at any time when:
- a. pollutants might be released to the surrounding environment without being detected;
 - b. an adverse environmental effect may occur; or
 - c. it is no longer necessary to maintain the current frequency of sampling and/or the monitoring of parameters.
82. The CNWM may, at any time, request that the monitoring program or requirements of this Approval be altered by:
- a. requesting the change in writing to the Director; and
 - b. providing sufficient justification, as determined by the Director.
83. The CNWM shall bear all expenses incurred in carrying out environmental monitoring required under the terms and conditions of this Approval.
84. Any new and relevant information respecting any adverse effect that results or may result, from any activity to which the Approval relates, and that comes to attention after the issuance of the Approval shall be submitted to the Department in a timely manner.
85. The requirements of this Approval shall remain in effect until altered, in writing, by the Department.

Non-Compliance

86. The Department and/or DGSNL shall be notified immediately of any incidents of non-compliance with this Approval.

Further Assessment

87. The Minister may at any time, with reasonable notice, require the CNWM to conduct or have conducted

environmental studies, site assessments, sampling, testing, or investigations where, based upon reasonable and probable grounds, the Minister is of the opinion that the waste management facility may have had, or has the potential to have, an adverse effect on the environment.

Environmental Emergency Health and Safety Contingency (EHS)

88. The CNWM shall maintain a contingency plan for environmental and health and safety emergencies on file with DGSNL and the Department and provide annual updates. An updated copy of the contingency plan shall be kept on site at all times.
89. For after-hours emergencies and spill reports call: **1-800-563-9089**.
90. All appropriate operations training and health and safety procedures shall be constantly maintained at the site in accordance with applicable legislation and the Department's environmental standards for the waste management facility in question.
91. Incidents that could occur and would require specific response planning include: contingency for unacceptable waste; equipment failure; waste or hazardous materials incidents/ spills; fire; air quality or odour problems, vector infestation. In the event of problems with wildlife encounters (e.g. black bears); the district office of the Department of Justice & Public Safety should be contacted at (709) 729-8377 for encounters east of the Bay D'Espoir Highway. For wildlife encounters west of the Bay D'Espoir Highway, contact (709) 637-4068. These numbers are operated on a 24/7 basis.

Environmental, Aesthetic, Nuisance, and Housekeeping

92. Existing tree screens, outside the firebreak, that may conceal the site from public view are to be maintained.
93. Access roads to the site shall be kept free of waste material and litter shall be controlled at all times.
94. Supervision shall be provided for all reception, placement, managing and, where applicable covering of waste at the facility.
95. There shall be signs placed strategically throughout the site indicating "No Scavenging".
96. The waste material disposal area shall be fenced to contain wind-blown debris and litter accumulations shall be cleared regularly from the fencing and the surrounding area.
97. All vehicles transporting waste and debris to, from, or on-site shall be enclosed, or covered with close fitting tarpaulins to prevent waste and debris from spilling, and that they have tailgates and boxes that are sealed against leakage.
98. A program to manage and control vectors, rodents, birds and wildlife that may scavenge or develop populations associated with the waste management facility shall be developed.

Prohibitions and Restrictions

99. Prohibitions refer to materials that shall not be accepted for disposal at this waste management facility. Materials are banned from disposal when they have characteristics that make them a risk to workers or to

the environment. Materials are banned for disposal when suitable waste diversion services are available which include re-use, recycling, and reduction of the amount of material that goes to landfill. It is the responsibility of site managers and staff to decline acceptance of material when unacceptable material is openly visible and identifiable.

It is not expected that site managers, inspectors or staff would search through MSW where banned material is suspected but not openly visible and identifiable, since this could create potential risks to worker health and safety.

Materials banned for landfill disposal may be handled or stored in designated areas of the facility where protocols for safe handling and storage are defined and approved by the Department in separate Certificate of Approvals (e.g., C&D waste, HHW).

100. Operational restrictions ensure that modern waste management practices are implemented. Similar to disposal bans, they aim to minimize adverse environmental effects, enhance worker health and safety, and implement best practices in modern waste management.

101. **Prohibitions – Disposal Bans:** The following material **shall NOT be accepted** for disposal.

- a. Beverage Containers suitable for reuse and recycling as defined by MMSB programs.
- b. Used tires covered by MMSB 'Used Tire Recycling Program'
- c. Waste Paint as covered by MMSB Programs
- d. Electronic goods covered by a stewardship program shall not be disposed to landfill. This material may be collected on behalf of the organization responsible, or redirected to an approved collection point. Contact information, a list of accepted products and service providers in NL is provided at <http://www.mmsb.nl.ca/recyclingprograms/electronic-waste/>. Electronic waste that is damaged (e.g. broken monitors and cathode ray tubes), or dismantled to potentially expose hazardous constituents, is considered to be hazardous waste.
- e. Bulk liquids of any kind. [With the exception of used oil, which may be accepted where a registered and approved used oil storage tank system is in place.]
- f. Household Hazardous Waste
- g. Biomedical Waste
- h. Specified Risk Material as defined in Waste Management Strategy guidance documents Appendix D (http://www.env.gov.nl.ca/env/env_protection/waste/appendix_d_definitions.pdf). It includes the skull, brain, trigeminal ganglia (nerves attached to the brain), eyes, tonsils, spinal cord, and dorsal root ganglia (nerves attached to the spinal cord) of cattle aged 30 months or older, and the distal ileum (portion of the small intestine) of cattle of all ages. These cattle tissues, if infected are capable of transmitting bovine spongiform encephalopathy (BSE), or mad cow disease if added to animal feed, pet food or fertilizer.
- i. Refrigeration, air conditioning and fire extinguishing equipment which contain regulated substances, as defined in the *Halocarbon Regulations* Schedules A-E. These materials may be acceptable when protocols are in place, as detailed in the following section.
- j. Fuel Storage Tanks except when protocols are in place for proper handling, storage, and disposal; as detailed in the following section.
- k. Naturally Occurring Radioactive Material (NORMs). NORMS might be found in drilling or excavating materials.
- l. Radioactive material is banned from disposal and is separately regulated by the Canadian Nuclear

- Safety Commission. Radioactive material is found in household material such as smoke detectors.
- m. Recyclable material destined or suitable for recovery at the Material Recovery Facility.
 - n. Any mixture or combination of the above restricted waste is also restricted or prohibited.

102. Non-compliant material

Details of any non-compliant material brought to any part of the facility and removed at the inspection/holding area shall be recorded including: date of delivery, material type and quantity, origin and owner, name of transporter, transport vehicle identification and contact information. A contingency plan shall be in place to ensure that non-compliant material is refuse and appropriately redirected.

103. Operational Restrictions:

- a. There shall be no incineration or open burning of any kind.
- b. Only waste from the area of service identified in the approval may be received at the facility unless specifically authorized by DGSNL and approved by the CNWM.
- c. All waste transporters and vehicles utilizing the waste management facility must cover or tie down waste in accordance with the *Cargo Securement Regulations (CSR)* under the *Highway Traffic Act*.
 - i. All vehicles entering CNWM facilities shall adhere to the *CSR*.
 - ii. The CNWM shall establish and implement a program to educate waste transporters on the requirements of the *CSR*.
 - iii. The CNWM shall work with the Department to develop a plan for compliance with the *CSR*, which may include such measures as denying access to non-compliant vehicles.
 - iv. The CNWM may be required to report non-compliance with the *CSR* to regional enforcement agencies, subject to the provisions of the plan established under iii).

104. Exceptions to disposal bans where management protocol apply:

- a. All non-program tires shall be accepted for disposal at the Construction and Demolition Landfill. Non program tires include all-terrain (ATV), or off the road (OTR) vehicle tires, tires used on rolling stock equipment used in the agricultural, forestry, industrial/construction and mining industries. These tires are not collected under the Used Tire Recycling Program by the MMSB. If not approved for specific recycling applications, disposal to landfill is acceptable.
- b. An exception may be made for the collection and storage of small quantities of smoke detectors that contain radioactive material. This material can be accepted at household hazardous waste depots only with prior approval from the Department.
- c. Special waste is defined by Appendix D <https://www.gov.nl.ca/ecc/files/env-protection-waste-appendix-d-definitions.pdf> of waste management strategy guidance documents as any waste material that requires special treatment or disposal precautions, due to its nature, quantity, volume, potential to react and/or potential to produce an adverse effect. Examples include, animal carcasses/ mortalities or road kill, asbestos containing material, fish plant waste, commercial or industrial waste streams etc. Special waste shall be accepted only upon prior approval from DGSNL. DGSNL will define the safe handling and disposal guidelines, technical recommendations, and roles of other regulatory agencies which shall be adhered to in all cases.
- d. Asbestos containing material (ACM) containing friable asbestos, accepted for disposal at the facility, shall be directed to the Construction and Demolition Landfill and handled by personnel who are trained and properly equipped with personal protective clothing and respirators. ACM shall be managed in accordance with the guidance document entitled: Asbestos Waste Disposal (GD-PPD-033.1).

http://www.env.gov.nl.ca/env/env_protection/waste/guidancedocs/asbestoswastedisposal.pdf

- e. Acceptance of tires under the Used Tire Recycling Programs for temporary storage is limited to 100 tires per site with the prior approval of the Department. The MMSB provides a collection service and shall be contacted at 1-800-901-6672. Additional information on tire storage can be found on the Departmental website. Storage by MMSB of surplus used tires is regulated under a separate certificate of approval.
- f. Vehicle wrecks and scrap metal shall be directed to recognized metal salvage and recycling operations.
- g. White metal wastes, ensuring compliance under the Halocarbon Regulations, such as freezers, refrigerators and stoves may be appropriately stockpiled in a separate area, pending at least semi-annual transport to a recycling operation. Metals shall be stockpiled in a neat and tidy fashion and not exceed 90% storage capacity. Additional information is found in the appendix of the Environmental Standards for Transfer Stations.
http://www.env.gov.nl.ca/env/env_protection/waste/transfer_stations_july2010.pdf
- h. Equipment containing regulated substances such as halocarbons, can be stored for recycling at a waste disposal site if the regulated substance (s) is (are) recovered by a person approved under the Halocarbon Regulations and shall be labelled "Halocarbon Free".
- i. Fuel storage tanks (commercial or residential) must be drained of product prior to entering the site and shall only be accepted at the metal storage area. The CNWM must submit a plan if draining of any fluids is undertaken and stored on site. If deemed unacceptable for recycling, prior to landfilling, fuel tanks and drums shall have confirmation that they have been purged of product, tank bottom sludge and vapour. The tank must also be cut in half or sufficient openings cut in the tank to prevent the accumulation of vapour and to accommodate visual inspection. If CNWM would like to develop a fuel storage tank management program, the Department shall be contacted to amend or issue an approval.
- j. The Department reserves the right to amend this approval, to ban disposal of waste streams where and when recycling and diversion programs exist as per amendments to the *Waste Management Regulations* and the *Waste Diversion Regulations*. Any recyclable or waste material that is banned from landfill disposal shall be appropriately redirected.
- k. Notwithstanding all of the above where options for waste treatment/ disposal are limited, the Department shall be consulted regarding accommodation of the waste.

Site Security and Signage

- 105. Unauthorized access to the waste management site shall be controlled. Measures may include fencing (wire mesh with a maximum opening of 20 cm), and shall include a secure gate or barrier at the site entrance (minimum opening of 8.5 m) with appropriate, highly visible signage to inform the public of acceptable waste materials, hours of operation, telephone number for contact and containing a "No Scavenging" stipulation.
- 106. An operator shall be kept on duty when and if the site is open to the public. The gate must be locked shut when the operator is not in attendance.
- 107. Areas shall be allocated and signs posted designating separate areas for the transfer, temporary storage and recycling or disposal of construction debris, white goods, municipal solid waste, and other approved waste as applicable.
- 108. A firebreak may be required around the perimeter of the site, please check with the authority having

jurisdiction.

Noise

109. The CNWM shall manage noise levels at the facility so as to comply with recommended guidelines under the *Occupational Health and Safety Act*.
110. Complaints about noise from nearby area residents (off-site) shall be responded and details recorded.
111. If complaints regarding noise from facility operations on or off the site are received, monitoring of sound levels may be required by the Department, and mitigation measures may be required.

Air Emissions

112. Any kind of incineration or open burning is strictly prohibited. The CNWM shall comply with the *Air Pollution Control Regulations, 2022* at all times.
113. Schedule A of these regulations provides the standard for ambient air quality, particulate matter and airborne contaminants.
114. Dust generation shall be minimized on site.
115. Odour control measures shall be incorporated into the facility.
116. Numerical or quantitative limits on odour may be established at the discretion of the Department if odour impacts beyond the property boundaries are deemed to be excessive.
117. Standard procedures to address odour complaints associated with the facility shall be established as part of the Operations Manual and would include:
 - a. Immediately investigate the cause of the complaint and undertake immediate and appropriate action, if necessary, to correct the problem.
 - b. Record all odour complaints and document the date, time, name, address and telephone number of the individual lodging the complaint. The record shall also state any cause of the odour and the action taken to correct the problem.
 - c. Record wind direction, wind speed, temperature, humidity and other atmospheric conditions at the time of the occurrence which resulted in a complaint.
 - d. Records of odour complaints shall be made available to the Department upon request.
118. A plan to reduce or cease odour generation shall be submitted at the request of the Department.

Hazardous Materials Incident/Spill Prevention

119. A separate approval, and facility-specific Environmental Health and Safety Contingency Plan, is required for the operation of a Permanent Household Hazardous Waste Depot. The Department's Environmental Standard for Permanent Household Hazardous Waste Depots shall apply.
120. All holding tanks for used oil shall be approved by DGSNL as per the *Used Oil and Used Glycol Control Regulations*.

Reporting

121. Monthly reports containing the environmental compliance monitoring and sampling information required in this Approval shall be received by the Department in digital format within 30 calendar days of

the reporting month. All related laboratory reports shall be submitted with the monthly report in Extensible Markup Language (XML) format and Adobe Portable Document Format (PDF). Digital report submissions shall be uploaded through the EDMS web portal.

122. Each monthly report shall include a summary of all environmental monitoring components and shall include an explanation for the omission of any requisite data. The monthly summary reports shall be in Microsoft Word or Adobe PDF and shall be uploaded through the EDMS web portal with the data submissions.

123. The annual report shall be submitted to the Department by February 28th, each year summarizing facility activities of the previous year. The information to be submitted is described in the Department's Environmental Standards and includes as follows and where applicable.

- a. quantity, type, source (origin) and carrier of waste received;
- b. quantity and type of materials recycled;
- c. quantity of residual material received at or transferred to the regional landfill
- d. quantity and type of waste dangerous goods removed and the final disposal site;
- e. records of any waste diversion;
- f. a summary of the water quality monitoring results for the sedimentation pond, surface water, and groundwater monitoring program, if applicable. Data must be tabulated in spreadsheet format and include a comparison to relevant guidelines;
- g. updated drawings showing the monitoring well locations, latest contours and groundwater flow direction;
- h. an assessment, where applicable, of the environmental effects monitoring program by a qualified consultant;
- i. a summary of any upsets or spills at the facility;
- j. any changes in procedure or operations;
- k. any changes or updates with respect to staffing and training;
- l. a summary of all education programs implemented or initiated; and
- m. any other information deemed necessary by the Department.

124. The annual report shall also include:

- a. A discussion and evaluation of incidents, complaints, actions, results, residual impact and path forward.
- b. Disposal Records for: special waste including the origin and description for; bulk liquids; biosolids, fish/animal processing waste, Asbestos Contaminated Waste; potentially hazardous waste and International Waste.
- c. Environmental monitoring records including:
 - i) Dates and results of all sampling conducted at the facility; and confirmation of calibration of field equipment used at the facility, before and after each sampling event, or as considered reasonable by the department, the CNWM and the equipment manufacturer.
 - ii) An evaluation and discussion of surface water and groundwater monitoring results as they may be affected by hydrogeology, landfill leachate and/or surface water runoff from the site, and potential/ resultant impacts, and mitigation of impacts.
 - iii) An evaluation of environmental monitoring results, comparing results from the previous and current calendar years and historical records, and making recommendations for future monitoring, groundwater well installation or other work at the facility.

- iv) All analyses, review and reports shall be completed by a professional engineer or geoscientist (qualified professional).

125. Any operational difficulties with potential environmental implications must be immediately reported to DGSNL. The nature of the operational difficulty as well as the mitigation measures shall be included in the yearly report.

126. All incidents of:

- Contingency Plan implementation;
- non-conformance of any condition within this approval;
- spillage or leakage of a regulated substance;
- leachate or wastewater discharge suspected to have exceeded criteria limits
- 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.
- any incidence of vandalism or illegal dumping at or near the site.

shall be immediately reported, within one working day, to a person, message manager or facsimile machine at DGSNL by phoning or faxing.

Central Region – DGSNL (Gander)

P.O. Box 2222

A1V 2N9

Telephone (709) 256-1420

Facsimile: (709) 256-1438

127. 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 Regional Director of DGSNL. 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.

Certificate of Completion

128. Seven days after completion of any new facility, a signed and stamped letter from a Professional Engineers and Geoscientists of Newfoundland and Labrador (PEGNL) registered engineering company shall be submitted to the Department verifying that the facility was constructed as per the engineering as-built plans and specifications. The Department shall also be notified at least two weeks in advance of commissioning of each facility and before the Regional Facility is open to the public to allow for inspections to be arranged.

Decommissioning

129. An approved alternative disposal or transfer location must be identified prior to closure and decommissioning.

130. A detailed decommissioning plan must be submitted to the Department six months prior to the planned date of final site closure. Details must address site security, the removal of remaining material and on-site infrastructure, and financial arrangements for any future environmental monitoring requirements, and outline potential future uses for the site.

Expiration

131. This approval expires on January 31, 2028.

132. Should the CNWM wish to continue to operate beyond this expiry date, a written request shall be submitted to the Department for the renewal of this approval. Such request shall be made at least three months prior to expiration.

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Attachment: Appendix A – C & D debris- management of specific waste streams

Appendix A
Construction and Demolition (C&D) Debris – management of specific waste streams

1. Bulky household items including mattresses and chesterfields are permitted but those that might retain a lot of water shall be separated from other C & D waste, particularly drywall/gypsum. This will reduce the possibility of hydrogen sulfide formation due to water transfer.
2. Rigid plastic pipes and buoys are permitted but should be segregated from other C & D waste to reduce risk of burning in the event of a fire.
3. Mixed waste from housing demolition may only be disposed to the C & D landfill if a hazardous waste risk assessment has been completed and any hazardous materials such as asbestos containing materials, fluorescent lighting ballasts and paint with high levels of lead, have been removed in advance.
4. With the exception of treated wood from residential sources, commercial generators of treated wood are required to conduct testing per the guidance document "Treated Wood Waste Disposal" GD-PPD-075.1 at the link below. If there are no exceedances for the specified criteria in the guideline the treated wood may be disposed of. If there are exceedances further consultation is required with the Department. Appropriate reuse of treated wood is recommended where possible. All creosote treated wood must be disposed of into the lined landfill. [env-protection-waste-guidancedocs-gd-ppd-075.1treated-wood-waste-disposal-.pdf \(gov.nl.ca\)](#)
5. Any sharp objects like nails, small pieces of metal, glass, plastics, litter and other wind-blown debris shall be collected daily and controlled at the site to maintain a safe environment.
6. Metals shall be redirected to licensed metal salvagers where facilities exist.
7. Other "contaminants of concern" may include mercury (Hg) vapours associated with fluorescent light fixtures and PCBs in older lighting ballasts. Normally these items would be identified as hazardous materials and removed prior to a demolition, but if identified in waste streams, they must be removed to a hazardous materials storage area for appropriate recycling and/or disposal.
8. Reusable and recyclable material such as: uncoated wood, wallboard, asphalt shingles, metal, cupboards, carpets, countertops and other homogenous waste streams may be stockpiled in separate locations to facilitate reuse and recycling where options exist.
9. Acceptable recycling options for wood include: mulching/chipping of organic material for landscape purposes, or bulking agents for compost, or for fuel.
10. Asphalt shingles may be chipped and used as a road amendment at the site, and/or processed into asphalt grit and asphalt flake where the recycling option exists.

11. Treated wood from residential sources shall be disposed at the MSW engineered lined landfill. Commercial generators are required to conduct testing as per the GD-PPD-075.1 Treated Wood Waste Disposal, August 2013. [env-protection-waste-guidancedocs-gd-ppd-075.1-treated-wood-waste-disposal.pdf \(gov.nl.ca\)](https://www.gov.nl.ca/ecc/files/env-protection-waste-guidancedocs-gd-ppd-075.1-treated-wood-waste-disposal.pdf)
12. Wallboard may be added in limited quantities to compost.
13. All non-program tires shall be accepted for disposal at the C & D landfill. Non-program tires include all-terrain (ATV), or off-the-road (OTR) vehicle; tires used on rolling stock equipment used in agriculture, forestry, industrial/ construction and mining industries. These tires are not collected under the Used Tire Recycling Program by the Multi-Material Stewardship Board (MMSB). If not approved for specific recycling applications, disposal to landfill is acceptable. [env-protection-waste-guidancedocs-g-doc-41.3-otr-tires.pdf \(gov.nl.ca\)](https://www.gov.nl.ca/ecc/files/env-protection-waste-guidancedocs-g-doc-41.3-otr-tires.pdf)
14. Any asbestos containing material (ACM) shall be appropriately handled by trained staff and disposed according to GD-PPD-033.1 Asbestos Waste Disposal, amended October, 6, 2016. <https://www.gov.nl.ca/ecc/files/env-protection-waste-guidancedocs-gd-ppd-033.-1-asbestos-waste-disposal-amended-2016.pdf>
15. There is an exemption to allow landfill disposal of leaded paint debris from residential sources. For commercial or industrial sources, where a hazardous materials assessment has been completed prior to the demolition of structures, the departmental policy on sampling, analysis and subsequent disposal of lead based paint and painted debris shall be followed. Any questions can be referred to the regional DGSNL or to the Department.
16. The Department reserves the right to update disposal bans for waste streams when and where recycling and diversion programs exist. Any recyclable or waste material that is banned from landfill disposal shall be appropriately redirected. <https://www.gov.nl.ca/ecc/files/GD-PPD-022.4-Landfill-Bans-Special-Wastes-and-Diversion-Programs-1.pdf>
17. Notwithstanding all of the above, where options for waste treatment/recycling/disposal are limited, the Department shall be consulted regarding management of the waste.