

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER A-500-3273521678

Version: 1.0

Issue Date: August 31, 2026

Pursuant to section 20.3 of the *Environmental Protection Act*, Revised Statutes of Ontario (R.S.O.) 1990, c. E. 19 and subject to all other applicable Acts or regulations this Environmental Compliance Approval is issued to:

ONTARIO POWER GENERATION INC.

1908 COLONEL SAM
OSHAWA ONTARIO
L1H 8W8

For the following site:

Lennox Generating Station
7263 Highway 33
Greater Napanee, ON K0H 1G0

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s) 3847-4HRV3G, issued on March 15, 2023.

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:

- burning of fuel oils in four (4) identical power boilers manufactured by Combustion Engineering Ltd. and having a maximum heat input of 5,074 gigajoules per hour per boiler, all exhausting into the atmosphere through two identical stacks (two boilers per stack), each having an exit diameter of 7.3 metres and extending 198.2 metres above grade;
- increase in the maximum oil firing rate to 140 kilolitres per hour per above noted power boiler to correspond to a maximum overload generation in each of the boilers;
- installation of eight (8) induced draft fan silencers as detailed in Drawings A-17-D-2051-01 and A-17-D-2051-02 prepared by Higgott-Kane Industrial Noise Controls LTD, dated November 1991;
- conversion of the above noted four power boilers to fire both fuel oil and natural gas,

including:

- addition of thirty-two (32) natural gas fired burners per power boiler, having a heat input of 5,413 million kilojoules per hour per boiler and exhausting into the atmosphere through the two common stacks as noted above;
- modification to existing oil fired system including replacement of flame scanners and installation of gas piping, flow control valves, double block and bleed valves and emergency trip valves;
- addition of one (1) exhaust system for each power boiler (total of four) for gasline purging and maintenance of gas burners, valves and piping, each exhausting into the atmosphere at a volumetric flow rate of 0.04 cubic metre per second through a stack, having an exit diameter of 0.3 metre and extending 35.5 metres above grade;
- addition of two (2) exhaust systems (one per two power boilers) for gas line purging and maintenance of gas valves and piping, each exhausting into the atmosphere at a volumetric flow rate of 0.1 cubic metre per second through a stack, having an exit diameter of 0.15 metre and extending 23.6 metres above grade;
- conversion of two (2) fuel oil fired auxiliary boilers, previously approved under Certificate of Approval (Air) No. 8-4024-98-006 dated April 24, 1998, to fire natural gas only, including:
 - replacement of all fuel oil fired burners with natural gas fired burners, having a maximum heat input of 105,400 megajoules per hour per boiler, all exhausting into the atmosphere through a common stack, having an exit diameter of 1.37 metres and extending 64.8 metres above grade; and
 - addition of one (1) vent stack per boiler to discharge natural gas into the atmosphere when a natural gas fired burner is shut down, having an exit diameter of 0.076 metre and extending 20.9 metres above grade;
- one (1) exhaust fan room serving the Lime Room exhausting into the atmosphere at a volumetric flow rate of 0.25 cubic metre per second, through a stack having an exit diameter of 0.15 metre, extending 10.0 metres above grade;

all in accordance with the Application for Approval (Air) signed by Ontario Power Generation Inc., dated March 4, 2024, and signed by Cameron Pritchett; the supporting information, including the Emission Summary and Dispersion Modelling Report, submitted by Ontario Power Generation Inc., dated March 4, 2024, and signed by Jacob Barbara; the Acoustic Assessment Report, submitted by Ontario Power Generation Inc., dated April 11, 2025, and signed by Cheng Wu Li, P.Eng.; an E-mail submitted by Ontario Power Generation Inc., dated March 20, 2026, and signed by Cameron Pritchett.

DEFINITIONS

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

1. "Ambient Monitoring Plan" means a document or set of documents which describe measures to monitor sulphur dioxide, nitrogen oxide and meteorological parameters in the area of the Facility;
2. "Approval" means this entire Environmental Compliance Approval and any Schedules to it;
3. "Boiler" means any one of the four power boilers described in the Company's application, this Approval and in the supporting documentation referred to herein, to the extent approved by this Approval;
4. "Boiler Stacks" means the two identical stacks through which the four (4) power boilers exhaust;
5. "CLC" means the Community Liaison Committee established under Condition 8;
6. "Company" means Ontario Power Generation Inc. 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;
7. "Continuous Monitoring Plan" means a document that describes the Continuous Monitoring System that the Company will use for continuous monitoring;
8. "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;
9. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
10. "Emission Summary Table" means a table described in paragraph 14 of subsection 26 (1) of O. Reg. 419/05;
11. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
12. "Equipment" means the equipment described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
13. "Facility" means the entire operation located on the property where the Equipment is located;
14. "Fuel Sulphur Content" means the total sulphur content of the residual fuel oil from the most recent sample collected under Condition 16.2;
15. "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;

16. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
17. "Maximum Overload", means operating a Boiler at a gross electric output of at least 560 Megawatts, as displayed by the Boiler control instrumentation;
18. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf;
19. "Operations Manual for Air Quality Monitoring in Ontario" means the Ministry publication "Operations manual for air quality monitoring in Ontario", dated May 14, 2019, as amended;
20. "O. Reg. 419/05" means Ontario Regulation 419/05: Air Pollution – Local Air Quality, made under the EPA;
21. "Production Threshold" means electrical output, in megawatts, as specified in Schedule 1;
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. "Public Notification System" means the public notification system developed in accordance with Condition 4.3 of this Approval;
24. "Site-Specific Standard" means an air standard, approved under section 35 of O. Reg. 419/05 and has the same meaning as in section 32 and section 35 of O. Reg. 419/05.

TERMS AND CONDITIONS

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

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, not later than three (3) months after the date of this Approval, 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, including spill clean-up procedures;

- iii. procedures for any record keeping activities relating to operation and maintenance of the Equipment; and
 - iv. all appropriate measures to minimize noise emissions from all potential sources;
- b. implement the recommendations of the Manual.

2. RECORD RETENTION

1. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Approval, and make these records available for review by staff of the Ministry upon request. The Company shall retain:
 - a. all records on the maintenance, repair and inspection of the Equipment; and
 - b. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint relates;
 - ii. wind direction at the time of the incident to which the complaint relates; and
 - iii. 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.

3. 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.

4. PUBLIC NOTIFICATION

1. The Company shall notify the public through the Public Notification System, as soon as reasonably possible:
 - a. when the production level of the Facility exceeds the Production Threshold specified in Schedule 1 while burning residual fuel oil; and
 - b. when the production level is subsequently reduced to below the level described above.
2. The Company shall notify the public through the Public Notification System, as soon as reasonably possible, after two consecutive 5-minute sulphur dioxide concentrations measured at any monitoring station exceed 530 micrograms per

cubic metre or when the 1-hour rolling average sulphur dioxide concentration measured at any monitoring station exceeds 320 micrograms per cubic metre.

3. The notification referred to in Condition 4.2 shall include information about potential health effects of the measured sulphur dioxide concentrations.

5. AMBIENT MONITORING

1. The Company shall develop an Ambient Monitoring Plan:
 - a. for the continuous monitoring of concentrations of sulphur dioxide and nitrogen oxide at locations near the facility; and
 - b. for the operation of a 10 metre meteorological tower.
2. The Ambient Monitoring Plan shall:
 - a. be prepared in accordance with the Operations Manual for Air Quality Monitoring in Ontario;
 - b. include the locations of two (2) monitoring stations agreed upon with the District Manager;
 - c. include the timeline for installation and commencement of operation of the continuous monitoring stations and meteorological tower;
3. The Company shall submit the Ambient Monitoring Plan to the District Manager not later than sixty (60) days after the date of this amendment to the Approval or as otherwise agreed to in writing by the District Manager.
4. The Company shall finalize the Ambient Monitoring Plan in consultation with the District Manager.
5. Upon approval of the Ambient Monitoring Plan by the District Manager, the company shall immediately implement the Ambient Monitoring Plan in accordance with the timeline included in the Ambient Monitoring Plan.
6. The Company shall obtain written authorization from the District Manager prior to the implementation of any changes to the Ambient Monitoring Plan.
7. A record of all quality-assured 5-minute and 1-hour rolling average sulphur dioxide concentrations measured during each calendar year shall be retained for a minimum of five (5) years and made available for review by the Ministry upon request.
8. A record of all quality-assured 1-hour average nitrogen oxide concentrations measured during each calendar year shall be retained for a minimum of five (5) years and made available for review by the Ministry upon request.

6. QUARTERLY REPORTING

1. The Company shall prepare quarterly summary reports summarizing the results of the sulphur dioxide and nitrogen oxide monitoring required under Condition 5 including:
 - a. identification of each location at which a measurement was taken;
 - b. a summary of the total number of 1-hour sulphur dioxide concentrations at or above 100 micrograms per cubic metre;
 - c. a summary of the total number of 1-hour nitrogen oxide concentrations at or above 400 micrograms per cubic metre;
 - d. for each of the sulphur dioxide and nitrogen oxide readings identified above, the Company shall also include the following information regarding each episode:
 - i. date;
 - ii. time;
 - iii. monitoring station;
 - iv. 5-minute average concentrations from which the hourly average was determined;
 - v. duration of episode;
 - vi. wind speed;
 - vii. wind direction; and
 - viii. surface temperature.
2. The Company shall submit each quarterly summary report to the District Manager within 30 days of the end of the period being reported upon.

7. RESIDUAL FUEL OIL

1. The Company shall only receive residual fuel oil if the total sulphur content is less than or equal to 0.5 percent by weight.
2. The Company shall, once every two (2) weeks, collect and test a sample of the residual fuel oil to determine the total sulphur content, specific gravity and net heating value.
3. The Company shall only use residual fuel oil with a total sulphur content of less than or equal to 0.85 percent by weight at the Facility during the first five (5) years after

the date of this amendment to the Approval is made and less than or equal to 0.6 percent by weight on an annual average basis thereafter.

4. The Company shall maintain and retain for a minimum of five (5) years, a record of:
 - a. the total sulphur content in each order of residual fuel oil accepted at the Facility; and
 - b. the results of the testing required by Conditions 7.2 which includes the date on which the sample was taken and the results of the test.

8. COMMUNITY LIAISON COMMITTEE (CLC)

1. The Company shall take all reasonable steps to establish, maintain and participate in a CLC, and ensure that:
 - a. the CLC includes at least:
 - i. one (1) management representative from the Company;
 - ii. one (1) representative from the community;
 - iii. one (1) representative from each local, previously engaged Indigenous community; and
 - iv. one (1) representative from KFL&A Public Health;
 - b. the District Manager is kept informed of the CLC activities and invited to all CLC meetings; and
 - c. the CLC meets, at a minimum, once annually.
2. The Company shall develop terms of reference in consultation with the CLC.
3. The Company shall establish a Public Notification System in consultation with the CLC. The District Manager shall be copied on all communications sent through the Public Notification System.

9. COMMUNITY ENGAGEMENT REPORT

1. An annual Community Engagement Report shall be prepared by the Company for the preceding calendar year by March 31 of each calendar year.
2. The Community Engagement Report shall include:
 - a. documentation of all environmental complaints from the public regarding the operation of the equipment approved by this Approval, and their resolutions;
 - b. a written summary of the implementation of each Action Plan as defined in any Site-Specific Standard issued to the Company;
 - c. a summary of any notifications required under Condition 4.1;

- d. a summary of any notifications required under Condition 4.2;
- e. a table summarizing:
 - i. the residual fuel oil sulphur content, specific gravity, and heating values of each test required by Condition 7.2;
 - ii. the amount of electricity produced when the residual fuel oil was used;
- f. the maximum, average, and minimum measured 5-minute sulphur dioxide concentrations at each monitoring station;
- g. a summary of the information in the quarterly summary reports required under Condition 6;
- h. a copy of the Emission Summary Table;
- i. the maximum and average 1-hour sulphur dioxide and nitrogen dioxide emission rates for the preceding calendar year obtained from the Continuous Monitoring System;
- j. the number of predicated 1-hour sulphur dioxide concentrations above 100 micrograms per cubic metre, 320 micrograms per cubic metre and 690 micrograms per cubic metre based on the number of hours the Continuous Monitoring System measures above an emission threshold that has been derived from dispersion modelling;
- k. the number of predicated 1-hour nitrogen oxide concentrations above 400 micrograms per cubic metre based on the number of hours the Continuous Monitoring System measures above an emission threshold that has been derived from dispersion modelling;
- l. a summary of the total sulphur content, specific gravity, and the net heating value of each order of residual fuel oil received at the Facility; and
- m. the minutes of the CLC meetings during that calendar year and any related follow-up actions.

- 3. The Company shall submit an electronic copy of the Community Engagement Report for the preceding year to the District Manager and make the report available for public inspection by posting on the Company's website by March 31 of each calendar year.

10. CONTINUOUS MONITORING

- 1. The Company shall submit, to the Manager, not later than sixty (60) days from the date of this amendment to the Approval, a Continuous Monitoring Plan for the Continuous Monitoring System to continuously monitor and record sulphur dioxide

concentration and nitrogen oxide concentration in the undiluted flue gases leaving the Boiler Stacks.

2. The Continuous Monitoring Plan shall include descriptions of the following:

- a. process description of the Boilers;
- b. parameters requiring continuous monitoring and measurement ranges;
- c. sample probe and gas calibration port location(s) and associated flue gas conditions;
- d. sample extraction, transport and conditioning system;
- e. analyzer performance specifications;
- f. relative accuracy and reference method for test audit;
- g. performance indicators and monitoring frequency;
- h. communication protocol(s) and corrective action regarding malfunctions;
- i. preventative maintenance and spare parts;
- j. service contractor and staff responsibilities including training;
- k. QA/QC procedures and relevant operating and maintenance procedures as applicable;
- l. data acquisition system; and
- m. data verification procedures.

3. The Company shall finalize the Continuous Monitoring Plan in consultation with the Manager.

4. The Company shall procure, install, operate and maintain the Continuous Monitoring System not later than six (6) months after the Manager has approved the Continuous Monitoring Plan. A current electronic copy of the Continuous Monitoring Plan shall be kept at an accessible location for easy access by persons responsible for supervising, operating or maintaining the Continuous Monitoring System and associated data as well as by a Ministry representative, upon request.

11. COMPLAINTS RECORDING AND REPORTING

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:
 - i. the time and date of the complaint and incident to which the complaint relates;
 - ii. the nature of the complaint;
 - iii. wind direction at the time and date of the incident to which the complaint relates; and
 - iv. the address of the complainant if the complainant consents to provide it;
- b. Notify the District Manager of the complaint within two (2) business days after the complaint is received, in a manner acceptable to the District Manager.
- c. Initiate any appropriate steps to address 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.

12. 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 the 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 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; 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.

REASONS

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

1. OPERATION AND MAINTENANCE

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. RECORD RETENTION

Condition No. 2 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.

3. NOISE

Condition No. 3 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

4. PUBLIC NOTIFICATION

Condition No. 4 is included to require the Company to provide information on the Facility operations to the local community.

5. AMBIENT MONITORING

Condition No. 5 is included to require the Company to gather accurate information so that compliance with the EPA can be verified.

6. QUARTERLY REPORTING

Condition No. 6 is included to require the Company to provide information to the Ministry, to assist the Ministry with the review of the site's compliance with this Approval.

7. RESIDUAL FUEL OIL

Condition No. 7 is included to provide minimum performance requirements considered necessary to implement the Action Plan.

8. COMMUNITY LIAISON COMMITTEE and COMMUNITY ENGAGEMENT REPORT

Conditions No. 8 and 9 are included to require the Company to engage the local community for dissemination, consultation, review and exchange of information regarding the operation of the Facility.

9. CONTINUOUS MONITORING

Condition No. 10 is included to require the Company to gather accurate information so that compliance with the EPA, O. Reg. 419/05 and this Approval can be verified..

10. COMPLAINTS RECORDING AND REPORTING

Condition No. 11 is 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 and a requirement to prepare and retain a written report.

11. CHANGE OF OWNERSHIP

Condition 12 is included to require the Company to notify/report to the Ministry so that compliance with the EPA, the regulations and this Approval can be verified.

APPEAL PROVISIONS

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me and the Ontario Land Tribunal, within 15 days after the service of this notice, require a hearing by the Tribunal. You must also provide notice to, the Minister of the Environment, Conservation and Parks in accordance with Section 47 of the *Environmental Bill of Rights*, 1993 who 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:

1. 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;
2. 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

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
.....

Toronto, Ontario
M7A 2J3

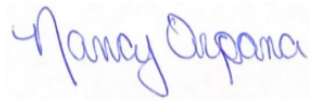
Floor
Toronto, Ontario
M4V 1M2

*** 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 [Ontario Land Tribunal's](#)**

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 [Environmental Registry of Ontario](#), 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 31st day of August, 2026



Nancy Orpana

Director

appointed for the purposes of Part II.1 of the *Environmental Protection Act*

c: Tracy Leung, ONTARIO POWER GENERATION INC.

Jacob Barbara, Ontario Power Generation

The following schedules are a part of this environmental compliance approval:

SCHEDULE 1

Production Threshold Calculation Procedure

The Company shall calculate the Production Threshold according to the following formula:

Production Threshold (in megawatts) = $625.3 / \text{Fuel Sulphur Content}$

The Fuel Sulphur Content is expressed as the total weight percent sulphur in the fuel. For example, for a sulphur content of 0.6 percent by weight, use a value of 0.6 in the equation.