

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 7016-BWCJKL

Issue Date: December 16, 2020

Lafarge Canada Inc.
6501 Bath Road
Bath, Ontario
K0H 1G0

Site Location: Lafarge Bath Plant, Biomass Waste Processing
6501 Bath Road
Lot 4-8, Concession BROKEN FRONT
Loyalist Township, County of Lennox and Addington

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 cement manufacturing facility, consisting of the following processes and support units:

- Quarry operations - limestone extraction and processing;
- Raw material delivery, storage, crushing and transfers;
- Conventional Fuel preparation and storage;
- Low Carbon Fuel preparation and storage;
- Clinker production - Cement Kiln operations and clinker storage;
- Cement production and storage
- Packing and shipping

including the Equipment and any other ancillary and support processes and activities, operating at a Facility Production Limit of up to **1.2 million tonnes of clinker 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, by Corey Kinart / HGC Engineering and dated April 9, 2020, 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. "Best Management Practices Plan" means the document titled "Fugitive Dust Best Management Practices Plan (BMPP)", Bath Cement Plant, Revision 4, dated September 16, 2016, as amended;
10. "Basic Comprehensive User Guide" means the Ministry document titled "Basic Comprehensive Certificates of Approval (Air) User Guide" dated March 2011, as amended;
11. "Cement Kiln" means the existing cement kiln producing Portland cement and associated air pollution control equipment and CEM System, firing Conventional Fuel and Low Carbon Fuel, described in the ESDM Report, this Approval and in the Schedules referred to herein;
12. "CEM System" means the continuous monitoring and recording systems used to measure the emissions and operational parameters of the Cement Kiln;
13. "Company" means Lafarge Canada 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;
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. "Conventional Fuel" means natural gas and solid fuels including petroleum coke, coal and/or hot fluid coke;
16. "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;
17. "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;
18. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
19. "Emission Summary Table" means a table described in paragraph 14 of subsection 26 (1) of O. Reg. 419/05;
20. "Environmental Assessment Act" means the Environmental Assessment Act, R.S.O. 1990, c.E.18, as amended;
21. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
22. "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;

23. "Equipment with Specific Operational Limits" means the Cement Kiln and 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;
24. "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;
25. "Facility" means the entire operation located on the property where the Equipment is located;
26. "Facility Production Limit" means the production limit placed by the Director on the main product(s) or raw materials used by the Facility;
27. "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;
28. "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;
29. "Low Carbon Fuel" means the materials listed in Condition 7 of this Approval;
30. "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;
31. "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;
32. "Ministry" means the ministry of the Minister;

33. "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;
34. "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, as outlined in the Acoustic Assessment Report;
35. "O. Reg. 419/05" means Ontario Regulation 419/05, Air Pollution – Local Air Quality, as amended;
36. "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 RWDI Air Inc., and dated March 27, 2020 submitted in support of the application, and includes any changes to the report made up to the date of issuance of this Approval;
37. "Point of Impingement" has the same meaning as in section 2 of O. Reg. 419/05;
38. "Point of Reception" means Point of Reception as defined by Publication NPC-300;
39. "Pre-Test Plan" means a plan for the Source Testing including the information required in Section 5 of the Source Testing Code;
40. "Procedure Document" means Ministry guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2018, as amended;
41. "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;
42. "Publication NPC-103" means the Ministry Publication NPC-103 of the Model Municipal Noise Control By-Law, Final Report, August 1978, as amended;
43. "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;
44. "Publication NPC-233" means the Ministry Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;
45. "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;

46. "Schedules" means the following schedules attached to this Approval and forming part of this Approval namely:
- Schedule A - Supporting Documentation
 - Schedule B - Performance Requirements - In-stack Emission Limits;
 - Schedule C - Low Carbon Fuel - Operational Requirements;
 - Schedule D - Procedure for Source Testing; and
 - Schedule E - Test Contaminants
47. "Source Testing" means sampling and testing to measure emissions resulting from operating the test sources under conditions which yield the worst case emissions within the approved operating range of the test sources which satisfies paragraph 1 of subsection 11(1) of O. Reg. 419/05;
48. "Source Testing Code" means the Ontario Source Testing Code, dated June 2010, prepared by the Ministry, as amended;
49. "Test Contaminants" means those contaminants set out in **Schedule E** of this Approval.
50. "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
51. "Written Summary Form" means the electronic questionnaire form, available on the Ministry website, and supporting documentation, that documents the activities undertaken at the Facility 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 Requirements - In-stack Emission Limits
 - Schedule C - Low Carbon Fuel - Operational Requirements
 - Schedule D - Procedure for Source Testing
 - Schedule E - Test Contaminants

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;
 - b. Modifications to the Facility that would alter the Low Carbon Fuel or increase the quantity of Low Carbon Fuel specified in condition 7 of this Approval.
 - c. 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 ensure that the noise emissions from the Facility comply with the limits set in Ministry Publication NPC-300;
4. The Company shall ensure that the vibration emissions from the Facility comply with the limits set 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.
6. The Company shall ensure that at all times when Low Carbon Fuel is co-fired with Conventional Fuel in the Cement Kiln, the undiluted gases emitted from the exhaust stack of the Cement Kiln complies with the performance requirements specified in **Schedule B** of this Approval.
7. The Company shall ensure that there is no increase in the emissions of sulphur dioxide and oxides of nitrogen when Low Carbon Fuel is co-fired with Conventional Fuel in the Cement Kiln, as compared to the emissions of sulphur dioxide and oxides of nitrogen resulting from use of only Conventional Fuel.

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. REPORTING REQUIREMENTS

1. Subject to Condition 6.2, the Company shall provide the Director no later than June 30 of each year, a Written Summary Form to be submitted through the Ministry's website that shall include the following:
 - a. a declaration of whether the Facility was in compliance with section 9 of the EPA, O. Reg. 419/05 and the conditions of this Approval;
 - b. a summary of each Modification satisfying Condition 2.1.a. and 2.1.b. that took place in the previous calendar year that resulted in a change in the previously calculated concentration at a Point of Impingement for any Compound of Concern or resulted in a change in the sound levels reported in the Acoustic Assessment Summary Table at any Point of Reception.
2. Condition 6.1 does not apply if Condition 2.1 has expired.

7. APPROVED LOW CARBON FUEL

1. The following Low Carbon Fuel generated on a post-diversion basis from industrial, commercial, institutional and construction & demolition sources, as described in Items 3, 4 and 5 in **Schedule A** of this Approval are approved for use for thermal processing and energy recovery in the Cement Kiln at the Facility:
 - a. biomass fuel derived directly from harvested plant and forest sources, from end of life agricultural sources, or woodwaste that is managed in accordance with the requirements for a woodwaste combustor site as prescribed in O. Reg. 347, paragraph 28.1(2), and includes but is not limited to sawdust, wood chips, wood, miscanthus grass, millet, sorghum, hemp, switch grass and maize.

- b. materials made predominantly from biomass (excluding biomass from animals, biomass from food processing and preparation operations, and odourous biomass) but that do not meet the definition of "woodwaste" listed in O. Reg. 347;
 - c. non-recyclable plastics, including but not limited to manufacturing rejects, material resource recovery facility rejects, plastics bags, packaging;
 - d. non-recyclable paper fiber/wood/plastic composites, including but not limited to single-serve coffee pods, printed papers, paper towels, rejects and trimmings from paper recycling facilities (e.g. ragger tails), end rolls and cores;
 - e. construction & demolition waste, including but not limited to carpets, textiles, sawdust, floor laminates;
 - f. tire fluff and non-recyclable rubber;
 - g. compost rejects, including but not limited to plastic bags and woody materials;
 - h. treated wood, including but not limited to railway ties, telephone poles;
 - i. asphalt shingles
2. The combined amount of Low Carbon Fuel described in Condition 7.1 subjected to thermal processing in the Cement Kiln shall not exceed a total of 250 tonnes per day.

8. OPERATION AND MAINTENANCE

1. The Company shall prepare, update 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.
3. The Company shall:
 - a. update as necessary, the existing Design and Operations Manual specific to all aspects of the Facility, including but not limited to the handling, processing and combustion in the Cement Kiln of Low Carbon Fuel, including procedures for the following:
 - i. operating and maintenance procedures in accordance with good engineering practices and as recommended by the equipment suppliers;
 - ii. start-up, shut-down and emergency measures;
 - iii. procedures for any record keeping activities relating to the operations of the Facility;
 - b. implement all measures, procedures and recommendations of the Design and Operations Manual.
4. The Company shall, while firing Low Carbon Fuel, comply with the operational requirements set out in **Schedule C** of this Approval.
5. Low Carbon Fuel shall be fired in accordance with the operating procedures and shall only be fired once the Cement Kiln has achieved normal operation, temperatures and production and shall be introduced only in the high-temperature combustion zones of the Cement Kiln.
6. The firing of Low Carbon Fuel shall be stopped (following appropriate procedures) if:
 - a. the temperature, residual oxygen or pressure as measured by the specified measuring equipment do not meet the operational requirements outlined in **Schedule C** of this Approval for more than four (4) consecutive hours; or
 - b. the measuring equipment for one or more of the parameters specified in condition 8.6.a are down or malfunctioning in the Riser Duct or both the North and South exit gas streams of the Cement Kiln as applicable for more than four (4) consecutive hours.
7. A Low Carbon Fuel testing and quality assurance program shall be implemented in accordance with the Design and Operations Report dated January 28, 2019 referenced in **Schedule A** of this Approval or any updates to the Design and Operations Report, to establish consistency in the Low Carbon Fuel characteristics. At a minimum, the Low Carbon Fuel analysis parameters shall comply with the criteria specified in Section 7, Table 5 of the Design and Operations Report dated January 28, 2019 referenced in **Schedule A** of this Approval.
8. The Company shall record the following data during Cement Kiln Operation

- a. daily combined raw feed in tonnes per day;
 - b. daily Low Carbon Fuel fired in the Cement Kiln in tonnes per day;
 - c. daily Conventional Fuel fired in the Cement Kiln in tonnes per day;
 - d. daily clinker production in tonnes per day;
 - e. records of any incidents specified in Condition 8.6 of this Approval, and
 - f. any start-up, shut-down and malfunction incidents.
9. The Company shall submit by March 31 of each year to the District Manager, a written summary of the information recorded under Condition 8.8 of this Approval for the preceding calendar year, including but not limited to the following details:
- a. Clinker and cement production in tonnes per year
 - b. Maximum daily feed rate and average daily feed rate in the Cement Kiln for each month of the preceding calendar year for each category of Low Carbon Fuel described in Condition 7 of the Approval, and their weight percentages compared to Conventional Fuel input to the Cement Kiln.

9. CONTINUOUS EMISSIONS MONITORING

1. Continuous Emissions Monitoring in the Kiln Stack

- a. The Company shall ensure that the CEM Systems are fully operational when the Cement Kiln is in operation to continuously monitor the following parameters in the exhaust gas stream of the Cement Kiln exhaust stack:
 - i. Nitrogen Oxides;
 - ii. Sulphur Dioxide;
 - iii. Opacity
- b. The design and operation of the CEM System for Nitrogen Oxides and Sulphur Dioxide shall comply with the requirements of O. Reg. 194/05, EPA – "Industry Emissions – Nitrogen Oxides and Sulphur Dioxide", as amended.
- c. The CEM System for opacity shall be designed, operated and maintained in accordance with a continuous emissions monitoring plan approved in writing by the Manager.

2. Continuous Emissions Monitoring of Process Conditions

- a. The Company shall ensure that the CEM Systems are fully operational when the Cement Kiln is in operation to continuously monitor the following parameters:
 - i. Oxygen and carbon monoxide at the back end of the kiln;
 - ii. Temperature of the gases in the Cement Kiln at the chain inlet point where the gas temperature reaches a minimum of 750 Deg. C;
 - iii. Total Hydrocarbon (as methane) in the gases leaving the Cement Kiln exhaust stack.
- b. The CEM System referenced in condition 9.2.a. shall be designed, operated and maintained in accordance with a continuous emissions monitoring plan approved in writing by the Manager.

3. Continuous Emissions Monitoring Documentation

- a. The Company shall retain on site the data monitored by the CEM System, summarizing the following as a minimum:
 - i. the daily minimum, maximum and average readings for the parameters specified in Condition 9 of this Approval;
 - ii. the daily firing rate of the Low Carbon Fuel and Conventional Fuel used during the period the readings were taken;
 - iii. the percent availability of the CEM System for the parameters specified in condition 9 of this Approval.
- b. The Company shall establish the total hydrocarbons concentration range for normal operating conditions when the Cement Kiln is fired with Conventional Fuel only, not later than sixty (60) days from the date of commissioning of the total hydrocarbon CEM System. Thereafter, during the regular use of Low Carbon Fuel, the Company shall, at a minimum on a quarterly basis, review the CEM System data and identify and investigate any anomalous total hydrocarbons data. The investigations report shall be prepared and retained on site.
- c. The Company shall retain on site, all raw data generated by the CEM System.

10. SOURCE TESTING

1. The Company shall conduct Source Testing in accordance with the procedure in **Schedule D**, to determine the rates of emissions of the Test Contaminants specified in **Schedule E** from the Cement Kiln exhaust stack. The Source Testing required under this Approval shall be conducted not later than six (6) months from the date of commencement of operation of the expanded Fuel Platform which allows for the use of higher quantity of Low Carbon Fuel up to 250 tonnes per day, or within a time frame as directed by or agreed to in writing by the District Manager. The Company shall notify the District Manager in writing of the details of the installed equipment, date of installation and date of commencement of operation of the Fuel Platform within two (2) weeks of the installation or commencement of operation.
2. The Source Testing shall include, as a minimum, the rates of emissions of the Test Contaminants from the Cement Kiln exhaust stack, when the Cement Kiln is co-fired with Conventional Fuel and Low Carbon Fuel, at a Low Carbon Fuel maximum approved firing rate of 250 tonnes per day or at a firing rate agreed to in writing by the Manager, subject to the condition that operational checks of the Cement Kiln are accepted by the Company.
3. At a minimum, the Low Carbon Fuel used during Source Testing shall contain a blend of :
 - a. 30% or more by weight of one or more of the following categories described in Condition 7.1; and
 - i. non-recyclable plastics, including but not limited to manufacturing rejects, material resource recovery facility rejects, plastic bags, packaging;
 - ii. tire fluff and non-recyclable rubber; and
 - iii. construction and demolition waste, including but not limited to carpets, textiles, sawdust, floor laminates;
 - b. 10% or more by weight of one or more of the following categories described in Condition 7.1;
 - i. asphalt shingles;
 - ii. treated wood including but not limited to railway ties and telephone poles;
 - iii. non-recyclable paper fiber/wood/plastic composites, including but not limited to single-serve coffee pods, printed papers, paper towels, end rolls and cores; and
 - iv. compost rejects, including but not limited to plastic bags and woody materials;

4. In addition to Source Testing required under Conditions 10.1 and 10.2 of this Approval, Source Testing shall be conducted once every calendar year in accordance with the procedure in **Schedule D**, to determine the rates of emissions of the Test Contaminants specified in **Schedule E** from the Cement Kiln exhaust stack, for the use of Low Carbon Fuel, if Low Carbon Fuel are co-fired in the Cement Kiln in that calendar year.
5. The District Manager may relax the frequency and/or scope of the annual Source Testing specified in condition 10.4 of this Approval, if the results of a representative set of annual Source Testing programs indicate that any change in the emission rates or Point of Impingement concentrations of Compounds of Concern are insignificant when substituting a portion of Conventional Fuel with Low Carbon Fuel.

11. FUGITIVE EMISSIONS CONTROL

1. The Company shall update as necessary and implement the Best Management Practices Plan for the control of fugitive dust emissions.
2. The Company shall:
 - a. review and evaluate the Best Management Practices Plan on an annual basis;
 - b. record the results of each annual review and update as required the Best Management Practices Plan within two (2) months of the completion of the annual review;
 - c. maintain the updated Best Management Practices Plan at the Facility;
 - d. implement, at all times, the most recent version of the Best Management Practices Plan.
3. Documentation Requirements: Best Management Practices Plan

The Company shall record and retain such records, each time a specific preventative and control measure described in the Best Management Practices Plans is implemented. The Company shall record, as a minimum:

- a. the date when each emission control measure is implemented, including a description of the control measure;
- b. the date when each new preventative measure or operating procedure to minimize emissions is implemented, including a description of the preventative measure or operating procedure; and
- c. the date, time of commencement, and time of completion of each periodic activity conducted to minimize emissions, including a description of the preventative measure/procedure and the name of the individual performing the periodic activity.

12. COMPLAINTS RECORDING AND REPORTING

1. If at any time, the Company receives an environmental complaint from the public regarding the operation of the Facility, 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
 - ii. name and address of the complainant (if provided)
 - iii. nature of the complaint
 - iv. weather conditions and wind direction at the time of the complaint
 - v. incident related to the complaint if known
 - 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 attributable to the operations at the Facility.
 - d. Provide a written reply to the complainant, if known and if requested by the complainant within 3 business days of the complaint
 - e. Complete and retain on-site a report written within one (1) week 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.

13. RECORD KEEPING REQUIREMENTS

1. Any information requested by any employee in 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 in 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 provided to the Ministry under Condition 6.1 of this Approval;
- f. records of maintenance, repair and inspection of Equipment related to all Processes with Significant Environmental Aspects;
- g. all records related to environmental complaints made by the public as required by Condition 12 of this Approval.
- h. records related to incidents and process specified in Conditions 8.6 and 8.8 of this Approval;
- i. records related to Source Testing events specified in conditions titled "Source Testing" of this Approval;
- j. records related to the operation of the CEM System specified in conditions titled "Continuous Emission Monitoring" of this Approval;
- k. all records related to sampling and testing of fuels specified in condition 8.7 of this Approval, and
- l. records related to the preventative and control measures implemented as specified in conditions titled "Fugitive Emissions Control" of this Approval.

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.

15. ACOUSTIC AUDIT

- 1. The Company shall carry out Acoustic Audit measurements on the actual noise emissions due to the operation of the Facility. The Company:
 - a. shall carry out Acoustic Audit measurements in accordance with the procedures in Publication NPC-103;
 - 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 Publication NPC-233, to the District Manager and the Director, not later than eighteen (18) months from the date of this Approval.
- 2. The Director:

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

SCHEDULE A

SUPPORTING DOCUMENTATION

1. Application for Environmental Compliance Approval, dated April 9, 2020, received on April 16, 2020 and signed by Robert Cumming, Lafarge Canada Inc.;
2. Emission Summary and Dispersion Modelling Report prepared by RWDI Air Inc. and dated March 27, 2020 and signed by Brian G. Sulley and Brenda MacPhee;
3. Design and Operations Report for Low Carbon Fuel demonstration Project, Lafarge Bath Cement Plant prepared by Golder Associates Ltd. and dated April 18, 2012;
4. Design & Operations Report, Low Carbon Fuel Initiative, Lafarge Bath Cement Plant, prepared by Lafarge Canada Inc. dated September 16, 2016;
5. Design & Operations Report, Low Carbon Fuel Initiative, Lafarge Bath Cement Plant, prepared by Lafarge Canada Inc. dated January 28, 2019;
6. Additional air information including updated Emission Summary Table provided by email dated September 11, 2020 by Brenda MacPhee, Lafarge Canada Inc.
7. Updated air dispersion modelling data provided by email dated October 6, 2020 by Brian Sulley, RWDI.
8. Acoustic Assessment Report prepared by HGC Engineering, dated April 9, 2020 and signed by Corey Kinart.

SCHEDULE B

PERFORMANCE REQUIREMENTS - IN-STACK EMISSION LIMITS

Parameter	Kiln Stack Emission Limit	Verification of Compliance
Particulate Matter (PM)	50 mg/Rm ³	Results from compliance source testing
Cadmium (Cd)	7 µg/Rm ³	Results from compliance source testing
Lead (Pb)	60 µg/Rm ³	Results from compliance source testing
Mercury (Hg)	20 µg/Rm ³	Results from compliance source testing
Dioxins and Furans	80 pg/Rm ³ as ITEQ	Results from compliance source testing; results expressed as I-TEQ.
Hydrochloric Acid (HCl)	27 mg/Rm ³	Results from compliance source testing
Opacity	In accordance with s. 46 of O.Reg 419/05	Calculated as the rolling arithmetic average of 6 minutes of data measured by a CEM System that provides data at least once every minute.

Notes:

- R : Reference flue gas conditions, defined as follows:
 - Temperature 25 °C
 - Pressure 101.3 kPa
 - Oxygen content 11%
 - Water content nil (dry conditions)
- mg/Rm³ : milligrams per cubic metre of gas at Reference conditions.
- µg/Rm³ : micrograms per cubic metre of gas at Reference conditions.
- pg/Rm³ : picograms per cubic metre of gas at Reference conditions.
- I-TEQ : a toxicity equivalent concentration calculated using the toxic equivalency factors (I-TEFs) derived for each dioxin and furan congener by comparing its toxicity to the toxicity of 2,3,7,8 tetrachloro dibenzo-p-dioxin, recommended by the World Health Organization (WHO) dioxin toxicity equivalence factors (TEFs) in 2005, and adopted by Ontario in April 2012.

SCHEDULE C

LOW CARBON FUEL OPERATIONAL REQUIREMENTS

Parameter	Limits	Measurement
Total Quantity of Low Carbon Fuel combusted in the Cement Kiln.	Not exceeding 250 tonnes per day	Measured continuously.
Temperature in the Cement Kiln	Greater than 1000 Deg. C at a gas residence time of more than six (6) seconds in the Cement Kiln.	As demonstrated by the CEM System measuring the temperature of the gases at the Cement Kiln chain inlet point where the gas temperature reaches a minimum of 750 Deg. C; Calculated as a rolling 1-hour arithmetic average measured by the CEM System
Residual oxygen	>1% residual oxygen at the backend (raw material feed end) of the kiln.	As demonstrated by a minimum oxygen concentration of 4.5% measured by the oxygen CEM System at the Cement Kiln Stack. Calculated as a rolling 1-hour arithmetic average measured by the CEM System.
Pressure Control	Kiln, Preheater tower and Raw Mill must be operated under negative pressure at all times.	Measured in the Riser Duct by a CEM System.
Start-Up, Shut-down and Upset Operating Conditions	No Low Carbon Fuel shall be used.	In accordance with s.5.3.1, Design & Operations Report, Low Carbon Fuel Initiative, Lafarge Bath Cement Plant, prepared by Lafarge Canada Inc. dated January 28, 2019, as amended.

SCHEDULE D

PROCEDURE FOR SOURCE TESTING

1. The Company shall submit, not later than three (3) 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 notify the District Manager, the 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.
3. The Company shall not commence the Source Testing until the Manager has accepted the Pre-Test Plan.
4. The Company shall submit a report (hardcopy and 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, or not later than a time frame agreed in writing with the Manager. 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. results of Source Testing, including the emission rate, emission concentration and relevant emission factor of the Test Contaminants;
 - c. records of operating conditions at the time of Source Testing and other information including but not limited to:
 - i. a summary of the results of the fuel analysis program specified in Condition 8.7 of this Approval;
 - ii. a summary of records specified in condition 8.8 of this Approval, including but not limited to the hourly and daily input into the Cement Kiln of the Conventional Fuel and each category of the Low Carbon Fuel described in condition 7.1 of the Approval; and
 - iii. any other records that may affect the Source Testing results.
5. A summary of all records of the CEM System for the parameters specified in Condition 9 of this Approval at the time of Source Testing;
6. A summary table that compares the Source Testing results to the emission estimates of the Test Contaminants described in the Company's application, the ESDM Report and the Performance Limits described in Condition 4 of this Approval;
7. The Director may not accept the results of the Source Testing if:
 - a. the Source Testing Code or the requirements of the Manager were not followed;
 - b. the Company did not notify the District Manager, the Manager and the Director of the Source

Testing; or

- c. the Company failed to provide a complete report on the Source Testing.
8. If the Director does not accept the results of the Source Testing, the Director may require re-testing. 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.
9. If the Source Testing results are higher than the emission estimates in the ESDM Report, the Company shall update their ESDM Report in accordance with Section 26 of O. Reg. 419/05 with the results from the Source Testing report and make these records available for review by staff of the Ministry upon request. The updated Emission Summary Table from the updated ESDM Report shall be submitted with the report on the Source Testing.
10. The Company shall ensure that the above mentioned Source Testing report is made available and easily accessible for review by the public at the Facility and via an internet website, immediately after the document is submitted to the Ministry.

SCHEDULE E

TEST CONTAMINANTS

- Nitrogen Oxides (NO_x)
- Sulphur Dioxide (SO₂)
- Carbon Monoxide (CO)
- Carbon Dioxide (CO₂)
- Total Particulate Matter
- PM 10
- PM 2.5
- Hydrogen Chloride
- Ammonia
- Organic Matter - Total (expressed as equivalent methane)

List of Metals:

- Antimony
- Arsenic
- Barium
- Beryllium
- Cadmium
- Chromium
- Cobalt
- Copper
- Lead
- Mercury
- Manganese
- Molybdenum
- Nickel
- Selenium
- Silver
- Thallium
- Vanadium
- Zinc

SCHEDULE E

Volatile Organic Matter	List of Polycyclic Organic Matter
<ul style="list-style-type: none"> ● Acetaldehyde ● Acetone ● Acrolein ● Benzene ● Bromodichloromethane ● Bromoform ● Bromomethane ● Butadiene, 1,3 - ● Butanone, 2 - ● Carbon Tetrachloride ● Chloroform ● Cumene ● Dibromochloromethane ● Dichlorodifluoromethane ● Dichloroethane, 1,2 - ● Dichloroethene, Trans - 1,2 ● Dichloroethene, 1,1 - ● Dichloropropane, 1,2 - ● Ethylbenzene ● Ethylene Dibromide ● Mesitylene ● Methanol ● Methylene Chloride ● Phenol ● Propionaldehyde ● Styrene ● Tetrachloroethene ● Toluene ● Trichloroethane, 1,1,1 - ● Trichloroethene ● Trichloroethylene, 1,1,2 - ● Trichlorotrifluoroethane ● Trichlorofluoromethane ● Xylenes, M-, P- and O ● Vinyl Chloride 	<ul style="list-style-type: none"> ● Acenaphthylene ● Acenaphthene ● Anthracene ● Benzo(a)anthracene ● Benzo(b)fluoranthene ● Benzo(k)fluoranthene ● Benzo(a)fluorene ● Benzo(b)fluorene ● Benzo(ghi)perylene ● Benzo(a)pyrene ● Benzo(e)pyrene ● 2-Chloronaphthalene ● Chrysene ● Coronene ● Dibenzo(a,c)anthracene ● 9,10-Dimethylanthracene ● 7,12-Dimethylbenzo(a)anthracene ● Fluoranthene ● Fluorene ● Indeno(1,2,3-cd)pyrene ● 2-Methylanthracene ● 3-Methylcholanthrene ● 1-Methylnaphthalene ● 2-Methylnaphthalene ● 1-Methylphenanthrene ● 9-Methylphenanthrene ● Naphthalene ● Perylene ● Phenanthrene ● Picene ● Pyrene ● Tetralin ● Triphenylene

SCHEDULE E

Dioxins, Furans and Dioxin-like PCBs (Polychlorinated Biphenyls)

Toxicity equivalency factors (TEFs) are applied to 29 isomers of dioxins, furans and dioxin-like PCBs to convert them into 2,3,7,8-CDD (tetrachlorodibenzo-p-dioxin) toxicity equivalents (TEQ). The conversion involves multiplying the concentration of each isomer by the appropriate TEF to yield the TEQ for this isomer. Summing the individual TEQ values for each of the isomers provides the total toxicity equivalent level for the sample mixture.

A table listing the isomers and their TEFs can be found in the Ministry publication titled “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.

No.	Dioxins, Furans, and Dioxin-like PCBs	CASRN	WHO ₂₀₀₅ Toxic Equivalency Factors [TEFs]
1	2,3,7,8-Tetrachlorodibenzo-p-dioxin [2,3,7,8-TCDD]	1746-01-6	1
2	1,2,3,7,8-Pentachlorodibenzo-p-dioxin [1,2,3,7,8-PeCDD]	40321-76-4	1
3	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin [1,2,3,4,7,8-HxCDD]	39227-28-6	0.1
4	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin [1,2,3,6,7,8-HxCDD]	57653-85-7	0.1
5	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin [1,2,3,7,8,9-HxCDD]	19408-74-3	0.1
6	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin [1,2,3,4,6,7,8-HpCDD]	35822-46-9	0.01
7	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin [1,2,3,4,6,7,8,9-OCDD]	3268-87-9	0.0003
8	2,3,7,8-Tetrachlorodibenzofuran [2,3,7,8-TCDF]	51207-31-9	0.1
9	1,2,3,7,8-Pentachlorodibenzofuran [1,2,3,7,8-PeCDF]	57117-41-6	0.03
10	2,3,4,7,8-Pentachlorodibenzofuran [2,3,4,7,8-PeCDF]	57117-31-4	0.3
11	1,2,3,4,7,8-Hexachlorodibenzofuran [1,2,3,4,7,8-HxCDF]	70648-26-9	0.1
12	1,2,3,6,7,8-Hexachlorodibenzofuran [1,2,3,6,7,8-HxCDF]	57117-44-9	0.1
13	1,2,3,7,8,9-Hexachlorodibenzofuran [1,2,3,7,8,9-HxCDF]	72918-21-9	0.1

No.	Dioxins, Furans, and Dioxin-like PCBs	CASRN	WHO ₂₀₀₅ Toxic Equivalency Factors [TEFs]
14	2,3,4,6,7,8-Hexachlorodibenzofuran [2,3,4,6,7,8-HxCDF]	60851-34-5	0.1
15	1,2,3,4,6,7,8-Heptachlorodibenzofuran [1,2,3,4,6,7,8-HpCDF]	67562-39-4	0.01
16	1,2,3,4,7,8,9-Heptachlorodibenzofuran [1,2,3,4,7,8,9-HpCDF]	55673-89-7	0.01
17	1,2,3,4,6,7,8,9-Octachlorodibenzofuran [1,2,3,4,6,7,8,9-OCDF]	39001-02-0	0.0003
18	3,3',4,4'-Tetrachlorobiphenyl [3,3',4,4'-tetraCB (PCB 77)]	32598-13-3	0.0001
19	3,4,4',5- Tetrachlorobiphenyl [3,4,4',5-tetraCB (PCB 81)]	70362-50-4	0.0003
20	3,3',4,4',5- Pentachlorobiphenyl (PCB 126) [3,3',4,4',5-pentaCB (PCB 126)]	57465-28-8	0.1
21	3,3',4,4',5,5'- Hexachlorobiphenyl [3,3',4,4',5,5'-hexaCB (PCB 169)]	32774-16-6	0.03
22	2,3,3',4,4'- Pentachlorobiphenyl [2,3,3',4,4'-pentaCB (PCB 105)]	32598-14-4	0.00003
23	2,3,4,4',5- Pentachlorobiphenyl [2,3,4,4',5-pentaCB (PCB 114)]	74472-37-0	0.00003
24	2,3',4,4',5- Pentachlorobiphenyl [2,3',4,4',5-pentaCB (PCB 118)]	31508-00-6	0.00003
25	2',3,4,4',5- Pentachlorobiphenyl [2',3,4,4',5-pentaCB (PCB 123)]	65510-44-3	0.00003
26	2,3,3',4,4',5- Hexachlorobiphenyl [2,3,3',4,4',5-hexaCB (PCB 156)]	38380-08-4	0.00003
27	2,3,3',4,4',5'- Hexachlorobiphenyl [2,3,3',4,4',5'-hexaCB (PCB 157)]	69782-90-7	0.00003
28	2,3',4,4',5,5'- Hexachlorobiphenyl [2,3',4,4',5,5'-hexaCB (PCB 167)]	52663-72-6	0.00003
29	2,3,3',4,4',5,5'- Heptachlorobiphenyl [2,3,3',4,4',5,5'-heptaCB (PCB 189)]	39635-31-9	0.00003

NOTE:

The TEF scheme is intended to be used with isomer specific analytical results. In cases where results are reported by congener group only, staff at Ministry's Technical Assessment and Standards Development Branch shall be contacted for appropriate procedures to convert non-isomer specific data to TEQs.

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

1. GENERAL

Condition No. 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 No. 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 No. 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 on-going 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. REPORTING REQUIREMENTS

Condition No. 6 is included to require the Company to provide a yearly Written Summary Form to the Ministry, to assist the Ministry with the review of the site's compliance with the EPA, the regulations and this Approval.

5. APPROVED LOW CARBON FUEL

Condition No. 7 is included to define Low Carbon Fuel in this Approval.

6. OPERATION AND MAINTENANCE

Condition No. 8 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.

7. MONITORING AND TESTING

Condition Nos. 9 and 10 are included to require the Company to gather and retain accurate information so that compliance with the EPA, Regulation 419/05 and this Approval may be verified.

8. FUGITIVE EMISSIONS CONTROL

Condition No. 11 is included to emphasize that the Equipment and Facility must be maintained and operated in accordance with a procedure that will result in compliance with the EPA, Regulation 419/05 and this Approval and to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, Regulation 419/05 and this Approval may be verified.

9. COMPLAINTS RECORDING AND REPORTING PROCEDURE

Condition No. 12 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.

10. RECORD KEEPING REQUIREMENTS

Condition No. 13 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.

11. REVOCATION OF PREVIOUS APPROVALS

Condition No. 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.

12. ACOUSTIC AUDIT

Condition No. 15 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.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 8-4020-83-006, 8-4092-84-006, 8-4001-88-006, 8-4164-87-886, 8-4080-92-006, 8-4164-93-948, 8-4188-95-006, 8-4048-96-006, 8-4106-96-989, 8-4078-84-987, 2950-AK2RFX, 1554-BBHLKG issued on May 18, 1983, July 20, 1984, March 3, 1988, April 7, 1988, May 29, 1992, May 17, 1994, November 20, 1995, April 16, 1996, April 21, 1998, February 2, 1998, March 21, 2017, August 12, 2019.

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

me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

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

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

The Notice should also include:

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

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

This Notice must be served upon:

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

AND

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

AND

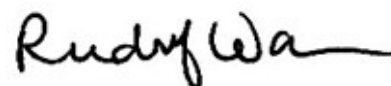
The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca

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

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

DATED AT TORONTO this 16th day of December, 2020



Rudolf Wan, P.Eng.

Director

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

SA/

c: District Manager, MECP Kingston District Office
Brian Sulley, RWDI