

**AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 6289-D9KNAD

Issue Date: October 21, 2024

Highbury Canco Corporation  
148 Erie Street South  
Leamington, Ontario  
N8H 0C3

**Site Location:** 148 Erie Street South, Leamington, Ontario.

*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:*

## Description Section

A food processing facility, consisting of the following processes and support units:

- tomato paste production;
- tomato juice production;
- vinegar production;
- cereal production;
- pasta production;
- bean production;
- other food production and canning operations;
- QA/QC testing and research;
- warehousing;
  
- two (2) natural gas fired boilers (B-4 and B-5) , each having a maximum heat input of 94.95 Gigajoules per hour;
- one (1) natural gas fired boilers (B-6), having a maximum heat input of 147.7 Gigajoules per hour;
- one (1) natural gas fired boiler (B-7), having a maximum heat input of 110.78 Gigajoules per hour;
- one (1) natural gas fired boiler (B-8), having a maximum heat input of 208.89 Gigajoules per hour; and
- two (2) Co-Generation Units, each unit consisting of:
  - one (1) natural gas fired turbine, having a maximum heat input rating of 46.96

Gigajoules per hour and a generator with a maximum power output rating of 3.54 Megawatts; and

- one (1) natural gas fired heat recovery steam generator (HRSG) system, having a maximum heat input rating of 46.79 Gigajoules per hour and heat output rating of 8.6 Megawatts;

including the Equipment and any other ancillary and support processes and activities, operating at a Facility Production Limit of up to 222,000 tonnes of product per year, discharging to the air as described in the Original ESDM Report.

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

1. "ACB list" means the document entitled "Air Contaminants Benchmarks (ACB) List: Standards, guidelines and screening levels for assessing point of impingement concentrations of air contaminants", as amended from time to time and published by the Ministry and available on a Government website;
2. "Acceptable Point of Impingement Concentration" means a concentration accepted by the Ministry as not likely to cause an adverse effect for a Compound of Concern that,
  - a. is not identified in the ACB list, or
  - b. is identified in the ACB list as belonging to the category "Benchmark 2" and has a concentration at a Point of Impingement that exceeds the concentration set out for the contaminant in that document.With respect to the Original ESDM Report, the Acceptable Point of Impingement Concentration for a Compound of Concern mentioned above is the concentration set out in the Original ESDM Report;
3. "Acoustic Assessment Report" means the report, prepared in accordance with Publication NPC-233 and Appendix A of the Basic Comprehensive User Guide, prepared by Amir Iravani / Dillon Consulting Limited. and dated September 2024, submitted in support of the application, that documents all sources of noise emissions and Noise Control Measures present at the Facility, as updated in accordance with Condition 5 of this Approval;
4. "Acoustic Assessment Summary Table" means a table prepared in accordance with the Basic Comprehensive User Guide summarising the results of the Acoustic Assessment Report, as updated in accordance with Condition 5 of this Approval;
5. "Acoustic Audit" means an investigative procedure consisting of measurements

and/or acoustic modelling of all sources of noise emissions due to the operation of the Facility, assessed to determine compliance with the Performance Limits for the Facility regarding noise emissions, completed in accordance with the procedures set in Publication NPC-103 and reported in accordance with Publication NPC-233;

6. "Acoustic Audit Report" means a report presenting the results of an Acoustic Audit , prepared in accordance with Publication NPC-233;
7. "Acoustical Consultant" means a person currently active in the field of environmental acoustics and noise/vibration control, who is familiar with Ministry noise guidelines and procedures and has a combination of formal university education, training and experience necessary to assess noise emissions from a Facility;
8. "Approval" means this entire Environmental Compliance Approval and any Schedules to it;
9. "Basic Comprehensive User Guide" means the Ministry document titled "Basic Comprehensive Certificates of Approval (Air) User Guide" dated March 2011, as amended;
10. "Best Management Practices for Industrial Sources of Odour" means the Ministry Publication "Best Management Practices for Industrial Sources of Odour", dated January 31, 2017, as amended;
11. "Boilers" means the five (5) natural gas fired boilers (B-4, B-5, B-6, B-7 and B-8), described in the ESDM Report, this Approval and in the Schedules referred to herein and any other equipment or processes;
12. "Co-Generation Units" means the two (2) natural gas fired combustion turbines complete with natural gas fired heat recovery steam generators, described in the ESDM Report, this Approval and in the Schedules referred to herein and any other equipment or processes;
13. "Company" means Highbury Canco Corporation 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;
14. "Compound of Concern" means a contaminant described in paragraph 4 subsection 26 (1) of O. Reg. 419/05, namely, a contaminant that is discharged from the Facility in an amount that is not negligible;
15. "Description Section" means the section on page one of this Approval describing the Company's operations and the Equipment located at the Facility and specifying the Facility Production Limit for the Facility;
16. "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;

17. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
18. "Emission Summary Table" means a table described in paragraph 14 of subsection 26 (1) of O. Reg. 419/05;
19. "Environmental Assessment Act" means the *Environmental Assessment Act*, R.S.O. 1990, c.E.18;
20. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
21. "Equipment" means equipment or processes described in the ESDM Report, this Approval and in the Schedules referred to herein and any other equipment or processes;
22. "Equipment with Specific Operational Limits" means the Co-Generation Units, the five (5) natural gas fired Boilers (B-4, B-5, B-6, B-7 and B-8), any Equipment related to the thermal oxidation of waste or waste derived fuels, fume incinerators or any other Equipment that is specifically referenced in any published Ministry document that outlines specific operational guidance that must be considered by the Director in issuing an Approval;
23. "ESDM Report" means the most current Emission Summary and Dispersion Modelling Report that describes the Facility. The ESDM Report is based on the Original ESDM Report and is updated after the issuance of this Approval in accordance with section 26 of O. Reg. 419/05 and the Procedure Document;
24. "Facility" means the entire operation located on the property where the Equipment is located;
25. "Facility Production Limit" means the production limit placed by the Director on the main product(s) or raw materials used by the Facility;
26. "Fuel Flow Rate" means the flow rate of the fuel, expressed in cubic metres per second at standard temperature and pressure, or kilograms per second;
27. "Heat Output" means the total useful heat energy recovered from the Combustion Turbine Facility as heat, expressed in megawatts;
28. "Highest Ranking Person" means the highest ranking person regularly present at the Facility who has management responsibilities relating to the Facility;
29. "Independent Acoustical Consultant" means an Acoustical Consultant who is not representing the Company and was not involved in preparing the Acoustic Assessment Report or the design/implementation of Noise Control Measures for the Facility and/or Equipment. The Independent Acoustical Consultant shall not be retained by the Acoustical Consultant involved in the noise impact assessment or the design/implementation of Noise Control Measures for the Facility and/or Equipment;

30. "ISO-3744:2010" means the International Organization for Standardization, standard ISO 3744:2010 Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane, as amended.;
31. "ISO-9614-2:1996" means the International Organization for Standardization, standard ISO-9614-2:1996 Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 2: Measurement by scanning, as amended.;
32. "ISO-10494:2018" means the International Organization for Standardization, standard ISO-10494:2018 Turbines and turbine sets- Measurement of emitted airborne noise - Engineering/survey method, as amended.;
33. "Log" means a document that contains a record of each change that is required to be made to the ESDM Report and Acoustic Assessment Report, including the date on which the change occurred. For example, a record would have to be made of a more accurate emission rate for a source of contaminant, more accurate meteorological data, a more accurate value of a parameter that is related to a source of contaminant, a change to a Point of Impingement and all changes to information associated with a Modification to the Facility that satisfies Condition 2;
34. "Lower Heating Value" means the energy released during combustion of the fuel, excluding the latent heat content of the water vapour component of the products of combustion, expressed in megajoules per cubic metre at standard temperature and pressure, or megajoules per kilogram;
35. "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;
36. "Ministry" means the ministry of the Minister;
37. "Modification" means any construction, alteration, extension or replacement of any plant, structure, equipment, apparatus, mechanism or thing, or alteration of a process or rate of production at the Facility that may discharge or alter the rate or manner of discharge of a Compound of Concern to the air or discharge or alter noise or vibration emissions from the Facility;
38. "Noise Abatement Action Plan" means the noise abatement program developed by the Company, submitted to the Director and District Manager and approved by the Director, designed to achieve compliance with the sound level limits set in Publications NPC-300;
39. "Noise Control Measures" means measures to reduce the noise emissions from the Facility and/or Equipment including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers. It also means

the Noise Control Measures, as outlined in the Acoustic Assessment Report;

40. "NO<sub>x</sub>" means the oxides of nitrogen, including nitric oxide (NO) and nitrogen dioxide (NO<sub>2</sub>);
41. "O. Reg. 419/05" means Ontario Regulation 419/05: Air Pollution – Local Air Quality, made under the EPA;
42. "Odour Management Plan" means the plan that is a consolidation outlining the efforts at the Facility to minimize the nuisance impacts of odour emissions that may result from all operations at the Facility and sources associated with the Facility, to minimize the potential for complaint in relation to odour from the Facility and sources associated with the Facility;
43. "Original 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 Dillon Consulting Limited and dated January 3, 2024, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this Approval;
44. "Point of Impingement" has the same meaning as in section 2 of O. Reg. 419/05;
45. "Point of Reception" means Point of Reception as defined by Publication NPC-300;
46. "Power Output" means the electricity from the shaft power production (GTGs) of the Combustion Turbine Facility, expressed in megawatts;
47. "Procedure Document" means Ministry guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2018, as amended;
48. "Processes with Significant Environmental Aspects" means the Equipment which, during regular operation, would discharge one or more contaminants into the air in an amount which is not considered as negligible in accordance with section 26 (1) 4 of O. Reg. 419/05 and the Procedure Document;
49. "Publication NPC-103" means the Ministry Publication NPC-103 of the Model Municipal Noise Control By-Law, Final Report, August 1978, published by the Ministry as amended;
50. "Publication NPC-207" means the Ministry draft technical publication "Impulse Vibration in Residential Buildings", November 1983, supplementing the Model Municipal Noise Control By-Law, Final Report, published by the Ministry, August 1978, as amended;
51. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;

52. "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;
53. "Schedules" means the following schedules attached to this Approval and forming part of this Approval namely:
- Schedule A - Supporting Documentation.
  - Schedule B - Performance Limits for Co-Generation Units.
  - Schedule C- Source Testing Procedures.
  - Schedule D - Thermal Efficiency Calculations.
54. "Thermal Efficiency" means the thermal efficiency of the Co-Generation Units calculated according to the formula described in Schedule C of this Approval;
55. "Toxicologist" means a qualified professional currently active in the field of risk assessment and toxicology that has a combination of formal university education, training and experience necessary to assess contaminants; and
56. "Written Summary Form" means the electronic questionnaire form, available on the Ministry website, that documents whether Modifications were undertaken at the Facility and compliance with the Approval, in the previous calendar year.

*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. GENERAL**

1. Except as otherwise provided by this Approval, the Facility shall be designed, developed, built, operated and maintained in accordance with the terms and conditions of this Approval and in accordance with the following Schedules attached hereto:
  - Schedule A - Supporting Documentation.
  - Schedule B - Performance Limits for Co-Generation Units.
  - Schedule C - Source Testing Procedures
  - Schedule D - Thermal Efficiency Calculations.

### **2. LIMITED OPERATIONAL FLEXIBILITY**

1. Pursuant to section 20.6 (1) of the EPA and subject to Conditions 2.2 and 2.3 of this Approval, future construction, alterations, extensions or replacements

are approved in this Approval if the future construction, alterations, extensions or replacements are Modifications to the Facility that:

- a. are within the scope of the operations of the Facility as described in the Description Section of this Approval;
- b. do not result in an increase of the Facility Production Limit above the level specified in the Description Section of this Approval; and
- c. result in compliance with the performance limits as specified in Condition 4.

2. Condition 2.1 does not apply to,

- a. the addition of any new Equipment with Specific Operational Limits or to the Modification of any existing Equipment with Specific Operational Limits at the Facility; and
- b. Modifications to the Facility that would be subject to the Environmental Assessment Act.

3. Condition 2.1 of this Approval shall expire ten (10) years from the date of this Approval, unless this Approval is revoked prior to the expiry date. The Company may apply for renewal of Condition 2.1 of this Approval by including an ESDM Report and an Acoustic Assessment Report that describes the Facility as of the date of the renewal application.

### **3. REQUIREMENT TO REQUEST AN ACCEPTABLE POINT OF IMPINGEMENT CONCENTRATION**

1. Prior to making a Modification to the Facility that satisfies Condition 2.1.a. and 2.1.b., the Company shall prepare a proposed update to the ESDM Report to reflect the proposed Modification.
2. The Company shall request approval of an Acceptable Point of Impingement Concentration for a Compound of Concern if the Compound of Concern is not identified in the ACB list as belonging to the category "Benchmark 1" and a proposed update to an ESDM Report indicates that one of the following changes with respect to the concentration of the Compound of Concern may occur:
  - a. The Compound of Concern was not a Compound of Concern in the previous version of the ESDM Report and
    - i. the concentration of the Compound of Concern exceeds the concentration set out for the contaminant in the ACB list; or
    - ii. the Compound of Concern is not identified in the ACB list; or
  - b. The concentration of the Compound of Concern in the updated ESDM



Report exceeds the higher of,

- i. the most recent Acceptable Point of Impingement Concentration, and
- ii. the concentration set out for the contaminant in the ACB list, if the contaminant is identified in that document.

3. The request required by Condition 3.2 shall propose a concentration for the Compound of Concern and shall contain an assessment, performed by a Toxicologist, of the likelihood of the proposed concentration causing an adverse effect at Points of Impingement.
4. If the request required by Condition 3.2 is a result of a proposed Modification described in Condition 3.1, the Company shall submit the request, in writing, to the Director at least 30 days prior to commencing to make the Modification. The Director shall provide written confirmation of receipt of this request to the Company.
5. If a request is required to be made under Condition 3.2 in respect of a proposed Modification described in Condition 3.1, the Company shall not make the Modification mentioned in Condition 3.1 unless the request is approved in writing by the Director.
6. If the Director notifies the Company in writing that the Director does not approve the request, the Company shall,
  - a. revise and resubmit the request; or
  - b. notify the Director that it will not be making the Modification.
7. The re-submission mentioned in Condition 3.6 shall be deemed a new submission under Condition 3.2.
8. If the Director approves the request, the Company shall update the ESDM Report to reflect the Modification.
9. Condition 3 does not apply if Condition 2.1 has expired.

#### **4. PERFORMANCE LIMITS**

1. Subject to Condition 4.2, the Company shall not discharge or cause or permit the discharge of a Compound of Concern into the air if,
  - a. the Compound of Concern is identified in the ACB list as belonging to the category "Benchmark 1" and the discharge results in the concentration at a Point of Impingement exceeding the Benchmark 1 concentration; or
  - b. the Compound of Concern is not identified in the ACB list as belonging to the category "Benchmark 1" and the discharge results in the

- concentration at a Point of Impingement exceeding the higher of,
- i. if an Acceptable Point of Impingement Concentration exists, the most recent Acceptable Point of Impingement Concentration, and
  - ii. the concentration set out for the contaminant in the ACB list, if the contaminant is identified in that document.
2. Condition 4.1 does not apply if the benchmark set out in the ACB list has a 10-minute averaging period and no ambient monitor indicates an exceedance at a Point of Impingement where human activities regularly occur at a time when those activities regularly occur.
  3. The Company shall:
    - a. at all times operate the Equipment/Facility as presented in the Acoustic Assessment Report;
    - b. upon issuance of this Approval, implement the Noise Control Measures, as outlined in the Noise Abatement Action Plan specified in the Acoustic Assessment Report;
    - c. ensure that the noise emissions from the Facility operations, comply at all times with the limits set out in Ministry Publication NPC-300;
    - d. ensure that the Noise Control Measures are properly maintained and continue to provide the acoustical performance outlined in the Acoustic Assessment Report;
  4. The Company shall at all times, ensure that the vibration emissions from the Facility comply with the limits set out in Ministry Publication NPC-207.
  5. The Company shall operate any Equipment with Specific Operational Limits approved by this Approval in accordance with the Original ESDM Report.

## **5. DOCUMENTATION REQUIREMENTS**

1. The Company shall maintain an up-to-date Log.
2. No later than March 31 in each year, the Company shall update the Acoustic Assessment Report and shall update the ESDM Report in accordance with section 26 of O. Reg. 419/05 so that the information in the reports is accurate as of December 31 in the previous year.
3. The Company shall make the Emission Summary Table (see section 27 of O. Reg. 419/05) and Acoustic Assessment Summary Table available for examination by any person, without charge, by posting it on the Internet or by making it available during regular business hours at the Facility.
4. The Company shall, within three (3) months after the expiry of Condition 2.1 of this Approval, update the ESDM Report and the Acoustic Assessment

Report such that the information in the reports is accurate as of the date that Condition 2.1 of this Approval expired.

5. Conditions 5.1 and 5.2 do not apply if Condition 2.1 has expired.

## **6. WRITTEN SUMMARY FORM**

1. Subject to Condition 6.2, the Company shall prepare, and make available to the Ministry upon request, no later than June 30 of each year, a Written Summary Form signed by the Highest Ranking Person.
2. Condition 6.1 does not apply if:
  - a. Condition 2.1 has expired; and
  - b. the Written Summary Form has been completed for the year in which Condition 2.1 expired.

## **7. OPERATION AND MAINTENANCE**

1. The Company shall prepare and implement, not later than three (3) months from the date of this Approval, operating procedures and maintenance programs for all Processes with Significant Environmental Aspects, which shall specify as a minimum:
  - a. frequency of inspections and scheduled preventative maintenance;
  - b. procedures to prevent upset conditions;
  - c. procedures to minimize all fugitive emissions;
  - d. procedures to prevent and/or minimize odorous emissions;
  - e. procedures to prevent and/or minimize noise emissions; and
  - f. procedures for record keeping activities relating to the operation and maintenance programs.
2. The Company shall ensure that all Processes with Significant Environmental Aspects are operated and maintained in accordance with this Approval, the operating procedures and maintenance programs.

## **8. ODOUR MANAGEMENT PLAN**

1. The Company shall, at all times, take all reasonable measures to minimize odorous emissions and odour impacts from all potential sources at the Facility.
2. The Company shall prepare and implement, not later than three (3) months from the date of this Approval, in consultation with the District Manager and to the satisfaction of the Director, an Odour Management Plan for the control of odour emissions from the Facility and to minimize the potential for complaint in relation to odour from the Facility and sources associated with

the Facility. The Odour Management Plan shall be prepared in accordance with the best management practices described in Ministry's "Best Management Practices for Industrial Sources of Odour", dated January 31, 2017 and shall include as a minimum, but not limited to:

- a. Facility and process descriptions including a list of potential sources of odour emissions;
- b. description of the preventative and control measures to minimize odour emissions from the identified sources.
- c. an implementation schedule for the implementation of the Odour Management Plan, including training of facility personnel.
- d. inspection and maintenance procedures to ensure effective implementation of the Odour Management Plan.
- e. procedures for verification and recording the progress of the implementation of the Odour Management Plan.
- f. records of each time a specific preventative and odour impact reduction measure described in the Odour Management Plan is implemented.
- g. The Company shall continue to update the Odour Management Plan, as necessary or at a frequency directed or agreed to in writing by the District Manager.
- h. If the District Manager does not accept the Odour Management Plan, the District Manager may require the Odour Management Plan to be revised and updated.

## **9. 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: 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.

## **10. RECORD KEEPING REQUIREMENTS**

1. Any information requested by any employee or agent of the Ministry concerning the Facility 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 employee or agent of the Ministry, upon request, in a timely manner.
2. Unless otherwise specified in this Approval, the Company shall retain, for a minimum of five (5) years from the date of their creation all reports, records and information described in this Approval, including,
  - a. a copy of the Original ESDM Report and each updated version;
  - b. a copy of each version of the Acoustic Assessment Report;
  - c. supporting information used in the emission rate calculations performed in the ESDM Reports and Acoustic Assessment Reports;
  - d. the records in the Log;
  - e. copies of each Written Summary Form prepared under Condition 6.1 of this Approval;
  - f. records of maintenance, repair and inspection of Equipment related to all Processes with Significant Environmental Aspects; and
  - g. all records related to environmental complaints made by the public as required by Condition 8 of this Approval.

## **11. EQUIPMENT WITH SPECIFIC REQUIREMENTS**

1. The Company shall ensure that the Co-Generation Units are designed and operated to comply, at all times, with the following performance requirements:
  - a. The concentrations of nitrogen oxides and carbon monoxide, in the undiluted gas emitted from the Co-Generation Units stacks are not greater than the limits specified in Schedule B attached to this Approval.
  - b. The Thermal Efficiency of the Co-Generation Units is not less than the Thermal Efficiency specified in Schedule B of this Approval.
2. The Company shall perform Source Testing, in accordance with the procedures outlined in Schedule C not later than one (1) year after the date

of this Approval, to determine the rate of emission of Nitrogen Oxides from the Co-Generation Units and the Boilers.

3. The Company shall perform a test in conjunction with the above Source Testing to determine the Thermal Efficiency of the Co-Generation Units. The Company shall, as a minimum:
  - a. determine the parameters described in Schedule D, during the Thermal Efficiency testing for both Co-Generation Units;
  - b. calculate the Thermal Efficiency of the Co-Generation Units according to the formula described in Schedule D;
  - c. prepare a summary of the results of the Thermal Efficiency testing no later than three (3) months after completing the test. The summary shall indicate the Thermal Efficiency of the Co-Generation Units and include all parameters described in Schedule D;
  - d. if the measured Thermal Efficiency is less than the anticipated Thermal Efficiency specified in Schedule B of this Approval (with a tolerance of 0.05 multiplied by the anticipated Thermal Efficiency), notify the Ministry so that the concentration limits specified in Schedule B of this Approval can be revised accordingly.

## **12. ACOUSTIC AUDIT**

1. The Company:
  - a. shall carry out Acoustic Audit measurements of the noise emissions from the Facility during the seasonal harvest month of September 2034, in accordance with the procedures in Ministry Publication NPC-103, NPC-300, ISO 3744, ISO 9614-2, and ISO 10494. The Independent Acoustical Consultant shall measure the worst case seasonal scenario operations at the Points of Reception. The Independent Acoustical Consultant shall also measure the top fifty (50) dominant noise sources and source heights. Noise from dominant stacks shall be measured by the Independent Acoustical Consultant using ISO 10494. The Independent Acoustical Consultant shall also measure the truck coupling / decoupling impulsive sound level and source height.
  - b. shall submit an Acoustic Audit Report on the results of the Acoustic Audit, prepared by an Independent Acoustical Consultant, in accordance with the requirements of Ministry Publication NPC-233, to the District Manager and the Director, not later than three (3) months after September 2034 Audit measurements.
2. The Director:

- a. may not accept the results of the Acoustic Audit if the requirements of Ministry Publication NPC-233 were not followed; and
- b. may require the Company to repeat the Acoustic Audit if the results of the Acoustic Audit are found unacceptable to the Director.

### 13. 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;
  - 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.

### 14. REVOCATION OF PREVIOUS APPROVALS

1. This Approval replaces and revokes all Certificates of Approval (Air) issued under section 9 EPA and Environmental Compliance Approvals issued under Part II.1 EPA to the Facility in regards to the activities mentioned in subsection 9(1) of the EPA and dated prior to the date of this Approval.

## SCHEDULE A

### Supporting Documentation

1. Environmental Compliance Approval Application, dated December 19, 2022, signed by Jamie Davie and submitted by the Company;
2. Emission Summary and Dispersion Modelling Report, prepared by Dillon Consulting Limited and dated January 3, 2024;

3. Acoustic Assessment Report, prepared by Amir Iravani / Dillon Consulting Limited and dated September 2024.

## **SCHEDULE B**

### **PERFORMANCE LIMITS OF CO-GENERATION UNITS**

<b>PARAMETER</b>	<b>LIMIT</b>
Nitrogen Oxides (1)	42 ppmv (2)
Carbon Monoxide	50 ppmv
Thermal Efficiency	46.5 percent

(1) "Nitrogen oxides" means oxides of nitrogen, including nitric oxide (NO) and nitrogen dioxide (NO<sub>2</sub>).

(2) "ppmv" means parts per million by volume on a dry basis, normalized to 15 percent oxygen.

## **SCHEDULE C**

### **SOURCE TESTING PROCEDURES**

1. The Company shall submit, not later than two (2) months prior to the Source Testing, to the Manager a Pre-Test Plan for the Source Testing required under this Approval. The Company shall finalize the Pre-Test Plan in consultation with the Manager.
2. The Company shall not commence the Source Testing required under this Approval until the Manager has approved the Pre-Test Plan.
3. The Company shall notify the Manager, the District Manager and the Director 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.
4. The Company shall submit a report (electronic format) on the Source Testing to the Manager, the District Manager and the Director not later than three (3) months 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. an identification of the applicable North American Industry Classification System code (NAICS) for the Facility;
  - c. records of operating conditions at the time of Source Testing,



including but not limited to the following:

- i. production data and equipment operating rate as a percentage of maximum capacity;
  - ii. Facility/process information related to the operation of the targeted sources; including all records produced by the continuous monitoring systems;
  - iii. description of the emission sources controlled by the targeted sources at the time of testing;
- d. results of Source Testing, including the emission rate, emission concentration, and relevant emission factor of the subject test contaminants from the targeted sources;
- e. a tabular comparison of calculated emission rates and emission factors based on Source Testing results for the subject test contaminants to relevant estimates described in the ESDM Report;
- f. the results of dispersion calculations using the results of Source Testing to estimate emissions from the targeted sources in accordance with O. Reg. 419, indicating the maximum concentrations of the subject test contaminants at the Point of Impingement, if the source testing emission rate results exceed those estimated in the ESDM report.

5. The Director may not accept the results of the Source Testing if:

- a. the Source Testing Code or the requirement of the Manager were not followed;
- b. the Company did not notify the Manager, the District Manager and Director of the Source Testing; or
- c. the Company failed to provide a complete report on the Source Testing.

6. If the Director does not accept the result of the Source Testing, the Director may require re-testing. If re-testing is required, the Pre-Test Plan strategies need to be revised and submitted to the Manager for approval. The actions taken to minimize the possibility of the Source Testing results not being accepted by the Director must be noted in the revision.

7. The Company shall update their ESDM Report in accordance with Section 26 of O. Reg. 419/05 and the Procedure Document with the results from the Source Testing if any of the calculated emission factors or calculated emission rates are higher than the predicted rates in the ESDM report, not later than three (3) months after the submission of the Source Testing report and make these records available for review by staff of the Ministry upon request.

## **SCHEDULE D**

### **THERMAL EFFICIENCY VERIFICATION**

#### **PARAMETERS:**

1. Power Output (megaWatts);
2. Heat Output (megaWatts);
3. Fuel Flow Rate (in cubic metres per second at standard temperature and pressure, or kilograms per second) ;
4. Lower Heating Value of the Fuel (megajoules per cubic metre);
5. Ambient air temperature (degree of Celsius);
6. barometric pressure (kilopascal);
7. relative humidity (per cent);
8. Date, time and duration of test.

#### **FORMULA**

Thermal Efficiency = (Power Output + Heat Output) x 100% / Fuel Flow Rate / Lower Heating Value.

Thermal Efficiency testing should be conducted at maximum rating or at the maximum load achievable at the time of testing and shall employ an average time of not less than three hours.

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

#### **1. GENERAL**

Condition number 1 is included to require the Approval holder to build, operate and maintain the Facility in accordance with the Supporting Documentation in Schedule A considered by the Director in issuing this Approval.

#### **2. LIMITED OPERATIONAL FLEXIBILITY, REQUIREMENT TO REQUEST AN ACCEPTABLE POINT OF IMPINGEMENT CONCENTRATION AND PERFORMANCE LIMITS**

Conditions number 2, 3 and 4 are included to limit and define the Modifications

permitted by this Approval, and to set out the circumstances in which the Company shall request approval of an Acceptable Point of Impingement Concentration prior to making Modifications. The holder of the Approval is approved for operational flexibility for the Facility that is consistent with the description of the operations included with the application up to the Facility Production Limit. In return for the operational flexibility, the Approval places performance based limits that cannot be exceeded under the terms of this Approval. Approval holders will still have to obtain other relevant approvals required to operate the Facility, including requirements under other environmental legislation such as the Environmental Assessment Act.

### **3. DOCUMENTATION REQUIREMENTS**

Condition number 5 is included to require the Company to maintain ongoing documentation that demonstrates compliance with the performance limits as specified in Condition 4 of this Approval and allows the Ministry to monitor ongoing compliance with these performance limits. The Company is required to have an up to date ESDM Report and Acoustic Assessment Report that describe the Facility at all times and make the Emission Summary Table and Acoustic Assessment Summary Table from these reports available to the public on an ongoing basis in order to maintain public communication with regard to the emissions from the Facility.

### **4. WRITTEN SUMMARY FORM**

Condition number 6 is included to require the Company to prepare, and make available to the Ministry upon request, a yearly Written Summary Form, to assist the Ministry with the review of the site's compliance with the EPA, the regulations and this Approval.

### **5. OPERATION AND MAINTENANCE**

Condition number 7 is included to require the Company to properly operate and maintain the Processes with Significant Environmental Aspects to minimize the impact to the environment from these processes.

### **6. COMPLAINTS RECORDING AND REPORTING PROCEDURE**

Condition number 8 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.

### **7. RECORD KEEPING REQUIREMENTS**

Condition number 9 is included to require the Company to retain all documentation related to this Approval and provide access to employees in or agents of the Ministry, upon request, so that the Ministry can determine if a more detailed review of compliance with the performance limits as specified in Condition 4 of this Approval is necessary.

## 8. EQUIPMENT WITH SPECIFIC OPERATIONAL LIMITS

Condition number 11.1 is included to provide the minimum performance requirement considered necessary to prevent an adverse effect resulting from the operation of the Co-Generation Units.

Condition number 11.2 is included to require the Company to gather accurate information on the emissions from the Co-Generation Units and the Boilers, so that the environmental impact and subsequent compliance with the Act, the regulations and this Approval can be verified.

## 9. ACOUSTIC AUDIT

Condition number 12 is included to require the Company to gather accurate information and submit an Acoustic Audit Report in accordance with procedures set in the Ministry's noise guidelines, so that the environmental impact and subsequent compliance with this Approval can be verified.

## 10. CHANGE OF OWNERSHIP

Condition No. 13 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.

## 11. REVOCATION OF PREVIOUS APPROVALS

Condition number 14 is included to identify that this Approval replaces all Section 9 Certificate(s) of Approval and Part II.1 Approvals in regards to the activities mentioned in subsection 9(1) of the EPA and dated prior to the date of this Approval.

**Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 8-1009-90-006 issued on March 27, 1990.**

In accordance with Section 139 of the *Environmental Protection Act*, you may by written notice served upon me, the Ontario Land Tribunal and in accordance with Section 47 of the *Environmental Bill of Rights*, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the *Environmental Protection Act* provides that the notice requiring the hearing ("the Notice") shall state:

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

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

The Notice should also include:

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

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

This Notice must be served upon:

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

and

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

and

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

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

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

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

DATED AT TORONTO this 21st day of October,  
2024



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

QN/  
c: Area Manager, MECP Windsor  
c: District Manager, MECP Sarnia  
Amir Iravani, Dillon Consulting Limited