Ontario

Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2122-DVYK9F
Issue Date: October 21, 2026

The Cataraqui Cemetery Company
927 Purdy's Mill Rd
Kingston, Ontario
K7M 3N1

Site Location: 927 Purdy's Mill Road
Kingston City, County of Frontenac
K7M 3N1

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:

- One (1) natural gas fired thermal incinerator (Thermogenic CU150), processing up to 45.4 kilograms per hour of human remains per hour, equipped with a main burner in the primary chamber having a maximum heat input of 633,034 kilojoules per hour, and a secondary burner having a maximum heat input of 2,321,123 kilojoules per hour, discharging into the air through stack ID STCK, having an exit diameter of 0.508 metre, extending 3.14 metres above the roof and 8.34 metres above grade;

- one (1) cremains processor, equipped with a particulate filter;

all in accordance with the Application for Approval (Air & Noise) dated May 04, 2026, and signed by Craig Boals, and all supporting information associated with the application, including the ESDM Report prepared by WSP Canada Inc., dated May 04, 2026, and signed by Kelly Rees; additional information provided by Kelly Rees of WSP Canada Inc., dated October 14, 2026; and the Acoustic Assessment Report prepared by WSP Canada Inc., dated April 2026 and signed by Nghi Nguyen.

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

1. "Approval" means this entire Environmental Compliance Approval, including the application and all supporting documentation listed above;

2. “Availability” means the number of Valid Hours divided by the hours the Equipment is in operation;

3. "Company" means The Cataraqui Cemetery Company operating as Cataraqui Cemetery and Funeral Services that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;

4. “Continuous Monitoring Plan” means a document that describes how the Continuous Monitoring System is designed, installed, certified, operated and maintained;

5. “Continuous Temperature Monitor” means the continuous temperature monitor and associated data recorders;

6. "Continuous Monitoring System" means the continuous monitoring system consisting of continuous monitors and recording devices;

7. “Director” means a person appointed for the purpose of section 20.3 of the EPA by the Minister pursuant to section 5 of the EPA;

8. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;

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

10. "Equipment" means the one cremation unit, described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;

11. "ESDM Report" means the Emission Summary and Dispersion Modelling Report which was prepared in accordance with section 26 of O. Reg. 419/05 and the Procedure Document by Kelly Rees of WSP Canada Inc. and dated May 04, 2026, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this Approval;

12. "Facility" means the entire operation located on the property where the Equipment is located;

13. “FS” means Full Scale, the upper value of a configured measurement range;

14. "Manager" means the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, or any other person who represents and carries out the duties of the Manager, Technology Standards Section, Technical Assessment and Standards Development Branch, as those duties relate to the conditions of this Approval;

15. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

16. "Minister" means the Minister of the Environment, Conservation and Parks or such other member of the Executive Council as may be assigned the administration of the EPA under the Executive Council Act;

17. "Ministry" means the ministry of the Minister;

18. "O. Reg. 419/05" means Ontario Regulation 419/05: Air Pollution – Local Air Quality, made under the EPA;

19. "Performance Requirements" means the performance requirements and emission limits specified in the sections of this Approval titled "Operating Parameters", "Emission Concentration Limits", and "Noise";

20. "Point of Impingement" has the same meaning as in section 2 of O. Reg. 419/05;

21. "Procedure Document" means Ministry guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2018, as amended;

22. "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;

23. “Report EC32102” means the document titled “Protocols and performance specifications for continuous monitoring of gaseous emissions from thermal power generation and other sources” published by Environment and Climate Change Canada in 2023;

24. "Report EPS 1/PG/7" means the document titled "Protocols and Performance Specifications for Continuous Monitoring of Gaseous Emissions from Thermal Power Generation - Report EPS 1/PG/7" published by Environment Canada in December 2005, as amended;

25. "Schedules" means the following schedules attached to this Approval and forming part of this Approval namely:

    - Schedule 1- Continuous Temperature Monitors; and
    - Schedule 2 - Continuous Oxygen and Carbon Monoxide Monitoring System.

26. “Valid Hour” means an hour during which the Equipment operated and the associated Continuous Monitoring System or Continuous Temperature Monitor produced a minimum of 45 minutes of data of known and documented quality that satisfies, at a minimum, the requirements set out in this Approval.

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. OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

    a. prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

        i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

        ii. emergency procedures;

        iii. procedures to control all discharges from the Equipment in the event of loss or failure of power source to the Equipment;

        iv. procedures for any record keeping activities relating to operation and maintenance of the Equipment;

        v. procedures for operator training which is to be provided by an individual v. experienced with the Equipment;

        vi. procedures for optimizing the operation of the Equipment to minimize the emissions from the Equipment; and

        vii. procedures for recording and responding to complaints regarding the operation of the Equipment;

    b. implement the Operation Procedure;

    c. implement the recommendations of the Manual.

2. The company shall make all reasonable efforts to ensure that all metallic handles are removed from the caskets before they are loaded into the Equipment.

3. The company shall install and maintain visual and audible alarm systems to alert the Equipment operators of any potential deviation from the above Performance Requirements for parameters that are continuously monitored by the applicable Continuous Monitoring System and shall forthwith take all reasonable actions to bring the Equipment into compliance with all Performance Requirements.

2. OPERATING PARAMETERS

1. The Company shall ensure that the Equipment is designed and operated to comply, when the Equipment is operating, with the following performance requirements:

    a. the temperature in the secondary combustion chamber, as recorded by the Continuous Monitoring System, shall be at least 1,000 degrees Celsius before the primary combustion chamber is loaded and thereafter throughout each cremation; and

    b. the residence time of the combustion gases in the secondary combustion chamber shall be at a minimum one second at a temperature of at least 1,000 degrees Celsius.

3. EMISSION CONCENTRATION LIMITS

1. The Company shall ensure that the Equipment is designed and operated to comply, when the Equipment is operating, with the following performance requirements:

    a. the concentration of oxygen in the undiluted flue gas leaving the secondary chamber, as recorded by the Continuous Monitoring System, shall not be less than 6 percent by volume on a dry basis, calculated as a 10-minute average;

    b. the half-hour average concentration of carbon monoxide in the undiluted flue gases leaving the secondary combustion chamber, as recorded by the Continuous Monitoring System, shall not exceed 100 parts per million by volume, on a dry basis normalized to 11 percent oxygen; and

    c. the concentration of organic matter having a carbon content, expressed as equivalent methane (Total Hydrocarbon Compounds), being an average of ten measurements taken at approximately one minute intervals, shall not be greater than 100 parts per million by volume, measured on an undiluted basis.

4. TEMPERATURE MONITORING

1. The Company shall, prior to the commencement of operation of the Equipment, install, conduct and maintain a program to continuously monitor the temperature in the secondary combustion chamber of the Equipment.

2. The Continuous Temperature Monitor shall be equipped with continuous recording devices and shall comply with the requirements outlined in the attached Schedule 1.

5. CONTINUOUS MONITORING

1. The Company shall, prior to the commencement of operation of the Equipment, install and subsequently conduct and maintain a program to continuously monitor the concentration of carbon monoxide and the concentration of oxygen in the undiluted gases leaving the secondary combustion chamber of the Equipment.

2. The Continuous Monitoring System shall be equipped with continuous recording devices and shall comply with the requirements outlined in the attached Schedule 2.

6. COMPLAINTS RESPONSE PROCEDURE

1. If, at any time, the Company receives an environmental complaint from the public regarding the operation of the Equipment approved by this Approval, the Company shall take the following steps:

    a. Record and number each complaint, either electronically or in a log book. The record shall include the following information: the time and date of the complaint and incident to which the complaint relates, the nature of the complaint, wind direction at the time and date of the incident to which the complaint relates and, if known, the address of the complainant.

    b. Notify the District Manager of the complaint within two (2) business days after the complaint is received, or in a manner acceptable to the District Manager.

    c. Initiate appropriate steps to determine all possible causes of the complaint and take the necessary actions to appropriately deal with the cause of the subject matter of the complaint.

    d. Complete and retain on-site a report written within five (5) business days of the complaint date. The report shall list the actions taken to appropriately deal with the cause of the complaint and set out steps to be taken to avoid the recurrence of similar incidents.

7. REPORTING

1. The Company shall prepare, annually, a report to summarize performance of the Equipment and Continuous Monitoring System. Each report shall include:

    a. all excursions from the Operating Parameters required in Condition 2 and Emission Concentration Limits required in Condition 3 as measured by the Continuous Monitoring System, duration of the excursions, reasons for the excursions and corrective actions taken to eliminate the excursions;

b. each occurrence where the Continuous Monitoring System was not fully operational, including the duration of the incident and corrective actions taken;

c. maintenance, repair and inspection of the Equipment and the Continuous Monitoring System;

d. description of any upset conditions associated with the operation of the Equipment and remedial action taken; and

e. a summary of the results of all calibration and performance testing completed for the Continuous Monitoring System including the annual availability of the system.

f. all records produced by the Continuous Monitoring System;

g. a copy of the Continuous Monitoring Plan.

8. RECORD RETENTION

1. The Company shall maintain and retain for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the operation of the Equipment, and monitoring and recording activities required by this Approval. These records shall be made available to staff of the Ministry upon request in a timely manner. The Company shall retain:

   a. number of daily cremations;

   b. all records produced by the Continuos Temperature Monitor required by Condition 7;

   c. all records produced by the Continuous Monitoring System;

   d. copies of each report prepared under Condition 7;

   e. records of each load processed by the Equipment including:

      i. a description of the material of construction of the casket;

      ii. type of finish on the casket;

      iii. description of any hardware not removed from the casket;

      iv. estimated weight of the body and casket; and

      v. start and finish time of the cremation;

   f. all original records produced by the recording devices associated with the Continuous Monitoring System;

g. all records on maintenance, repair and inspection of the Equipment and the Continuous Monitoring System;

h. description of any upset conditions associated with the operation of the Equipment and remedial action taken;

i. all records on operator training, including:

i. date of training;

ii. name and signature of person who has been trained; and

iii. description of the training provided; and

j. all records related to environmental complaints made by the public as required by Condition 6 of this Approval.

9. NOISE

1. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300.

10. CHANGE OF OWNERSHIP

1. The Company 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 of the following changes to Facility operations:
   a. the ownership of the Facility;
   b. the operator of the Facility;
   c. the address of the Company;
   d. the partners, where the Company is or 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; or
   e. the name of the corporation where the Company 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.
2. In the event of any change in ownership of the Facility, the Company shall notify the successor of the existence of this Approval and provide the successor with a copy of this Approval, and the Company shall provide a copy of the notification to the District Manager and the Director.

SCHEDULE 1

Continuous Temperature Monitor

PARAMETER:
Temperature

LOCATION:
The sample points of the Continuous Temperature Monitor shall be at a location where the measurements are representative of the minimum temperature of the gases leaving the secondary combustion chamber of the Equipment.

PERFORMANCE:
The Continuous Temperature Monitor shall meet the following minimum performance specifications for the following parameters:

PARAMETER	SPECIFICATION
Type	shielded "K" type thermocouple, or equivalent
Accuracy	± 1.5 percent of the minimum gas temperature

DATA RECORDER:
The data recorder must be capable of registering continuously the measurement of the monitor without a significant loss of accuracy and with a time resolution of 1 minute or better.

AVAILABILITY:
The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 95 percent of the time for each calendar quarter.

SCHEDULE 2

Continuous Oxygen and Carbon Monoxide Monitoring System

TARGET PARAMETERS:
Oxygen and Carbon Monoxide

INSTALLATION:
The sample probe shall be installed at an accessible location where the measurements are representative of the actual concentration of the target parameter in the undiluted gases leaving the secondary combustion chamber of the Equipment and shall meet the following installation specifications:

PARAMETER	OXYGEN SPECIFICATION	CARBON MONOXIDE SPECIFICATION
Operating Range	0 to 21 percent	encompass all expected stack gas levels
Calibration Gas Ports	close to the sample point, and no further down than the sampling probe exit	close to the sample point, and no further down than the sampling probe exit

PERFORMANCE:
The Continuous Monitoring System shall meet the following minimum performance specifications for the following parameters

PARAMETER	OXYGEN SPECIFICATION	CARBON MONOXIDE SPECIFICATION
24-hr calibration drift (0-20% FS)	less than or equal to 0.5 percent O_2	less than or equal to plus/minus 2.5 percent of FS difference or less than or equal to plus/minus 2.5 ppm absolute difference
24-hr calibration drift (80-100% FS)	less than or equal to 0.5 percent O_2	less than or equal to plus/minus 5.0 percent of FS difference or less than or equal to plus/minus 2.5 ppm absolute difference
Linearity ● 0-20% FS ● 40-60% FS ● 80-100% FS	less than or equal to plus/minus 0.5 percent of O2 absolute average difference	less than or equal to plus/minus 2.5 percent of FS absolute average difference or less than or equal to plus/minus 5 ppm absolute average difference
System Response	less than or equal to 200 seconds for 90% change	less than or equal to 200 seconds for 90 percent change
Relative Accuracy	less than or equal to 10.0 percent Relative Accuracy (RA) or less than or equal to plus/minus 1.0 percent O2 absolute average difference	less than or equal to 10.0 percent Relative Accuracy (RA) or less than or equal to 8.0 ppm absolute average difference
Bias	less than or equal to plus/minus 5.0 percent of FS or less than or equal to plus/minus 0.5 percent absolute difference	less than or equal to plus/minus 5.0 percent of FS or less than or equal to plus/minus 5 ppm absolute difference

PERFORMANCE EVALUATIONS:

The system response shall be confirmed following the procedure in section 5.3.4 of Report EC32102, not later than three (3) months after commencement of operation of the Equipment.

The 24-hr calibration drift (0-20% FS) and 24-hr calibration drift (80-100% FS) shall be confirmed following the procedures in sections 6.2.1.1 through 6.2.1.4 of Report EC32102.

The linearity shall be confirmed by performing a cylinder gas audit during each calendar quarter, unless it is a quarter in which a relative accuracy test audit (RATA) is completed. The cylinder gas audit shall be completed using protocol gases at low, mid and high levels, as indicated in the table above, following the procedures in sections 6.3.1.1 through 6.3.1.4 of Report EC32102.

A RATA including relative accuracy and bias testing shall be completed within 12 months of commencement of operation and every four (4) years thereafter. The RATA shall be completed in accordance with the requirements of sections 5.3.5 and 5.3.6 of Report EC32102. To pass, and for data to be considered valid [KS1.1], the RATA must demonstrate compliance with the relative accuracy and bias specifications outlined above.

If the RATA does not pass, the Company shall investigate the cause of the failure, take corrective action, and repeat the RATA within 30 days of the failed RATA or by a date approved by the Manager.

The Company shall notify the Manager in writing of the location, date and time of each RATA, at least fifteen (15) days prior to the RATA or with less notice approved by the Manager. The Company shall submit a report (electronic format) on the RATA to the Manager not later than three (3) months after completing the RATA.

DATA ACQUISITION SYSTEM:

The data acquisition system must be capable of accepting and retaining 1-minute base averages of the output of the applicable Continuous Monitoring System components and required operating parameters (calibrations, etc.).

AVAILABILITY:

The Availability of the Continuous Monitoring System must be at least 90 percent for each calendar year.

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

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.

2. Conditions No. 2, 3 and 9 are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility/Equipment.

3. Conditions No. 4 and 5 are included to require the Company to gather accurate information so that the environmental impact and subsequent compliance with the EPA, the regulations and this Approval can be verified.

4. Condition No. 6 is included to included to require the Company to respond to any environmental complaints regarding the operation of the Equipment, according to a procedure that includes methods for preventing recurrence of similar incidents.

5. Conditions No. 7 and 8 are included to require the Company to keep records and provide information to the Ministry so that the environmental impact and subsequent compliance with the EPA, the regulations and this Approval can be verified.notify/report to the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.

6. Condition No. 10 is included to require the Company to notify to the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 9140-8Y4PM9, 8-4010-80-006 issued on May 3, 2013, February 25, 1980

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
40 St. Clair Avenue West, 2nd Floor
Toronto, Ontario
M4V 1M2

*** 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**

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 21st day of October, 2026

Nancy Orpana

Nancy E Orpana, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

TC/
c: District Manager, MECP Kingston - District
Rees Kelly, WSP Canada Inc.