

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER A170115  
Issue Date: July 26, 2024

Clean Harbors Canada, Inc.  
520 Southgate Dr  
Guelph, Ontario  
N1G 4P5

Site Location: 520 Southgate Drive  
520 Southgate Dr Clean Harbors Canada Inc.  
Guelph City, County of Wellington  
N1G 4P5

*You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:*

*liquid industrial waste and hazardous liquid waste limited to waste classes 111, 112, 113, 114, 121, 122, 123, 131, 132, 133, 134, 135, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 211, 212, 213, 221, 222, 231, 232, 233, 241, 251, 252, 253, 254, 261, 262, 263, 264, 265, 267, 268, 270, 281, 282, 311 as described in the document "Ministry of the Environment New Ontario Waste Classes, January 1986" .*

*For the purpose of this environmental compliance approval, the following definitions apply:*

"Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed in Schedule "A".

"Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA.

"District Manager" means the District Manager of the local district office of the Ministry in which the Site is geographically located.

"EPA" means *Environmental Protection Act* , R.S.O. 1990, c. E. 19, as amended;

"LDR" means Lands Disposal Restrictions referring to sections 74 and sections 75, 76, 77, 79, 80, 81, 82, 83, 84 and 85 of Reg. 347 which is amended into Reg. 347 on August 31, 2007 and section 78 which is amended into Reg. 347

on December 31, 2009 which prohibit the disposal of listed and characteristic hazardous wastes on land until they have been treated to meet the treatment standards under Reg. 347;

"Ministry" means the Ministry of the Environment, Conservation and Parks;

"Operator" means any person, other than the Owner's employees, authorized by the Owner as having the charge, management or control of any aspect of the site;

"Owner" means any person that is responsible for the establishment or operation of the site being approved by this Approval, and includes Clean Harbors Canada Inc., and its successors and assigns;

"OWRA" means the *Ontario Water Resources Act* , R.S.O. 1990, c. O-40, as amended from time to time;

"PA" means the *Pesticides Act* , R.S.O. 1990, c. P-11, as amend from time to time;

"Provincial Officer" means any person designated in writing by the Minister as a Provincial Officer pursuant to section 5 of the OWRA or section 5 of the EPA or section 17 of PA.

"Reg. 347" means Regulation 347, R.R.O. 1990, made under the EPA, as amended from time to time;

"Site" and "Facility" mean 520 Southgate Drive, Guelph City, Ontario, approved by this Approval.

"Trained personnel" means personnel that have been trained through instruction and/or practice in accordance with this Approval.

"Waste Analysis Plan" means a written plan that documents the regular and detailed chemical and physical testing of representative samples requiring treatment in accordance with sections 75, 76, 77, 78, 79, 82 and 83 of Reg. 347.

*You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:*

## **TERMS AND CONDITIONS**

### **1.0 Compliance**

- 1.1 The Owner and Operator shall ensure compliance with all the conditions of this Approval and shall ensure that any person authorized to carry out work on or operate any aspect of the Site is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
- 1.2 Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Approval.

1.3 The Site shall be operated and maintained at all times including management and disposal of all waste in accordance with the EPA, Reg. 347, O. Reg. 419/05 and the conditions of this Approval. At no time shall the discharge of a contaminant that causes or is likely to cause an adverse effect be permitted.

## **2.0 Design, Develop, Build, Operate and Maintain in Accordance**

2.1 (1) Except as otherwise provided for in this Approval, the Site shall be designed, developed, built, operated and maintained in accordance with the Design and Operations Report dated October, 2017, and the supporting documentation listed in Schedule "A".

(2) Construction and installation of the aspects of the Site described in the most recent application for this Approval must be completed within 5 years of the later of:

(a) the date this Approval is issued; or

(b) if there is a hearing or other litigation in respect of the issuance of this Approval, the date that this hearing or litigation is disposed of, including all appeals.

2.2 This Approval ceases to apply in respect of the aspects of the Site noted above that have not been constructed or installed before the later of the dates identified in Condition 2.1(2) above.

## **3.0 Interpretation**

3.1 Where there is a conflict between a provision of any document, including the application, referred to in this Approval, and the conditions of this Approval, the conditions in this Approval shall take precedence.

3.2 Where there is a conflict between the application and a provision in any documents listed in Schedule "A", the application shall take precedence, unless it is clear that the purpose of the document was to amend the application and that the Ministry approved the amendment.

3.3 Where there is a conflict between any two documents listed in Schedule "A", other than the application, the document bearing the most recent date shall take precedence.

3.4 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

#### **4.0 Other Legal Obligations**

4.1 The issuance of, and compliance with, this Approval does not:

- (1) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement including, but not limited to:
  - (a) obtaining site plan approval from the local municipal authority;
  - (b) obtaining all necessary building permits from the local municipal authority Building Services Division;
  - (c) obtaining approval from the Chief Fire Prevention Officer, local municipal authority:  
or
- (2) limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner and Operator to furnish any further information related to compliance with this Approval.

#### **5.0 Adverse Effect**

5.1 The Owner and Operator shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the Site, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

5.2 Despite an Owner, Operator or any other person fulfilling any obligations imposed by this Approval, the Owner, Operator or any other person remains responsible for any contravention of any other condition of this Approval or any applicable statute, regulation, or other legal requirement resulting from any act or omission that caused the adverse effect to the natural environment or impairment of water quality.

#### **6.0 Change of Owner**

6.1 The Owner shall notify the Director in writing, and forward a copy of the notification to the District Manager, within thirty (30) days of the occurrence of any changes:

- (1) the ownership of the Site;
- (2) the Operator of the Site;
- (3) the address of the Owner or Operator;
- (4) the partners, where the Owner is or at any time becomes a partnership and a copy of the most recent declaration filed under the *Business Names Act*, R.S.O. 1990, c. B-17 shall be included in the notification; and

(5) the name of the corporation where the Owner is or at any time becomes a corporation, other than a municipal corporation, and a copy of the most current information filed under the *Corporations Information Act*, R.S.O. 1990, c. C-39 shall be included in the notification.

6.2 No portion of this Sites hall be transferred or encumbered prior to or after closing of the Site unless the Director is notified in advance and sufficient financial assurance is deposited with the Ministry to ensure that these conditions will be carried out. In the event of any change in ownership of the Site,other than change to a successor municipality, the Owner shall notify the successor of and provide the successor with a copy of this Approval,and the Owner shall provide a copy of the notification to the District Manager and the Director.

## **7.0 Inspections**

7.1 No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the OWRA, the EPA, or the PA,of any place to which this Approval relates, and without limiting the foregoing:

- (1) to enter upon the premises where the approved site are located, or the location where the records required by the conditions of this Approval are kept;
- (2) to have access to, inspect, and copy any records required to be kept by the conditions of this Approval;
- (3) to inspect the Site,related equipment and appurtenances;
- (4) to inspect the practices, procedures, or operations required by the conditions of this Approval;and
- (5) to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Approval or the EPA, the OWRA or the PA.

## **8.0 Information and Record Retention**

8.1 Any information requested, by the Ministry,concerning the Siteand its operation under this Approval,including but not limited to any records required to be kept by this Approvalshall be provided to the Ministry,upon request, in a timely manner.

8.2 The receipt of any information by the Ministry or the failure of the Ministryto prosecute any person or to require any person to take any action, under this Approval or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as:

(1) an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this Approval or any statute, regulation or other legal requirement; or

(2) acceptance by the Ministry of the information's completeness or accuracy.

8.3 All records required by the conditions of this Approval must be retained on Site for a minimum period of five (5) years from the date of their creation with the exception of records that have a legislative retention time.

8.4 Any information relating to this Approval and contained in Ministry files may be made available to the public in accordance with the provisions of the Freedom of Information and Protection of Privacy Act, R.S.O. 1990, C. F-31.

## **9.0 Approved Waste Types**

9.1 The Owner may only accept the following waste types:

(a) liquid industrial waste, hazardous liquid waste and hazardous solid waste limited to waste classes 111, 112, 113, 114, 121, 122, 123, 131, 132, 133, 134, 135, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 211, 212, 213, 221, 222, 231, 232, 233, 241, 251, 252, 253, 254, 261, 262, 263, 264, 265, 267, 268, 270, 281, 282, 311 as described in the document "Ministry of the Environment New Ontario Waste Classes, January 1986"; and

(b) solid non-hazardous waste from industrial sources.

9.2 Further to the limitations specified in Condition 9.1, the Owner shall not accept the following hazardous wastes as defined in Reg. 347:

(a) pathological waste (P);

(b) radioactive waste;

(c) reactive waste (R);

## **10.0 Approved Waste Quantities**

10.1 Waste stored on Site shall not exceed the maximum storage capacity of 2,033,845 litres as summarized in Schedule "C" of this Approval.

10.2 Notwithstanding condition 10.1 above and in addition to the limit noted therein, up to 400 tonnes per day of solid hazardous waste may be received at the Site per day, and up to 250 tonnes of solid hazardous waste may be present at the Site at any one time.

10.3 The Owner shall ensure that all liquid storage on-site has adequate spill containment in place further to Section 3 of the Ministry's "Guideline for Environmental Protection

Measures at Chemical and Waste Storage Facilities" dated May 2007, and that no subject waste is stored in the same spill containment area as any other subject waste where the two wastes are incompatible as noted in the Chemical Compatibility Chart in Appendix C of that Guideline.

## **11.0 Service Area and Hours of Operations**

11.1 This Site is approved to accept waste from Canada and Northeastern United States.

11.2 The Site may operate 24 hours a day and 7 days a week.

## **12.0 Signage and Security**

12.1 The Owner shall install a sign at the main entrance/exit to the Site on which is legibly displayed the following information:

- (1) the name of the Site and Owner;
- (2) the number of this Approval;
- (3) the telephone number for the Ministry's Spill Action Centre;
- (4) the operating hours of the Site;
- (5) a twenty-four (24) hour telephone number that can be used to reach the Owner in the event of a complaint or an emergency; and
- (6) the type of waste that is approved for receipt at the Site.

12.2 The Owner shall operate and maintain the Site in a secure manner, with access to the Site regulated and perimeter of the Site secured by fencing or natural features. During non-operating hours, the Site entrance and exit gates shall be locked and the Site shall be secured against access by unauthorized persons.

## **13.0 Waste identification, storage, testing and processing**

- 13.1
- (1)
    - (a) Prior to accepting waste at this site, for each generator and each waste class produced by the generator, the Owner shall require that a representative sample of each waste class be taken and analysed for, as a minimum the parameters marked with an "X" (Preship) of Schedule "B".
    - (b) The Owner shall require generators of waste received at the Site to notify the Owner of any changes or process modifications which may affect the waste class and/or characteristics. Upon receipt of notification of changes, the Owner shall again undertake the waste, classification and characterization analysis as described

in subcondition (1) (a) above, prior to accepting the waste the Site.

- (2) Prior to unloading each incoming load of waste, the Owner shall take a representative sample and analyse it for as a minimum. The parameters marked with an "X" (Preoffload) of Schedule "B".
- 13.2 All incoming and outgoing wastes should be inspected and tested by qualified personnel as detailed in your application and supporting documentation listed in Schedule "A" of this Approval prior to being received, processed, transferred and shipped to ensure wastes are being managed and disposed of in accordance with the Act and Reg. 347 as amended from time to time.
- 13.3 All bulking, processing and storage tanks shall be examined annually and tested at a minimum of once every five (5) years to ensure there are no leaks and that the vessel is sound.
- 13.4 The Owner shall process all wastes inside the building.
- 13.5 The Owner shall limit outside storage of waste to:
  - (a) lugger boxes, roll-off containers and/or small containers of solidified non-hazardous wastes which will be stored within the covered storage area on the east side of the plant, or on the concrete contained pad between the plant and Warehouse;
  - (b) empty rinsed drums and totes;
  - (c) up to 300 drums stored on the outdoor drum storage pad described in Item 40 in Schedule "A".
- 13.6 The Owner shall install level indicators in all storage and/or processing tanks.
- 13.7 The Owner shall ensure that competent personnel are available at all times during the hours of operation of this Site. No loading, unloading, bulking, mixing, or blending of waste material shall occur unless competent personnel supervises the loading, unloading, bulking, mixing, or blending.
- 13.8 Notwithstanding the requirements of Condition 13.7 of this Approval, the Owner shall take all reasonable actions in the way of laboratory, compatibility and bench testing of waste and materials to ensure that the bulking, blending, mixing, transfer and processing of wastes at the Site will not result in uncontrollable reactions that could result in a fire or release of contaminants to the natural environment.
- 13.9 The incoming waste from the tanker trucks will be sampled and unloaded into the primary solid separation tanks labelled with appropriate waste characteristic. The tanks for thickening, paddle mixers and lugger boxes will also be labelled with appropriate waste characteristic, and all tanks and processing equipment shall be labelled as per their processing use.



13.10 The Owner shall implement the following self-monitoring groundwater program to satisfy the objective of serving as a sentry program to identify contamination in the groundwater from operations at this Site. The self monitoring groundwater program shall include:

- (a) contracting a hydrogeological consultant licensed by the Association of Professional Geoscientists of Ontario.
- (b) defining site stratigraphy including hydraulic properties from surface to subsurface soils.
- (c) establishing water level elevation contours with interpreted groundwater flow direction; and calculate groundwater flow rate based on site specific horizontal and vertical groundwater gradient.
- (d) installation of sentry wells strategically located down gradient, close gradient and up gradient from areas of potential contamination.
- (e) sampling of wells for chemistry and contaminants of concern to establish baseline information.
- (f) sampling of wells for contaminants of concern on a scheduled basis in the future.
- (g) submission of a summary report on the self-monitoring groundwater program on an annual basis with the annual report to the District Manager.

13.11 Solidification shall be carried out in accordance with the following:

1. No waste other than non-hazardous liquid industrial waste shall be solidified in the 25 cubic metre capacity solidification pit noted in Item 40 in Schedule "A".
2. The Owner shall ensure that:
  1. the solidification pit is constructed of steel with an HDPE liner in a leak-proof manner;
  2. the solidification pit is maintained in good condition such that it remains leak-proof at all times;
  3. a dedicated leak-detection system that includes the use of perforated pipe draining to a leak-detection sump equipped with a liquid detection indicator and alarm is in place in good working order at all times to confirm the leak-proof status of the pit;
  4. any deficiencies in the solidification pit, as noted during regular inspections or through notification by the leak-detection system indicators/alarms, shall be remediated prior to carrying out any further processing in the pit.
3. No materials shall be used to solidify waste other than (1) products intended specifically for solidification that are not derived from wastes and that would not be characterized as

hazardous waste if disposed of, and (2) solid non-hazardous waste with absorbent properties, limited to: woodchips, paper, cardboard, peat moss, straw, grass, corn wood, peanut peel, bagasse, cotton, wool, hemp, bamboo, clay, diatomaceous earth, zeolite, gypsum, silica and silicates, cement, and polymers.

#### **14. Land Disposal Restrictions**

- 14.1 The Owner shall ensure that listed and characteristic waste accepted at this Site and destined for land disposal shall be subject to the LDR under Reg. 347 and shall not be land disposed unless it meets the treatment/standard requirement.
- 14.2 Residual waste which is listed and characteristic waste generated at the site are subject to LDR under Reg.347 and shall not be disposed unless the wastes meets the treatment/standard requirement.
- 14.3 Wastes subject to LDR shall not be mixed, bulked or blended with wastes which have different treatment requirements set out in the relevant Schedule of Reg. 347.
- 14.4 The Owner shall analyse the sample for all relevant regulated constituents with respect to appropriate hazardous waste number of relevant schedule of Reg. 347 for the waste destined for land disposal.
- 14.5 The Waste Analysis Plan included in the Design and Operation Report listed as item 26 through 28 of Schedule "A" shall be retained at the Site; kept up to date; and be available for inspection by Provincial Officer.
- 14.6 The Owner and Operator shall maintain on-Site a written or digital record related to LDR. The record shall include :
- (1) Test results or knowledge used to make LDR determination;
  - (2) Waste Analysis Plan;
  - (3) Waste Analysis Plan – Sample Results; and
  - (4) Notification to receiver.

#### **15.0 Water Discharge**

- 15.1 (a) All water shall be discharged in accordance with the Ontario Water Resources Act, R.S.O. 1990 and any applicable Municipal Sewer Use By-Law(s); and
- (b) Notwithstanding Condition 15.1 (a) above, floor wash-water may be evaporated using the carbon filtration/evaporator batch process outlined in Item 11 of Schedule "A", subject to the following:
- (i) no materials other than floor wash-water generated at the Site shall be evaporated;

- (ii) no water shall be evaporated unless tests run on a representative sample taken from the batch show that any contaminant present will not exceed the Time Weighted Average Exposure Value (TWAEV), as defined in the Occupation Health and Safety Act, Ontario Regulation 833/00 as amended, during operation.

## **16.0 Other Approval**

- 16.1 The Owner shall manage all direct discharges from this Site including stormwater run-off in accordance with appropriate Municipal, Provincial and or Federal Legislation, Regulations and By-laws.

## **17.0 Training**

- 17.1 Before any waste is received on Site, a training plan specific to the Site shall be developed and implemented to ensure that all employees that operate the Site or carry out any activity required under this Approval are trained in its operation.
- 17.2 The training plan shall require and ensure through proper written records that all persons directly involved with activities relating to the Site have been trained with respect to:
  - (1) relevant waste management legislation, regulations and guidelines;
  - (2) major environmental concerns pertaining to the waste to be handled;
  - (3) occupational health and safety concerns pertaining to the processes and wastes to be handled;
  - (4) management procedures including the use and operation of equipment for the processes and wastes to be handled;
  - (5) the Spill Prevention, Control & Countermeasures Plan and in the procedures to be employed in the event of an emergency;
  - (6) specific written procedures for refusal of unacceptable waste loads;
  - (7) contingency procedures;
  - (8) specific written procedures for the control of nuisance conditions; and
  - (9) the requirements of this Approval.
- 17.3 The Owner shall maintain a written record of training at the Site which includes:
  - (1) date of training;
  - (2) the name and signature of the person who has been trained; and

(3) description of the training provided.

17.4 The Owner shall review the training plan and update it as necessary or on an annual basis as a minimum.

17.5 The Owner shall ensure that Trained Personnel is/are on duty at all times when the Site is open to carry out any activity required under this Approval.

## **18.0 Site Inspections**

18.1 Trained Personnel shall carry out a visual inspection of the Site each day the Site is in operation to ensure that:

(1) the Site is secure;

(2) the operation of the Site is not causing any nuisances including those from dust, odours, vectors, vermin, birds, litter, noise and traffic;

(3) the operation of the Site is not causing any adverse effects on the environment; and

(4) the Site is being operated in compliance with this Approval.

18.2 Any deficiencies discovered as a result of an inspection carried out under Condition 18.1 shall be remedied immediately, including temporarily ceasing operations at the Site if needed.

18.3 A record of the inspections shall be kept in the daily log book that includes the following information:

(1) the name, title and signature of person that conducted the inspection;

(2) the date and time of the inspection;

(3) a list of any deficiencies discovered;

(4) any recommendations for action; and

(5) the date, time and description of actions taken to remedy deficiency.

## **19.0 Complaints**

19.1 If at any time, the Owner receives complaints regarding the operation of the Site, the Owner shall respond to these complaints according to the following procedure:

- (1) The Owner shall record and number each complaint, either electronically or in a log book, and shall include the following information:
  - (a) the nature of the complaint;
  - (b) the name, address and the telephone number of the complainant if the complainant will provide this information;
  - (c) the time and date of the complaint; and
  - (d) weather conditions at the time of the complaint.
- (2) The Owner, upon notification of the complaint, shall initiate appropriate steps to determine all possible causes of the complaint, proceed to take the necessary actions to eliminate the cause of the complaint and forward a formal reply to the complainant; and
- (3) The Owner shall complete and retain on-site a report with a copy submitted to the District Manager within one (1) week of the complaint date, listing the actions taken to resolve the complaint and any recommendations for remedial measures, and managerial or operational changes to reasonably avoid the recurrence of similar incidents.

## **20.0 Emergency Response/Contingency Plan**

- 20.1 The Emergency Response Plan shall be kept up to date, and a copy shall be retained in a central location on the Site and shall be accessible to all staff at all times. Copies shall be submitted to the local Municipality and the Fire Department. Changes to the Emergency Response Plan shall be submitted to the District Manager. It is the discretion of the District Manager if such changes require Director's approval.
- 20.2 The equipment, materials and personnel requirements outlined in the Emergency Response Plan shall be immediately available on the Site at all times. The equipment shall be kept in a good state of repair and in a fully operational condition.
- 20.3 All staff that operate the Site shall be fully trained in the use of the contingency and emergency response plans, and in the procedures to be employed in the event of an emergency.
- 20.4 The Owner shall immediately take all measures necessary to contain and clean up any spill or leak which may result from the operation of this Site and immediately implement the emergency response plan if required.

## **21.0 Record Keeping**

- 21.1 The Owner shall maintain, at the site, a written log book or computer system, in which the following information is recorded:
  - (a) date of record;
  - (b) types, quantities and source of waste received;
  - (c) quantities of waste stored on the Site;

- (d) quantities and destination of waste shipped from the site;
- (e) the results of waste analyses; and
- (f) results of the inspection required under Condition (18), including the name and signature of the person conducting the inspection.
- (g) the results of the batch testing required under Condition 15.1 (b).

## **22.0 Financial Assurance**

- (1) No later than 20 days from the date of issuance of this Approval, the Owner shall submit Financial Assurance, as defined in Section 131 of the EPA, to the Director such that the total amount held by the Ministry is **\$400,000**. This Financial Assurance shall be in a form acceptable to the Director, and shall provide sufficient funds for the analysis, transportation, Site clean-up, monitoring and disposal of all quantities of waste on-Site at any one time;
- (2) Commencing on October 31, 2029 and at intervals of five (5) years thereafter, the Owner shall submit to the Director a re-evaluation of the amount of Financial Assurance to implement the actions required under Condition 22 (1). The re-evaluation shall include an assessment based on any new information relating to the environmental conditions of the Site and shall include the costs of additional monitoring and/or implementation of contingency plans required by the Director upon review of the closure plan and annual reports. The Financial Assurance must be submitted to the Director within twenty (20) days of written acceptance of the re-evaluation by the Director;
- (3) The amount of Financial Assurance is subject to review at any time by the Director and may be amended at his/her discretion. If any Financial Assurance is scheduled to expire or notice is received, indicating Financial Assurance will not be renewed, and satisfactory methods have not been made to replace the Financial Assurance at least sixty (60) days before the Financial Assurance terminates, the Financial Assurance shall forthwith be replaced by cash.

## **23.0 Design and Operations Report**

- 23.1 The Design and Operations Report shall be prepared and stamped by a Professional Engineer and shall include as a minimum:
  - a. a site plan, showing the location of site boundaries, fences, gates, buildings, storage areas, receiving areas, storage and processing tanks, pipes and spill containment berms;
  - b. plans showing the interior layout of all buildings used to store or process waste;
  - c. specifications of all storage and processing tanks including dimensions, volumes, level monitoring systems, type of material, venting;

- d. details of spill containment systems for all storage and processing tanks, pipes and pumps, which include type of material, dimensions and permeability and calculations demonstrating that the design and capacity is adequate;
- e. a detailed description of waste receiving protocols which include record keeping, testing procedures and other methods used to ensure that wastes are properly characterized and safely stored and processed;
- f. a detailed description of how wastes are stored, transferred or processed on the Site, including process schematics and material balances;
- g. a calculation of maximum waste receiving capacity and storage capacity;
- h. a description of all environmental protection measures at the site which address all potential sources of adverse effects at the site; and
- i. details all process and environmental monitoring at the Site.

23.2 The Design and Operations Report shall be retained at the Site; kept up to date through periodic revisions; and be available for inspection by Ministry staff. Changes to the Design and Operations Report shall be submitted to the Director for approval.

#### **24.0 Annual Report**

24.1 By March 31, 2022, and on an annual basis thereafter, the Owner shall submit an annual report to the District Manager for the previous calendar year. Each report shall include the following information (all quantities must be reported in Metric Tonnes or Litres):

- (a) a monthly summary of the quantity of waste received and processed at the Site;
- (b) a monthly summary of the quantity of material shipped from the Site for recycling;
- (c) a monthly summary of the quantity of residual waste shipped from the Site for final disposal;
- (d) a monthly summary of the records required by Condition 14.6 of the Approval;
- (e) any environmental and operational problems, that might negatively impact the environment, encountered during the operation of the site and any mitigative actions taken;
- (f) a statement as to compliance with all conditions of this Approval and with the inspection and reporting requirements of the conditions; and
- (g) any recommendations to minimize impacts and improve Site operations and monitoring programs.

#### **25.0 Closure Plan**

- 25.1 (1) The Owner shall submit to the District Manager written notification of the decision to cease activities at the Site and a schedule for the implementation of the activities in accordance with the decommissioning activities outlined in Item 1 of Schedule "A". The notification and schedule shall be submitted either not later than four (4) months prior to the planned permanent closure of the Site or forthwith in the situation of an unplanned permanent closure of the Site or indefinite cessation of Site activities.
- (2) Within ten (10) days after closure of the Site, the Owner shall notify the Director and the District Manager, in writing, that the Site is closed and that the decommissioning activities have been completed.



## Schedule "A"

*This Schedule "A" forms part of this Approval.*

1. Letter to Mr. Brad Farnand, Ontario Ministry of Environment and Energy from Dean C. Edwardson, Laidlaw Environmental Services Ltd. dated May 24, 1996.
2. Letter and supporting documentation titled " Supporting Documentation for an Amendment to Provisional Certificate of Approval A170115" to Mr. David Ross, Ontario Ministry of Environment and Energy from Mr. A. R. Turnbull dated June 5, 1996.
3. Letter to Ms. Deanna Johnson, Ministry of Environment and Energy from Mr. A. R. Turnbull, PPM Canada Inc. dated October 22, 1996.
4. Letter to Ms. Deanna Johnson, Ministry of Environment and Energy from Mr. A. R. Turnbull, PPM Canada Inc. received November 11, 1996.
5. Letter to Lee Van Biesbrouck, Ministry of Environment and Energy from Mr. A. R. Turnbull, PPM Canada Inc. dated November 28, 1996.
6. Letter dated April 29, 1997 to Ms. Deanna Johnson, Ministry of Environment and Energy, from Rod Turnbull, Facilities Sales Manager, Waste water Treatment and a completed Certificate of Approval Application Form, and supporting documentation requesting an amendment to Certificate of Approval No. A170115.
7. Letter dated June 11, 1997, from Camille Atrache, On-Site Services Facility Manager, Laidlaw Environmental Services (Guelph) Inc., including copies of Consumer and Commercial Relations Business Corporation Act Form 3, for Laidlaw Environmental Services (Guelph), Inc. in support of a name change.
8. An application for amendment to Certificate of Approval # A170115 dated September 25, 2002.
9. Report entitled : "Application for Amendment to Certificate of Approval #A170115" prepared by Clean Harbors submitted in support of the application.
10. Letter to Vesna Guzina, Ministry of the Environment, from Rod Turnbull, Clean Harbors Canada, Inc. dated April 10, 2003.
11. Application for a Provisional Certificate of Approval for a Waste Disposal Site to amend the current Certificate of Approval, signed by Rodney Turnbull, Facility Manager, Clean Harbors Canada Inc., dated January 26, 2005.
12. Letter from Richard Saunders, MOE, dated June 15, 2005, to Rod Turnbull, Facility Manager (Clean Harbors Canada Clean Harbors Canada Inc.) requesting additional information and

clarification to the application.

13. Letter from Rod Turnbull, Facility Manager (Clean Harbors Canada Clean Harbors Canada Inc.), dated June 21, 2005, to Richard Saunders (MOE) providing additional details regarding the above ground treatment tanks, oil filtration and heating system, new oil storage tank, dimension of lugger boxes and corrosive waste storage.
14. Letter from Richard Saunders, MOE, dated July 13, 2005, to Rod Turnbull, Facility Manager (Clean Harbors Canada Clean Harbors Canada Inc.) requesting additional information.
15. Letter from Rod Turnbull, Facility Manager (Clean Harbors Canada Clean Harbors Canada Inc.), dated August 11, 2005, to Richard Saunders (MOE) in response to request for additional information regarding the above ground treatment tanks, new oil storage tank, dimension of lugger boxes and corrosive waste storage.
16. Letter from Robert Yanchis, Senior Manager Compliance (Clean Harbors Canada Inc.) dated November 7, 2005 to Tim Edwards (MOE) including the following information: a revision to the application to include a single 48,000 L treated water tank (as opposed to the two originally proposed); a clarification regarding the volume of treated solid waste that will be stored within each lugger box; and a revised tank schedule and plant layout drawing.
17. Letter from Robert Yanchis, Senior Manager Compliance (Clean Harbors Canada Inc.) dated November 8, 2005 to Tim Edwards (MOE) providing an updated financial assurance re-evaluation.
18. Design and operations Report dated May 2006 approved by R.J.Yanchis.
19. Email dated August 28, 2007 from Franklin Trevor to Jatinbhai Patel of the Ministry of the Environment.
20. Clean Harbors Environmental Services submission of Financial Assurance re-evaluation, dated March 24, 2008 to Director - Financial Assurance, Ministry of the Environment. Re: 2008 Re-evaluation.
21. Letter to Trevor Franklin, Operations Manager, CleanHarbors Environmental Services dated May 21, 2008 from Francis Chang, P. Eng., Senior Review Engineer - Waste, Ministry of the Environment. Re: FA Re-evaluation, File 2278-7D6H8C.
22. Email to Francis Chang, P. Eng., Senior Review Engineer - Waste, Ministry of the Environment dated June 4, 2008 from Trevor Franklin, Operations Manager, CleanHarbors Environmental Services. Re: Source of Unit Costs.
23. Letter to Trevor Franklin, Operations Manager, Clean Harbors Environmental Services dated June 5, 2008 from Francis Chang, P. Eng., Senior Review Engineer - Waste, Ministry of the Environment. Re: Request for Additional Information.

24. Email to Francis Chang, P. Eng., Senior Review Engineer - Waste, Ministry of the Environment dated June 5, 2008 from Trevor Franklin, Operations Manager, CleanHarbors Environmental Services. Re: Errors Recently Discovered with Schedule "C".
25. Letter to Francis Chang, P. Eng., Senior Review Engineer - Waste, Ministry of the Environment dated June 16, 2008 from Trevor Franklin, Operations Manager, CleanHarbors Environmental Services. Re: Re-evaluation of Financial Assurance, with attachments.
26. Application for a Provisional Certificate of Approval for a Waste Disposal Site to amend the current Certificate of Approval signed by Trevor, Franklin dated June 27, 2008 including updated Design and operation report dated June 2008 with all supporting documentation and cover letter dated June 27th 2008 signed by Trevor Franklin, Operations Manager from Clean Harbors Canada, Inc.
27. Letter dated February 2, 2009 from Trevor, Franklin, Operations Manager to Hirva Vyas, P.Eng. MoE including revised Design and Operation Report along with Waste Analysis Plan.
28. Email dated February 11, 2009 from Trevor, Franklin, Operations Manager to Hirva Vyas, P.Eng., MoE including revised Schedule "C"
29. Email dated March 19, 2008 from Trevor, Franklin, Operations Manager to Hirva Vyas, P.Eng., MoE including revised Design and Operation Report dated March 2009.
30. Letter dated August 19, 2011, from Rodney Turnball, General Manager, Clean Harbors Canada Inc., Re: 2011 FA re-evaluation.
31. E-mail dated April 4, 2012, from Rodney Turnball, General Manager, Clean Harbors Canada Inc., including revised disposal cost.
32. E-mail dated April 11, 2012, from Rodney Turnball, General Manager, Clean Harbors Canada Inc., including quote from Newalta.
33. Environmental Compliance Approval Application dated February 12, 2014, including all supporting documentation.
34. Letter dated March 20, 2015 from Mike Branch, Compliance Manager, Clean Harbors Canada Inc., to Andrew Neill, P.Eng., MOECC, with additional information: (1) confirmation that no food waste will be accepted at the site; (2) spill calculations and drawings for the additional drum storage and concrete pad locations; (3) confirmation that no additional handling is required for additional waste classes.
35. Letter dated March 19, 2011, from Mike Branch, Compliance Manager, Clean Harbors Canada Inc., regarding ECA No. A170115, Re-evaluation of Financial Assurance Bond Amount, including supporting information.

36. Design and operations Report version 4 dated October 2017, prepared by Ian Culverwell, Clean Harbors Canada, Inc.
37. Environmental Compliance Approval dated October 31, 2021 with a revised Financial Assurance re-evaluation.
38. Environmental Compliance Approval application dated December 13, 2022, including all supporting documentation, requesting an increase in the daily receiving and storage rates for solid non-hazardous waste, the construction of a sludge dewatering pit, excavator pad, four new storage tanks, two trailer loading areas, and a concrete storage pad for containers and loaded trailers.
39. Environmental Compliance Approval application dated December 13, 2022 signed by Ian Culverwell, General Manager, Clean Harbors Canada Inc., including all supporting documentation, requesting the addition of solid non-hazardous and solid hazardous waste from industrial sources, the construction of a sludge dewatering and solidification pit, an excavator pad, four new storage tanks, trailer loading areas, and a drum storage pad.
40. Emails dated January 4, 2023 9:34AM, January 4, 2023 11:42AM and January 5, 2023 from Erica Carabott, Clean Habrors Canada Inc., to Andrew Neill, P.Eng., MECP, with a revised Design and Operations Report, additional information and a revised drawing.

**Schedule "B"**

*This Schedule "B" forms part of this Approval.*

<b>Parameter</b>	<b>Inorganic Preship and Preoffload</b>	<b>Organic Preship and preoffload (NOTE 1)</b>	<b>Corrosive Preship and Preoffload</b>	<b>Outgoing Oil</b>	<b>Outgoing Solid Wastes</b>	<b>Effluent</b>
<b>PCB</b>		X		X		
<b>Organo Chloride</b>		X		X		
<b>Flash Point</b>		X		X		
<b>pH</b>	X	X	X			X
<b>Sepecific Gravity</b>	X	X	X			
<b>Density</b>						
<b>Cadmium</b>	X	X	X			X
<b>Chromium</b>	X	X	X			X
<b>Copper</b>	X	X	X			X
<b>Lead</b>	X	X	X			X
<b>Iron</b>	X	X	X			X
<b>Nickel</b>	X	X	X			X
<b>Zinc</b>	X	X	X			X
<b>Cyanide</b>	X	X	X			
<b>Nitrate, Nitrite</b>	X	X	X			
<b>BOD5</b>						X
<b>Reg 347 Leachate</b>					X	
<b>TSS</b>						X
<b>Phase Separation</b>		X				
<b>Refractive Index</b>		X				

Note 1: Phase separation is performed via centrifuge into Bottom solids, water and oil. The organic phase is tested for PCB's. Chlorine and flash point. The aqueous phase is tested for all other parameters marked with an X.

**Schedule "C"**

***Tank Schedule***

*This Schedule "C" forms part of this Approval.*

<b>Clean Harbors Canada Inc. Guelph Wastewater Treatment Plant</b>				
<b>Plant System</b>	<b>Unit #</b>	<b>No.</b>	<b>Unit Size</b>	<b>Volume</b>
<b>Primary System</b>				
Primary Receiving Tanks	T-101 through T-108	8	24,590 L	196,720 L
Solids Mixers	18, 19	2	5,000 L	10,000 L
Receiving Cells	22a, 22b	2	1,200 L	2,400 L
<b>Secondary System</b>				
Filter Press Surge Tank (OTA)	T-201	1	45,570 L	45,570 L
Biox Treatment Tanks (OTB & OTC)	T-202	1	45,570 L	45,570 L
Filtrate Equalization Tank (OTD)	T-203, T-204	2	45,570 L	91,140 L
<b>Oil Treatment System</b>				
Oil Storage (RTA)	T-205	1	27,860 L	27,860 L
Oil Heating and Treatment (RTB)	T-206	1	27,860 L	27,860 L
Treated oil Storage (FOT)	T-207	1	27,808 L	27,808 L
<b>Treated Water</b>				
Treated Water Storage (HST)	T-252	1	69,200 L	69,200 L
Treated Water Storage (VST)	T-251	1	63,000 L	63,000 L
<b>Solids System</b>				
Containers / Roll-off boxes	--	25	24,500 L	612,500 L
Filter Press cake	23 c	1	1,200 L	1,200 L
Filter Press Treatment Cells	23a, 23b	2	5,000 L	10,000 L
Dump Pit	T-501	1	25,000 L	25,000 L
Dump Trailers		2	35,000 L	70,000 L
Truck Washout Bay		1	11,055 L	11,055 L
<b>Drum Storage</b>				
Warehouse Drum Storage		200	205 L	41,000 L
Outdoor Drum Storage Pad		300	205 L	61,500 L
<b>Outdoor Tanks Storage</b>				

<b>(expansion)</b>				
	T-301	1	133,000	133,000
	T-302	1	133,000	133,000
	T-303	1	133,000	133,000
	T-404	1	133,000	133,000
<b>Waste-derived Treatment Media</b>				
Caustic A	T-401	1	6,418 L	6,418 L
Caustic B	T-402	1	8,022 L	8,022 L
Caustic C	T-403	1	8,022 L	8,022 L
Aluminum bromide	T-404	1	40,000 L	40,000 L
<b>Total Waste Volume</b>				2,033,845 L

*The reasons for the imposition of these terms and conditions are as follows:*

The reason for the definitions is to simplify the wording of the subsequent conditions and define the specific meaning of terms as used in this Approval.

The reason for Conditions 1.0, 3.0, 4.0, 5.0 and 8.0 is to clarify the legal rights and responsibilities of the Owner and Operator.

The reason for Conditions 2.0 and 23.0 is to ensure that the Site is operated in accordance with the application and supporting documentation submitted by the Owner, and not in a manner which the Director has not been asked to consider.

The reasons for Condition 6.1 are to ensure that the Site is operated under the corporate name which appears on the application form submitted for this approval and to ensure that the Director is informed of any changes.

The reasons for Condition 6.2 are to restrict potential transfer or encumbrance of the Site without the approval of the Director and to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.

The reason for Condition 7.0 is to ensure that appropriate Ministry staff have ready access to the Site for inspection of facilities, equipment, practices and operations required by the conditions in this Approval. This condition is supplementary to the powers of entry afforded a Provincial Officer pursuant to the EPA and OWRA.

The reasons for Conditions 9.0 and 10.0 are to specify the types of waste that may be accepted at the Site, the amounts of waste that may be stored at the Site and the maximum rate at which the Site may receive and ship waste based on the Owner's application and supporting documentation.

The reason for Condition 11.1 is to specify the approved service area from which waste may be accepted at the Site.

The reason for Condition 11.2 is to specify the hours of operation for the Site.

The reason for Condition 12.1 is to ensure that emergency responders and the public have the necessary contact information in the event of an emergency or complaint.

The reason for Condition 12.2 is to ensure the controlled access and integrity of the Site by preventing unauthorized access when the Site is closed and no site attendant is on duty.

The reason for Conditions 13.0, 14.0, 15.0 and 16.0 is to ensure that the Site is operated in a manner which does not result in a nuisance or a hazard to the health and safety of the environment or people.

The reason for Condition 17.0 is to ensure that the Site is operated by properly trained staff in a manner which does not result in a hazard or nuisance to the natural environment or any person.

The reason for Condition 18.0 is to ensure that detailed records of Site inspections are recorded and maintained for inspection and information purposes.

The reason for Condition 19.0 is to ensure that any complaints regarding Site operations at the Site are responded to in a timely manner.

The reasons for Condition 20.0 are to ensure that an Emergency Response Plan is developed and maintained at the Site and that staff are properly trained in the operation of the equipment used at the Site and emergency response procedures.

The reason for Condition 21.0 is to provide for the proper assessment of effectiveness and efficiency of site design and operation, their effect or relationship to any nuisance or environmental impacts, and the occurrence of any public complaints or concerns. Record keeping is necessary to determine compliance with this Approval, the EPA and its regulations.

The reason for Condition 22.0 is to ensure that sufficient funds are available to the Ministry to clean up the Site in the event that the Owner is unable or unwilling to do so.

The reasons for Condition 24.0 are to ensure that regular review of site development, operations and monitoring data is documented and any possible improvements to site design, operations or monitoring programs are identified. An annual report is an important tool used in reviewing site activities and for determining the effectiveness of site design.

The reason for Condition 25.0 is to ensure that the Site is closed in accordance with Ministry standards and to protect the health and safety of the public and the environment.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A170115 issued on September 17, 2021**

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land Tribunal and in accordance with Section 47 of the *Environmental Bill of Rights*, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this notice, require a



hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the notice requiring the hearing ("the Notice") shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the *Environmental Protection Act*, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

Registrar\*  
Ontario Land Tribunal  
655 Bay Street, Suite 1500  
Toronto, Ontario  
M5G 1E5  
OLT.Registrar@ontario.ca

and

The Minister of the Environment,  
Conservation and Parks  
777 Bay Street, 5th Floor  
Toronto, Ontario  
M7A 2J3

and

The Director appointed for the purposes of  
Part II.1 of the *Environmental Protection Act*  
Ministry of the Environment,  
Conservation and Parks  
135 St. Clair Avenue West, 1st Floor  
Toronto, Ontario  
M4V 1P5

**\* Further information on the Ontario Land Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349 or 1 (866) 448-2248, or [www.olt.gov.on.ca](http://www.olt.gov.on.ca)**

This instrument is subject to Section 38 of the *Environmental Bill of Rights*, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the *Environmental Protection Act*.

DATED AT TORONTO this 26th day of July, 2024



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Mohsen Keyvani, P.Eng.  
Director  
appointed for the purposes of Part II.1 of the  
*Environmental Protection Act*

AN/

c: District Manager, MECP Guelph  
Dave Lake, Dillon Consulting Limited