

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A210237

Issue Date: May 29, 2020

GFL Environmental Inc.
3525 Mavis Rd
Mississauga, Ontario
L5C 1T7

Site Location: 3525 Mavis Road
Mississauga City, Regional Municipality of Peel
L5C 1T7

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:

a 0.78 hectare Waste Disposal Site (Transfer/Processing)

to be used for the transfer, processing and temporary storage of solid non-hazardous municipal waste subject to the conditions of this Approval; and including the following sources discharging to the air:

- one (1) odour control system to control emissions from an enclosed building operating as the GFL Environmental Inc. Waste Transfer Station, consisting of one (1) baghouse dust collection system containing a total of 416 filter bags and a total filter area of 753 square metres, connected in series with an activated carbon system consisting of two (2) granular activated carbon media chambers connected in series and each containing a total of 816 kilograms of activated carbon, discharging to the air at a maximum volumetric flow rate of 37.76 cubic metres per second, through a stack designated at STCK3, having an exit diameter of 1.52 metres, and extending 14.6 metres above grade.

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

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

2. "**Acoustic Assessment Report**" means the report, prepared in accordance with Publication NPC-233 submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility. "Acoustic Assessment Report" also means the report prepared by Dillon Consulting Ltd., dated November 2014 and signed by Alex Ballez, P.Eng. and the supplementary emails sent November 11 and 12, 2015 by Amir A. Irvani, Ph.D., Dillon Consulting Ltd.;
3. "**Adverse Effect**" is defined under the Environmental Protection Act, R.S.O., 1990;
4. "**AERMOD**" means the dispersion model developed by the American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model Improvement Committee (AERMIC) including the PRIME (Plume Rise Model Enhancement) algorithm, used to calculate one-hour average concentrations of a contaminant at the Point of Impingement and at the most impacted Sensitive Receptor and other receptors as directed by the District Manager;
5. "**Director**" means any Ministry employee pursuant to section 20.3 of Part II.1 of the EPA;
6. "**District Manager**" means the District Manager of the local district office of the Ministry in which the Site is geographically located;
7. "**Domestic Waste**" means waste that originates from residences at a regular curbside collection;
8. "**EPA**" means the Environmental Protection Act, R.S.O. 1990, C.E-19, as amended;
9. "**Exhausted**" means the capacity of the activated carbon bed to adsorb contaminant emissions is reached, and the activated carbon is no longer able to effectively reduce emissions;
10. "**Facility**" means the entire operation located on the property where the System is located;
11. "**ICI**" waste means received from industrial, commercial and institutional sources and includes construction and demolition waste.
12. "**Manager**" means the Manager, Technology Standards Section, Standards Development Branch of the Ministry, or any other person who represents and carries out the duties of the Manager, as those duties relate to the conditions of this Approval;
13. "**Manual**" means a document or a set of documents that provide written instructions to staff of the Owner;
14. "**Ministry**" and "**MECP**" means the Ontario Ministry of the Environment, Conservation and Parks;
15. "**Noise Control Measures**" means measures to reduce the noise emission from the Facility and/or System including, but not limited to silencers, acoustic louvers, enclosures, absorptive treatment, plenums and barriers. It also means the noise control measures detailed in the Acoustic Assessment Report;

16. **"O. Reg. 419/05"** means the Ontario Regulation 419/05, Air Pollution – Local Air Quality, as amended;
17. **"Owner"** means any person that is responsible for the establishment or operation of the Site being approved by this Approval, and includes GFL Environmental Inc., its successors and assigns;
18. **"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, and includes its successors or assigns;
19. **"OWRA"** means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
20. **"PA"** means the Pesticides Act, R.S.O. 1990, c. P-11, as amended from time to time;
21. **"Point of Impingement"** has the same meaning as in section 2 of O. Reg. 419/05; 20.
22. **"Pre-Test Information"** means the information outlined in Section 1 of the Source Testing Code;
23. **"Processed Waste"** means sorted recyclable materials that are destined for an end user;
24. **"Provincial Officer"** means any person designated in writing by the Minister of MECP as a provincial officer pursuant to section 5 of the OWRA or section 5 of the Act or section 17 of PA;
25. **"Publication NPC-233"** means Ministry Publication NPC-233 "Information to be Submitted for Approval of Stationary Sources of Sound", October 1995;
26. **"Publication NPC-300"** means the Ministry Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August, 2013, as amended;
27. **"Qualified Person"** means a qualified professional currently active in the field of design, operation and maintenance of industrial odour control systems that has a combination of formal university education, training and experience necessary to provide operational services for the odour control system;
28. **"Recyclables"** means plastic containers, plastic cans, glass bottles and jars, scrap metal, untreated wood, cardboard, paper; from domestic, industrial, commercial and institutional sources;
29. **"Reg. 347"** means Regulation 347, R.R.O. 1990, General - Waste Management, made under the EPA, as amended from time to time;
30. **"Residual Waste"** means waste that is destined for final disposal;

31. "**Sensitive Receptor**" means any location where routine or normal activities occurring at reasonably expected times would experience adverse effect(s) from discharges from the Facility to the atmosphere, including one or a combination of:
- a. private residences or public facilities where people sleep (eg: single and multi-unit dwellings, nursing homes, hospitals, trailer parks, camping grounds, etc.);
 - b. institutional facilities (eg: schools, churches, community centres, day care centres, recreational centres, etc.);
 - c. outdoor public recreational areas (eg: trailer parks, play grounds, picnic areas, etc.); and
 - d. other outdoor public areas where there are continuous human activities (eg: commercial plazas and office buildings);
32. "**Site**" means the entire waste disposal site, located at 3525 Mavis Road, Mississauga City, Regional Municipality of Peel, Ontario, approved by this Approval;
33. "**Source Testing**" means sampling and testing to measure the rate of emission of odour from the odour control system stack (STCK3) and any fugitive sources as directed by the Manager or District Manager when the Facility is operating at its maximum processing capacity or at a processing capacity agreed by the Manager or District Manager;
34. "**Source Testing Code**" means the Source Testing Code, Version 2, Report No. ARB-66-80, dated November 1980, prepared by the Ministry, as amended.
35. "**System**" means the odour control system described in the Owner's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
36. "**Trained Personnel**" means an employee who has received training in accordance with this Approval and is qualified because of knowledge, training and experience, to organize the work and its performance;
37. "**Unprocessed Waste**" means wastes received at the Site which has not fully completed the Owner's sorting/processing operation.

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

TERMS AND CONDITIONS

GENERAL

1.0 In Accordance

- 1.1 Except as otherwise provided for in this Approval, the Site shall be designed, developed, built, operated and maintained in accordance with:
- (a) the Application for Approval (Waste Disposal Site) dated July 15, 2013 and signed by Joy Grahek, V.P. Legal, GFL Environmental Inc. including the Design and Operations Report, Appendices and all other attachments;
 - (b) the Application for Approval (Air & Noise) submitted by GFL Environmental Inc., dated May 6, 2014 and signed by Patrick Dovigi, CEO; and the supporting information, including the Emission Summary and Dispersion Modelling Report, submitted by Dillon Consulting Limited, dated May 6, 2014 and signed by Ravi Mahabir, P. Eng., and the Acoustic Assessment Report prepared by Dillon Consulting Limited, dated November 2014 and signed by Alex Ballez, P.Eng.; and
 - (c) the additional information and supporting documentation listed in Schedule "A".
- 1.2 Use of the Site for any other type of waste, or other waste management activity, is not permitted under this Approval, and requires obtaining a separate approval amending this Approval.
- 1.3 Applications to amend this Approval, for reasons other than administrative amendments, shall include submission of a revised Design and Operations Report.
- 1.4 (a) Construction and installation of aspects described in Schedule "A" must be completed within 5 years of the later of:
- (1) the date this Approval is issued; or
 - (2) 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.
- (b) 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 1.4(a).

2.0 Compliance

- 2.1 The Owner 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.
- 2.2 Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Approval.

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 conditions of this Approval are severable. If any condition of this Approval, or the application of any condition of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition 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:
- (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or
 - (b) limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner to furnish any further information related to compliance with this Approval.
- 4.2 The Owner shall ensure that:

- (a) all equipment discharging to air operating at the Site are approved under Section 9 of the Act; and
- (b) all direct effluent discharges from this Site, including stormwater run-off, are managed in accordance with appropriate Municipal, Provincial and/or Federal Legislation, Regulations and By-laws.

5.0 Adverse Effect

- 5.1 The Owner 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, or any other person fulfilling any obligations imposed by this Approval, the 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 30 days of the occurrence of any changes in the following information:
 - (a) the ownership of the Site;
 - (b) the appointment of or a change in the operator of the Site;
 - (c) the address of the Owner;
 - (d) 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.
- 6.2 No portion of this Site shall be transferred or encumbered 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.
- 6.3 In the event of any change in ownership of the works, 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 Act, or the PA, of any place to which this Approval relates, and without limiting the foregoing:
- (a) to enter upon the premises where the approved works are located, or the location where the records required by the conditions of this Approval are kept;
 - (b) to have access to, inspect, and copy any records required to be kept by the conditions of this Approval;
 - (c) to inspect the Site, related equipment and appurtenances;
 - (d) to inspect the practices, procedures, or operations required by the conditions of this Approval; and
 - (e) 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 Site and its operation under this Approval, including but not limited to any records required to be kept by this Approval shall 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 Ministry to 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:
- (a) 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
 - (b) acceptance by the Ministry of the information's completeness or accuracy.
- 8.3 All records required by the conditions of this Approval must be kept on Site for a minimum period of five (5) years from the date of their creation.
- 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.

FINANCIAL ASSURANCE

9.0 Financial Assurance

- 9.1 The Owner shall maintain Financial Assurance, as defined in Section 131 of the EPA, in the amount \$65,780.00. 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;
- 9.2 Commencing on March 31, 2024 and at intervals of four (4) 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 9.1. 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.
- 9.3 Commencing on March 31, 2021, the Owner shall prepare and maintain at the Site an updated re-evaluation of the amount of financial assurance required to implement the actions required under Condition 9.1 for each of the intervening years in which a re-evaluation is not required to be submitted the Director under Condition 9.2. The re-evaluation shall be made available to the Ministry, upon request; and
- 9.4 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 Owner shall forthwith replace the financial assurance with cash.

SITE OPERATIONS

10.0 General requirements

- 10.1 The Owner shall prepare any Manuals, plans or assessments as required by this Approval before the commencement of operation of the System.

11.0 Notification to the Ministry

- 11.1 The Owner shall notify the District Manager not later than one (1) week prior to the planned commencement of construction of the System. This notification shall include a statement confirming that the System meets the requirements of Condition 1.1.

- 11.2 The Owner shall notify the District Manager not later than one (1) week prior to the planned commencement of operation of the System. This notification shall include the confirmation prepared, dated and signed by a Qualified Person that the System has been constructed, installed and tested in accordance with the design and specifications as recommended by the System manufacturer(s) and this Approval.
- 11.3 The Owner shall, within one (1) business day, notify the District Manager when the System is shut down, while in operation, in the event of:
- (a) unscheduled inspection and/or maintenance of the System; or
 - (b) a power failure.

12.0 Performance Requirements

- 12.1 The Owner shall ensure that:
- (a) when the System is not operating, all doors to the building are kept closed, except for vehicle and staff ingress and egress. Doors shall be kept open for a minimum amount of time, in order to minimize odour and dust escape from the building. Procedures for door operation shall be documented and implemented;
 - (b) when the System is operating,
 - (i) a minimum of two (2) front bay doors are closed and door-face velocities between 90 and 160 feet per minute (fpm) are maintained at all times, except for an emergency; and,
 - (ii) the activated carbon in the System is replaced before it is Exhausted.
- 12.2 The Owner shall:
- (a) ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300;
 - (b) restrict the number of trucks to a maximum of twenty-eight (28) per hour during daytime and evening hours (7 am to 11 pm), and to a maximum of twenty (20) per hour during night-time hours (11 pm to 7 am); and
 - (c) ensure that the Noise Control Measures are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report.

13.0 Source Testing

- 13.1 The Owner shall perform Source Testing in accordance with the procedures in Schedule "B" to determine the rate of emission of odour from the odour control system stack and

any other sources as directed by the District Manager.

14.0 Service Area

14.1 The Site is approved to receive waste generated in the Province of Ontario only.

15.0 Hours of Operation

15.1 On a weekly basis, the Site may operate Monday to Friday, 24 hours per day and Saturday from 7:00 a.m. to 2:00 p.m. subject to municipal by-law restrictions.

16.0 Approved Waste Types

16.1 The Owner shall ensure that the Site is only used for the transfer, processing and temporary storage of solid, non-hazardous municipal waste limited to the following conditions:

- (a) The Site may accept solid non-hazardous Industrial, Commercial and Institutional (IC&I) wastes from January 1 through to December 31 of each year; and
- (b) The Site may only accept Domestic Waste from October 1 through April 30 of each year.

16.2 (a) Notwithstanding the Condition 16.1 (b), once the System has been installed and is operational, the Owner is permitted to accept Domestic Waste from January 1 through to December 31 of each year; and

(b) If at any time during May 1 through September 30, should the System not be operational, the Site is not permitted to receive Domestic Waste.

16.3 The Owner shall ensure that the following unacceptable wastes are prohibited to be received at the Site:

- (a) liquid industrial waste;
- (b) hazardous waste;
- (c) radioactive waste;
- (d) biomedical waste;
- (e) asbestos;
- (f) municipal or industrial sewage; and
- (g) compost.

16.4 (a) All waste shall be inspected by a Trained Personnel prior to being accepted at the Site and shall only be permitted to enter the Site if the Site is approved to accept that type of waste; and

(b) The Owner shall ensure that a Trained Personnel is on duty at all times when the Site is open to ensure proper supervision of all activities.

- 16.5 In the event that unacceptable waste is received at the Site, the Owner shall:
- (a) refuse receipt of the unacceptable waste and return the waste to the generator if safe to do so; or
 - (b) if returning the waste is not feasible, the Owner shall isolate the unacceptable waste and remove it from the Site within twenty-four (24) hours of receipt in accordance with Reg. 347; and
 - (c) the Owner shall review the incident and take appropriate steps to prevent future receipt of unacceptable waste.

17.0 Approved Waste Limits

17.1 Prior the System installation, the Owner shall ensure that:

- (a) the total maximum amount of ICI and Domestic Waste received at the Site does not exceed 800 tonnes per day; and the maximum amount of ICI and Domestic Waste stored on Site shall not exceed 800 tonnes at any time; and
- (b) from May 1st to September 30th, Domestic Waste is not received at the Site; and
- (c) from October 1st to April 30th, the daily maximum amount of Domestic Waste received and stored at the Site is no greater than 100 tonnes per day; and
- (d) the maximum amount of Residual Waste, requiring final disposal shall not exceed 800 tonnes per day.

17.2 Notwithstanding the Condition 17.1, after the System is installed, the Owner shall ensure that:

- (a) the total maximum amount of ICI and Domestic Waste received at the Site does not exceed 800 tonnes per day; and the maximum amount of ICI and Domestic Waste stored on Site shall not exceed 800 tonnes at any time; and the maximum amount of Residual Waste, requiring final disposal shall not exceed 800 tonnes per day; and
- (b) the Facility must operate the System 24 hours per day subject to the following conditions:
 - (i) from May 1st to September 30th, on any day when there is Domestic Waste on the Site;
 - (ii) from October 1st to April 30th, on any day when the amount of Domestic Waste on the Site exceeds 100 tonnes; and;
 - (iii) when a complaint is received at the Facility and until such a time the complaint has been resolved as per Condition 22.1.

17.3 In the event that Residual Waste and/or Processed Waste cannot be removed from the Site and the total storage capacity as approved in Condition 17.1 (a) has been reached, the Owner:

- (a) must cease accepting additional waste to ensure the total approved storage capacity does not exceed the maximum amount approved by this Approval; and
- (b) shall notify District Manager immediately and submit a written schedule to the District Manager for removal the stored waste , within three (3) days of reaching the storage capacity; and
- (c) shall remove stored waste in accordance with the schedule required in Condition 17.3 (b).

18.0 Waste Storage and Management

18.1 The Owner shall ensure that:

- (a) all waste entering the Site shall be immediately received and off-loaded in the building;
- (b) processing activities are limited to sorting of Recyclables and shall take place within the confines of the building at all times;
- (c) all waste including Processed Waste and Residual Waste shall be stored within the building at all times;
- (d) all Domestic Waste shall be stored within the building at all times and shall not remain on Site for a period longer than forty eight (48) hours of receipt;
- (e) all waste other than Domestic Waste must be transferred from the Site within seventy-two (72) hours of receipt;
- (f) only Recyclables limited to glass, plastic, metal and wood may be stored outdoors in separate containers that are covered in such a manner that any negative impacts to the environment are minimized;
- (g) any other Recyclables including paper, cardboard and drywall must be stored indoors separate from other wastes; and
- (h) waste shall not be stored outside the building in lugger bins or parked trucks.

18.2 All wastes at the Site shall be managed and disposed in accordance with the EPA and Reg. 347.

18.3 The Owner shall ensure that:

- (a) Residual Waste shall only be disposed of at a site for which an Approval has been issued by the Ministry or an appropriate government agency of equivalent jurisdiction; and
- (b) Any contaminated soil received at the site must be disposed of only at the Ministry approved waste disposal sites/facilities.

18.4 Under no circumstances shall burning or incineration of any material be allowed at this Site.

19.0 Signage and Security

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

- (a) the name of the Site and Owner;
- (b) the number of this Approval;
- (c) 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
- (d) the type of waste that is approved for receipt at the Site.

19.2 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.

20.0 Nuisance Control

20.1 The Owner shall operate and maintain the Site such that the vermin, vectors, dust, litter, odour, noise and traffic do not create a nuisance.

20.2 Within three (3) months of issuance of this Approval, the Owner shall develop and submit to the District Manager an odour control plan for the Site which shall detail all practical steps that the Owner shall implement in case odour becomes a nuisance.

20.3 Within three (3) months of issuance of this Approval, the Owner shall develop and submit to the District Manager a pest control plan for the Site. The pest control plan shall be prepared by a qualified licensed pest control professional and shall be implemented if at any time vector or vermin become a nuisance. This plan shall then remain in place until the Site has been closed and this Approval has been revoked.

20.4 (a) Within three (3) months of issuance of this Approval, the Owner shall develop and submit to the District Manager a litter control plan for the Site, which shall detail all practical steps that the Owner shall implement to control litter; and

(b) Litter from the Site shall be picked up on a daily basis.

20.5 The Owner shall ensure that there is no queuing or parking of trucks that are waiting to enter this Site on any roadway that is not a distinct part of this Site.

21.0 Site Inspections and Maintenance

21.1 The Owner shall ensure that, at the start of each operating day, Trained Personnel performs a visual inspection of the Site to ensure security and cleanliness.

21.2 The Owner shall ensure that the Facility is properly operated and maintained at all times. The Owner shall:

- (a) prepare, not later than three (3) months after the date of this Approval, and update, before commencement of operation of the System, as necessary, a Manual outlining the operating procedures and a maintenance program for the Facility, including:
 - (i) routine operating and maintenance procedures in accordance with good engineering practices;
 - (ii) emergency procedures;
 - (iii) procedures for any record keeping activities relating to operation and maintenance of the Facility;
 - (iv) all appropriate measures to minimize noise and odorous emissions from all potential sources; and,
 - (v) the frequency of inspection and replacement of the filter material and the activated carbon media in the System;
- (b) retain a Qualified Person to prepare and submit to the District Manager and Director, before commencement of operation of the System, and update, as necessary or as directed by the District Manager, a ventilation assessment of the Facility. The assessment should demonstrate that door-face velocities between 90 and 160 feet per minute (fpm) can be maintained during operation of the System, and outline the physical and procedural controls, such as equipment, policies, and standard operating procedures required to maintain and monitor these velocities; and,
- (c) implement the recommendations of the Manual, and the ventilation assessment.

21.3 The Owner shall have in place a preventative maintenance program for all on-site equipment associated with the processing and managing of waste. The preventative maintenance program shall be available on Site for inspection by a Provincial Officer upon request.

22.0 Complaints Procedure

22.1 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:

- (a) The Owner shall record and number each complaint, either electronically or in a log book, and shall include the following information:
 - (i) the time, date and the nature of the incident to which the complaint relates;
 - (ii) the name, address and the telephone number of the complainant if the complainant will provide this information;
 - (iii) wind direction at the time of the incident to which the complaint relates;
 - (iv) description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

- (b) 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 the District Manager within five (5) business days of the complaint; and
- (c) The Owner shall complete and submit to the District Manager a report written 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.

23.0 Emergency Response, Spill Reporting and Contingency Planning

- 23.1 The Owner shall have in place an emergency response plan for the Site. The plan shall be kept at the Site in a prominent location available to all staff at all times; and shall include, but is not limited to:
 - (a) emergency response procedures to be undertaken in the event of a fire, spill or medical emergency;
 - (b) a list of equipment available for emergency response; and
 - (c) a notification protocol with names and telephone numbers of persons to be contacted, including Owner's personnel, the Ministry Spills Action Centre and District Office, the City of Mississauga and the Mississauga Fire Department.
- 23.2 The Owner shall ensure that:
 - (a) the equipment and materials outlined in the emergency response plan are in a good state of repair, fully operational and immediately available; and
 - (b) all operating personnel are fully trained in the equipment and materials' use and in the procedures to be employed in the event of an emergency.
- 23.3 (a) The Owner shall review the emergency response plan on an annual basis as a minimum, and shall ensure that the names and telephone numbers of the persons to be contacted as required under this Approval are up-to-date, and that these numbers are prominently displayed and immediately available to all staff and emergency response personnel; and
 - (b) The Owner shall submit to the District Manager and the local fire department within thirty (30) days of any amendments made to the emergency response plan.
- 23.4 The Owner shall promptly take all necessary steps to contain and clean up any spills or upsets which result from this operation. All spills and upsets shall be recorded in a written log or an electronic file format, as to the nature of the spill or upset, and action taken for clean-up, correction and prevention of future occurrences.

- 23.5 All spills, as defined in the Act, shall be immediately reported to the Ministry's Spill Action Centre at 1-800-268-6060 and the Region of Peel's 24-hour Spill Response Line at 905-791-7800.
- 23.6 The Owner shall have in place a contingency plan which specifies, as a minimum, the procedures to be followed in the event of equipment malfunction, a labour disruption, transportation disruption, inability of receiving sites to accept waste or other business disruption to the operation.

24.0 Training

- 24.1 The Owner shall develop and implement a training plan for all employees that operate any aspect of the Site. Only Trained Personnel shall operate any aspect of the Site or carry out any activity required under this Approval.
- 24.2 (a) At a minimum, the Owner shall ensure that all operators of the Site shall be trained with respect to the following:
- (i) terms, conditions and operating requirements of this Approval;
 - (ii) operation and management of the Site, or area(s) within the Site, in accordance with the specific job requirements of each individual operator, and which may include procedures for receiving, screening, refusal, handling and temporarily storing wastes;
 - (iii) an outline of the responsibilities of Site personnel including roles and responsibilities during emergencies and spills;
 - (iv) the emergency response plan including exit locations and evacuation routing, and location of relevant equipment available for emergencies and spills;
 - (vi) environmental, and occupational health and safety concerns pertaining to the wastes to be transferred;
 - (vii) emergency first-aid information;
 - (viii) relevant waste management legislation and regulations, including the EPA and Reg. 347;
 - (ix) recording procedures as required under Condition 22.1;
 - (x) equipment and Site inspection procedures, as required under Condition 18.0;
 - (xi) nuisance impact control procedures, as required under Conditions 16.0 and 17.0; and
 - (xii) procedures for recording and responding to public complaints.
- (b) The Owner shall maintain a written record of training at the Site which includes:
- (i) date of training;
 - (ii) name and signature of person who has been trained; and
 - (iii) description of the training provided.

25.0 Record Keeping

25.1 The Owner shall maintain at the Site, in written or electronic format, daily records, which shall be available upon request, for inspection by a Provincial Officer, and which shall include the following information:

- (a) date of record;
- (b) quantity and source of ICI and Domestic Waste received;
- (c) quantity of ICI and Domestic Waste stored at the Site ;
- (d) quantities and destination of Processed Waste and Residual Waste shipped from the Site;
- (e) a record of any spills or process upsets at the site, the nature of the spill or process upset and the action taken for the clean up or correction of the spill, the time and date of the spill or process upset, and for spills, the time that the Ministry and other persons were notified of the spill in fulfilment of the reporting requirements in the EPA ;
- (f) details of any refusals of waste shipments and reasons for refusal;
- (g) a record of training required by this Approval;
- (h) a record of daily inspections required by this Approval;
- (i) the signature of the Trained Personnel conducting the inspection and completing the report;
- (j) all records on the maintenance, repair and inspection of the System;
- (k) all records of any environmental complaints, including:
 - a description, time and date of each incident to which the complaint relates;
 - wind direction at the time of the incident to which the complaint relates; and,
 - a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

26.0 Annual Report

26.1 By March 31, 2018 and on an annual basis thereafter, the Owner shall prepare and submit to the District Manager, a written report covering the previous calendar year. The report shall be retained at the Owner's central location and shall include, at a minimum, the following information:

- (a) a detailed monthly summary of the type and quantity of all incoming and outgoing wastes and the destination of all outgoing wastes;
- (b) a summary of waste loads refused including the generator of the load, date of refusal and reason for refusal of the load;
- (c) any environmental and operational problems, that could negatively impact the environment, encountered during the operation of the Site and during the Facility inspections and any mitigative actions taken;

- (d) a summary of complaints received and the actions taken to mitigate the issue associated with the complaint;
- (e) any changes to the emergency response plan, the Design and Operations Report and/or the closure plan that have been approved by the Director since the last annual report;
- (f) any recommendations to minimize environmental impacts from the operation of the Site and to improve Site operations and monitoring programs in this regard.

27.0 Closure Plan

- 27.1
- (a) The Owner shall submit, for approval by the Director, a written closure plan six (6) months prior to the permanent closure of the Site. This plan must include, as a minimum, a description of the work that will be done to facilitate closure of the Site and a schedule for completion of that work; and
 - (b) Within ten (10) days after closure of the Site, the Owner must notify the Director, in writing, that the Site is closed and that the Site closure plan has been implemented.

SCHEDULE "A"

This Schedule "A" forms part of this Environmental Compliance Approval.

1. Memorandum to Geoff Carpentier, Ministry of Environment & Energy (MOEE) from Sharon Hogan, MOEE requesting that the Regional Approvals Unit revise the Certificate of Approval to reflect the change in ownership and update the Certificate of Approval to current conditions, and dated January 8, 1996.
2. Letter to Geoff Carpentier, Ministry of Environment & Energy (MOEE) from James Norstrom, Central Region Engineering Manager, Sanifill Inc., enclosing an Operations Manual, and dated January 24, 1996.
3. Letter dated March 23, 2004 signed by Kevin Bechard, Waste Management of Canada Corporation to I. Parrott, MOE. re: request to receive residential waste.
4. Application for an Environmental Compliance Approval for a Waste Disposal Site dated July 15, 2013 and signed by Joy Grahek, V.P. Legal, GFL Environmental Inc. This includes the Design and Operations Report, Appendices and all other attachments.
5. Addendum to July 2013 Design and Operations Report dated May 6, 2014, including engineered odour control system for Mavis Road transfer facility, updated site plan and drawings with proposed engineered controls, prepared by Dillon Consulting Limited.
6. Additional Information dated October 31, 2014, submitted by Dillon Consulting Limited and sent via e-mail by Jennifer Ahluwalia, P. Eng.
7. E-mail dated November 4, 2014 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including Certificate of Occupancy and other additional information.
8. Additional Information dated November 11, 2015, submitted by Dillon Consulting Limited and sent via e-mail by Amir A. Irvani, Ph.D.
9. Additional Information dated November 12, 2015, submitted by Dillon Consulting Limited and sent via e-mail by Amir A. Irvani, Ph.D.
10. Additional Information dated November 17, 2015, submitted by Dillon Consulting Limited and sent via e-mail by Ravi Mahabir, P. Eng.
12. Additional Information dated November 27, 2015, submitted by Dillon Consulting Limited and sent via e-mail by Ravi Mahabir, P. Eng.
13. Additional Information dated November 30, 2015, submitted by Dillon Consulting Limited and sent via e-mail by Ravi Mahabir, P. Eng.

14. E-mail dated February 8, 2016 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including FA estimate and supporting documentation.
15. E-mail dated March 26, 2016 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including Summary of GFL Actions re: City of Mississauga letter dated November 25, 2014 and Consultation Summary Report.
16. E-mail dated August 16, 2016 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including detailed site activities.
17. E-mails dated September 26, 2016 and October 4, 2016 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including waste storage calculations and building floor plan.
18. E-mail dated November 1, 2016 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including revised waste storage calculations and updated building floor plan.
17. E-mail dated January 12, 2017 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including updated building floor plan.
19. E-mail dated February 8, 2017 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including additional waste storage and fire protection information.
20. E-mail dated July 19, 2017 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC including proposed operating scenarios for the Facility.
21. E-mail dated July 21, 2017 from Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited to Malgosia Ciesla, MOECC accepting revisions to Scenario 2 as included in the email from Malgosia Ciesla, MOECC to Jennifer Ahluwalia, P. Eng., Dillon Consulting Limited, dated July 21, 2017.

SCHEDULE "B"

Source Testing Procedures

1. The Owner shall, not later than one (1) month after the commencement of operation of the System, submit to the District Manager a list of sources to be tested. The Owner shall finalize the list in consultation with the District Manager.
2. The Owner shall, not later than two (2) months after the District Manager has accepted the list of sources to be tested, submit to the Manager a test protocol including the Pre-Test Information for the Source Testing required by the Source Testing Code. The Owner shall finalize the test protocol in consultation with the Manager.
3. The Owner shall not commence Source Testing required under this Approval until the Manager has accepted the test protocol.
4. The Owner shall complete the Source Testing, not later than three (3) months after the Manager has accepted the test protocol.
5. The Owner shall notify the District Manager and the Manager in writing of the location, date and time of any impending Source Testing required by this Approval, at least fifteen (15) days prior to the Source Testing.
6. The Owner shall submit a report on the Source Testing to the District Manager and the Manager not later than two (2) month after completing the Source Testing. The report shall be in the format described in the Source Testing Code, and shall also include, but not be limited to:
 - (a) an executive summary;
 - (b) the dates and times when the Source Testing was carried out;
 - (c) records of operating conditions;
 - (d) all results of the Source Testing; and
 - (e) the results of dispersion calculations indicating the maximum 10-minute average concentrations of Odour, from the System at the Point of Impingement and at the most impacted Sensitive Receptor in accordance with the procedure outlined in Schedule "C" of this Approval; and if applicable, the frequency of exceedance of 1 odour unit at the most impacted Sensitive Receptor.
7. The Director may not accept the results of the Source Testing if:
 - (a) the Source Testing Code or the requirements of the Manager were not followed;
 - (b) the Owner did not notify the District Manager and the Manager of the Source Testing; or
 - (c) the Owner failed to provide a complete report on the Source Testing.
8. If the Director does not accept the results of the Source Testing, the Director may require re-testing.

SCHEDULE "C"

Procedures to calculate and record the 10-minute average concentration of odour at the Point of Impingement and at the most impacted Sensitive Receptor

- (a) Calculate and record one-hour average concentrations of odour at the Point of Impingement and the most impacted Sensitive Receptor, employing the AERMOD atmospheric dispersion model or with another atmospheric dispersion model acceptable to the *Director* that employs at least five (5) years of hourly local meteorological data that can provide results reported as individual one-hour average odour concentrations.
- (b) Convert and record each of the one-hour average concentrations predicted over the five (5) years of hourly local meteorological data at the Point of Impingement and at the most impacted Sensitive Receptor to 10-minute average concentrations using the One-Hour Average to 10-Minute Average Conversion described below.
- (c) Record and present the 10-Minute Average concentrations predicted to occur over a five (5) year period at the Point of Impingement and at the most impacted Sensitive Receptor in a histogram. The histogram shall identify all predicted 10-minute average odour concentration occurrences in terms of frequency, identifying the number of occurrences over the entire range of predicted odour concentration in increments of not more than 1/10 of one odour unit. The maximum 10-minute average concentration of odour at the Sensitive Receptor will be considered to be the maximum odour concentration at the most impacted Sensitive Receptor that occurs and is represented in the histogram, disregarding outlying data points on the histogram as agreed to by the Director.

ONE-HOUR AVERAGE TO 10-MINUTE AVERAGE CONVERSION

Use the following formula to convert and record one-hour average concentrations predicted by the AERMOD atmospheric dispersion model to 10-minute average concentrations:

$$X_{10\text{min}} = X_{60\text{min}} * 1.65$$

where $X_{10\text{min}}$ = 10-minute average concentration

$X_{60\text{min}}$ = one-hour average concentration

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

1. The reasons for Conditions 1.1, 1.2 and 1.3 are to ensure that the Site is designed, operated, monitored and maintained 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.
2. The reason for Conditions 2.1, 2.2, 4.1, 4.2, 5.1 and 5.2 is to clarify the legal rights and responsibilities of the Owner under this Approval.
3. The reason for Conditions 3.1, 3.2, 3.3 and 3.4 is to clarify how to interpret this Approval in relation to the application and supporting documentation submitted by the Owner.
4. The reason for Condition 6.1 is 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.
5. The reason for Condition 6.2 is to restrict potential transfer or encumbrance of the Site without the approval of the Director to ensure that any transfer of encumbrance can be made only on the basis that it will not endanger compliance with this Approval.
6. The reason for Condition 6.3 is to ensure that subsequent owners of the Site are informed of the terms and conditions of this Approval. This also applies to all supporting documentation listed in Schedule "A".
7. The reason for Condition 7.1 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 Act and OWRA.
8. The reason for Conditions 8.1, 8.2, 8.3 and 8.4 is to ensure the availability of records and drawings for inspection and information purposes.
9. The reason for Conditions 9.1, 9.2, 9.3 and 9.4 is to ensure that sufficient funds are available to the Ministry to close the Site in the event that the Owner is unable or unwilling to do so. Failure to include requirements for financial assurance would not be in the public interest and may result in a hazard or nuisance to the natural environment or any person.
10. The reason for Condition 10.1 is to ensure that the Facility is built and operated in the manner in which it was described for review and upon which approval was granted.

11. The reason for Conditions 11.1, 11.2 and 11.3 is to ensure that the Owner provides notification to the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.
12. The reason for Conditions 12.1 and 12.2 is to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.
13. The reason for Condition 13.1 is to require the Owner to gather accurate information to assist the Ministry with the review of the Facility's performance.
14. The reason for Conditions 14.1 and 15.1 is to specify the service area and the hours of operation based on the Owner's application and supporting documentation.
15. The reason for Conditions 16.1, 16.2, 16.3, 16.4, 16.5, 17.1 and 17.3 is to ensure that the types and quantities of waste received at the Site are in accordance with those approved under this Approval.
16. The reason for Condition 17.2 is to ensure that the System is operating to prevent an adverse effect resulting from the operation of the Facility.
17. The reason for Conditions 18.1, 18.2, 18.3, and 18.4 is to ensure that waste storage is done in a manner and duration which does not result in a nuisance or a hazard to the health and safety of the environment or people.
18. The reason for Condition 19.1 is to ensure that the public have the necessary contact information in the event of an emergency or complaint.
19. The reason for Condition 19.2 is to minimize the risk of unauthorized entry to the Site to prevent vandalism or theft.
20. The reason for Conditions 20.1, 20.2, 20.3, 20.4, and 20.5 is to ensure that the Site is operated in a manner which does not result in a hazard or nuisance to the natural environment or any person.
21. The reason for Conditions 21.1 21.2 and 21.3 is to ensure that all equipment, System and Facility is maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.
22. The reason for Condition 22.1 is to ensure that complaints are properly and quickly resolved and that complaints and follow-up actions have been documented.
23. The reason for Conditions 23.1, 23.2, 23.3, 23.4, 23.5 and 23.6 is to ensure that the Owner is prepared and properly equipped to take action in the event of a spill, fire or other operation upset.

24. The reason for Conditions 24.1 and 24.2 is to ensure that the Owner's staff is properly trained in the operation of the equipment used at the Site and emergency response procedures. This will minimize the possibility of spills occurring and will enable staff to deal promptly and effectively with any spills or upsets that do occur.
25. The reason for Conditions 25.1 is to ensure that accurate waste records are maintained to ensure compliance with the conditions in this Approval, the EPA and its regulations.
26. The reason for Conditions 26.1 is 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.
27. The reason for Condition 27.1 is to ensure that the Site is closed in accordance with MECP standards and to protect the health and safety of the environment.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). A210237 issued on September 29, 2017

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review 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 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:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

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 Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.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 29th day of May, 2020



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

CF/

c: District Manager, MECP Halton-Peel
Clayton Gionet, Dillon Consulting Limited