

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 9928-BQGGTS
Issue Date: January 22, 2021

Norbord Inc.
181 Nighswander Road, P.O. Box 2000
Chapple, Ontario
P0W 1A0

Site Location: 181 Nighswander Road
Chapple Township, District of Rainy River
P0W 1A0

*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

An oriented stand board panel manufacturing facility, consisting of the following processes and support units:

log storage;

log conditioning;

debarking;

stranding;

drying;

blending;

forming;

pressing;

finishing and packaging;

warehousing and shipping;

two (2) wood fired combustors, rated to burn up to a total of 23 dry tonnes of *Wood Fuel* per hour, with a name plate capacity of 319 million kilojoules per hour, equipped with an emergency propane/natural gas fired burner to provide hot flue gases to the hot oil heaters when the *Combustors* are not

operated, having a maximum heat input of 53 million kilojoules per hour;

including the *Equipment* and any other ancillary and support processes and activities, operating at a *Facility Production Limit* of up to **550,400 cubic metres of oriented strand board panels 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 Anmol Bhardwaj of Wood Environment & Infrastructure Solutions and dated January 14, 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 8 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 8 of this *Approval*;
5. "*Approval*" means this entire Environmental Compliance Approval and any *Schedules* to it;
6. "*Basic Comprehensive User Guide*" means the *Ministry* document titled "Basic Comprehensive Certificates of Approval (Air) User Guide" dated March 2011, as

amended;

7. "*Continuous Monitoring Plan*" means a document that describes the *Continuous Monitoring System* that the *Company* will use for continuous monitoring;
8. "*Continuous Monitoring System*" means the continuous monitoring equipment, data acquisition system and associated operating, maintenance, verification and auditing procedures described in the *Continuous Monitoring Plan*;
9. "*Combustors*" mean the two (2) wood fired combustors and all associated *Equipment* as described in the *Original ESDM Report* and the *Description Section* of this *Approval*;
10. "*Company*" means **Norbord 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*;
11. "*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;
12. "*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*;
13. "*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*;
14. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
15. "*Emission Summary Table*" means a table described in paragraph 14 of subsection 26 (1) of *O. Reg. 419/05*;
16. "*Environmental Assessment Act*" means the Environmental Assessment Act, R.S.O. 1990, c.E.18, as amended;
17. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
18. "*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;
19. "*Equipment with Specific Operational Limits*" means the *Combustors*, 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*;

20. "*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*;
21. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
22. "*Facility Production Limit*" means the production limit placed by the *Director* on the main product(s) or raw materials used by the *Facility*;
23. "*Fuel Management Plan*" means a document or a set of documents prepared by the *Company* to provide written instructions to staff of the *Company*;
24. "*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;
25. "*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*;
26. "*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;
27. "*Ministry*" means the ministry of the *Minister*;
28. "*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*;
29. "*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;
30. "*O. Reg. 419/05*" means Ontario Regulation 419/05, Air Pollution – Local Air Quality, as amended;
31. "*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 Mano Narayanan, Wood Environment and Infrastructure Solutions and dated January 14, 2020 submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;

32. "*Point of Impingement*" has the same meaning as in section 2 of *O. Reg. 419/05*;
33. "*Point of Reception*" means Point of Reception as defined by *Publication NPC-300*;
34. "*Pre-Test Plan*" means a plan for the *Source Testing* including the information required in Section 5 of the *Source Testing Code*;
35. "*Procedure Document*" means *Ministry* guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated March 2018, as amended;
36. "*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*;
37. "*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;
38. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as amended;
39. "*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;
40. "*Schedules*" means the following schedules attached to this *Approval* and forming part of this *Approval* namely:
 - Schedule A - Supporting Documentation
 - Schedule B - *Source Testing* Procedure;
41. "*Shut-down*" means an operating condition during which the operation of a source of contaminant is decreased from normal operating conditions to an inoperative state;
42. "*Source Testing*" means sampling and testing to measure emissions resulting from operating the *Facility* under conditions which yield the worst case emissions within the approved operating range of the *Facility*;

43. "*Source Testing Code*" means the Ontario Source Testing Code, dated June 2010, prepared by the *Ministry*, as amended;
44. "*Start-up*" means an operating condition during which the operation of a source of contaminant is increased from an inoperative state to normal operating conditions;
45. "*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;
46. "*Wood Fuel*" means fuel comprised of one or more of the following materials: hogged wood fuel, wood chips, *Wood Pellets*, wood strands, bark, sawdust (including on site generator trim saw and sander dust), *Woodwaste*, cellulosic plant material, paper and paper sludge, on site generated board trim, end cuts and off-spec product;
47. "*Wood Pellet*" means a pellet made from *Wood Fuel* or *Woodwaste*;
48. "*Woodwaste*" has the same meaning as in Ontario Regulation 347 R.R.O. 1990, as amended; and
49. "*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; and
 - Schedule B - *Source Testing* Procedure.

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, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.
4. The *Company* shall restrict periodic testing of the standby diesel generator-set and fire pump to the daytime hours from 7 a.m. to 7 p.m.
5. The *Company* shall restrict operation of the rail equipment on the site to the daytime hours from 7 a.m. to 7 p.m.
6. 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*.
7. The *Company* shall operate any *Equipment with Specific Operational Limits* approved by this *Approval* in accordance with the *Original ESDM Report* and Conditions 5, 6, 7, 11 and 12 in this *Approval*.

5. EQUIPMENT WITH SPECIFIC OPERATIONAL LIMITS

1. The *Company* shall ensure that the *Combustors* are operated to comply with the following performance requirements:
 - a. the concentration of oxygen in the undiluted gas emitted from the combustion chamber of the *Combustors* shall not be less than 4 per cent by volume on a 3-hour rolling average and dry basis;
 - b. the concentration of carbon monoxide in the undiluted gas emitted from the *Combustors* shall not be greater than 800 parts per million on a dry basis, 10-day rolling averaging until June 30, 2021, and 500 parts per million on a dry basis, 10-day rolling averaging, thereafter; and
 - c. only *Wood Fuel* as defined by this *Approval* is used as fuel in the *Combustors*.
2. The *Company* shall take reasonable steps to ensure that the operation of the *Combustors* meets the following targets:
 - a. the temperature in the combustion chamber of each *Combustor* is greater than 900 degrees Celsius; and

- b. the residence time, of the products of combustion and the combustion air, in the combustion chamber is not less than two (2) seconds.
3. Conditions 5.1(a), 5.1(b) and 5.2 do not apply during the *Start-up* and *Shut-down* periods of the wood fired combustors if:
 - a. the *Shut-down* does not last for more than 6 hours;
 - b. the *Start-up* does not last for more than 24 hours;
 - c. the *Start-up* or *Shut-down* is conducted according to a written plan that minimizes discharges into the air during the period of start-up or shut-down.

6. **SOURCE TESTING**

1. The *Company* shall perform *Source Testing* every (4) years in accordance with the procedure outlined in Schedule B, to determine the rate of emission of Acrolein, Total Suspended Particulate Matter and Benzo(a)pyrene from the *Combustors*. The first Source Testing program shall be conducted within one (1) year of the date of the *Approval*.

7. **CONTINUOUS MONITORING**

1. The *Company* shall submit, to the *Manager*, not later than sixty (60) days from the date of this *Approval*, a *Continuous Monitoring Plan* for the *Continuous Monitoring System* that will continuously monitor and record the operating temperatures of the *Combustors*, the carbon monoxide and the oxygen concentrations in the undiluted gasses leaving the *Combustors*.
2. The *Continuous Monitoring Plan* shall include descriptions of, but not be limited to:
 - a. source and air pollutants / parameters requiring continuous monitoring and associated targets / in-stack limits;
 - b. sample probe and gas calibration port location(s) and associated flue gas conditions;
 - c. sample extraction, transport and conditioning system;
 - d. analyzer performance specifications;
 - e. relative accuracy and reference method for test audit;
 - f. performance indicators and monitoring frequency;
 - g. communication protocol(s) and corrective action(s) regarding malfunctions;
 - h. preventative maintenance and spare parts;
 - i. service contractor and staff responsibilities including training;

- j. other operating and maintenance procedures as applicable;
 - k. data acquisition system, and
 - l. data verification procedures.
3. The *Company* shall finalize the *Continuous Monitoring Plan* in consultation with the *Manager*.
 4. The *Company* shall procure, install, operate and maintain the *Continuous Monitoring System* not later than six (6) months after the *Manager* has approved the *Continuous Monitoring Plan*. A current copy of the *Continuous Monitoring Plan* shall be kept at an accessible location for easy access by persons responsible for supervising, operating and maintaining the *Continuous Monitoring System* and associated data as well as by a *Ministry* representative, upon request.

8. DOCUMENTATION REQUIREMENTS

1. The *Company* shall maintain an up-to-date *Log*.
2. No later than June 30 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 8.1 and 8.2 do not apply if Condition 2.1 has expired.

9. REPORTING REQUIREMENTS

1. Subject to Condition 9.2, the *Company* shall provide the *Director* no later than August 31 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*; and
 - 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 9.1 does not apply if Condition 2.1 has expired.

10. **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. the ash removal, handling and disposal procedures;
- c. procedures to prevent upset conditions;
- d. procedures to minimize all fugitive emissions;
- e. procedures to prevent and/or minimize odorous emissions;
- f. procedures to prevent and/or minimize noise emissions; and
- g. 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.

11. **BI-ANNUAL TUNE-UP**

1. The *Company* shall conduct, within two (2) years of the date of this *Approval* and repeat every two (2) years thereafter, a tune-up of the *Combustors* to assist in achieving effective combustion. The tune-up shall include but not be limited to:

- a. physical inspection of the following:
 - i. fuel handling equipment;
 - ii. fuel distribution equipment;
 - iii. combustion air system;
 - iv. air measurement devices; and
 - v. grates or burners.
- b. review of equipment performance:
 - i. review carbon monoxide and oxygen data;

- ii. review airflow data;
 - iii. review air to fuel ratio data and verify operating within design criteria; and
 - iv. review calibration data and performance of the continuous monitoring system.
- c. conduct combustion test:
- i. visual observation of combustion;
 - ii. monitor and adjust excess air ratio; and
 - iii. monitor oxygen and carbon monoxide data.
2. A report shall be prepared for each tune-up, retained for a minimum of five (5) years after its creation, and made available for review by the *Ministry* upon request.

12. FUEL MANAGEMENT PLAN

1. The *Company* shall, not later than three (3) months from the date of this *Approval*, prepare a *Fuel Management Plan* for the *Combustors*. The *Fuel Management Plan* shall include, but not be limited to:
- a. a list of the types of *Wood Fuel* that may be stored at the *Facility*;
 - b. for each type of *Wood Fuel* listed in item (a), an identification of the parameters that will demonstrate the storage quality of the fuel, including size and moisture content;
 - c. for each parameter identified under item (b), a determination of a range of values within which the *Wood Fuel* will be considered of acceptable quality for storage at the *Facility*;
 - d. a procedure to ensure that the *Wood Fuel* is tested to ensure that the value for each parameter identified under item (b) is within the range determined under item (c) for the parameter;
 - e. a procedure to ensure the *Wood Fuel* is inspected on a regular basis and that the inspection includes an inspection of the pile and of the feed system;
 - f. a procedure to ensure that fuel not considered acceptable for storage at the *Facility* is rejected and not stored at the *Facility*;
 - g. an indication of the maximum time that *Wood Fuel* may be stored at the *Facility*;
 - h. a pile turn-over procedure to ensure that *Wood Fuel* that has been stored at the *Facility* longest is used first; and

- i. a procedure to ensure that records are prepared and retained at the *Facility* that set out,
 - i. the quantity of *Wood Fuel* purchased by the *Facility* and the source from which it was purchased,
 - ii. the quantity of *Wood Fuel* generated at the *Facility*, and
 - iii. the quantity of *Wood Fuel* rejected for storage at the *Facility*, in accordance with item (f), and the reasons for the rejection.
2. The *Company* shall immediately implement and maintain the *Fuel Management Plan* and update as necessary.

13. 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 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.

14. NOTIFICATION REQUIREMENTS

1. The *Company* shall notify the *District Manager*, in writing either via email or letter, of each exceedance of the carbon monoxide limit specified in Condition 5.1, within two (2) business days of the exceedance. The notification shall include:
 - a. the type of wood being processed;
 - b. the moisture content of the material;

- c. pollution control device parameters;
 - d. *Continuous Monitoring System* data for all monitored parameters; and
 - e. results of investigation on the cause(s) of the exceedance and remedial action(s) taken if deemed required.
2. The record of the notification shall be retained for a period of not less than three (3) years.
 3. The *Company* shall make available upon request by the *District Manager*, operating data of the *Combustors*.

15. SUMMARY REPORTS

1. The *Company* shall prepare, once every two (2) years, a Summary Report to summarize the performance and monitoring requirements of the *Combustors* as included in this *Approval*. Each Summary Report shall include:
 - a. for each parameter listed in this *Approval*, for which testing or continuous monitoring is required, the following statistical information:
 - i. The maximum measurement taken over the two-year period;
 - ii. The minimum measurement taken over the two-year period;
 - iii. The average measurement taken over the two-year period;
 - b. a record of all notices required to be given under Condition 14 during the two-year period;
 - c. the dates during the two-year period when *Start-up* or *Shut-down* of the *Combustors* occurred;
 - d. a record of approved fuel management procedures required in Condition 12 and details of instances where these were not followed, if any;
 - e. for each pollution control device associated with the *Combustors*, the dates during the two-year period when the device did not operate; and
 - f. a record of the results from the bi-annual tune-up required under Condition 11 of this *Approval*.

16. 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. 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 9.1 of this *Approval*;
 - f. records of maintenance, repair and inspection of *Equipment* related to all *Processes with Significant Environmental Aspects*;
 - g. all records produced by the *Source Testing*;
 - h. copy of the *Continuous Monitoring Plan* and all records produced by the *Continuous Monitoring System*;
 - i. all records related to environmental complaints made by the public as required by Condition 13 of this *Approval*; and
 - j. a copy of the *Fuel Management Plan*.

17. 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 January 10, 2020, signed by Robert Cochrane, Production Manager and submitted by the *Company*;
2. Emission Summary and Dispersion Modelling Report, prepared by Mano Narayanan, Wood Environment and Infrastructure Solutions and dated January 14, 2020;
3. *Acoustic Assessment Report*, prepared by Anmol Bhardwaj of Wood Environment and Infrastructure Solutions and dated January 14, 2020;
4. Additional information provided by Anmol Bhardwaj of Wood Environment and Infrastructure Solutions in the email dated January 15, 2021; and
5. Memo prepared by Mano Narayanan and Tony van der Vooren, Wood

SCHEDULE B

Source Testing Procedures

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*.
2. The *Company* shall finalize the *Pre-Test Plan* in consultation with the *Manager*.
3. The *Company* shall not commence the *Source Testing* until the *Manager* has approved the *Pre-Test Plan*.
4. The *Company* shall complete the first *Source Testing* within one (1) year of the date of the *Approval* and the *Company* shall complete subsequent *Source Testing* every four (4) calendar years thereafter.
5. 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*.
6. 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:
 1. an executive summary;
 2. an identification of the applicable North American Industry Classification System code (NAICS) for the *Facility*;
 3. all records of the operating conditions, including the feed rate, the moisture content and the source of the *Wood Fuel*, and the operating capacities of the *Combustors* and the four wood dryers;
 4. all records produced by the *Continuous Monitoring System*;
 5. results of *Source Testing*, including the emission rate, emission concentration, and relevant emission factor of Acrolein, Total Suspended Particulate and Benzo(a)pyrene from the *Combustors*; and
 6. a tabular comparison of *Source Testing* results for Acrolein, Total Suspended Particulate and Benzo(a)pyrene from the *Combustors* to original emission estimates described in the *Company's* application and the *ESDM Report*.

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

1. the *Source Testing Code* or the requirement of the *Manager* were not followed;
2. the *Company* did not notify the *Manager*, the *District Manager* and *Director* of the *Source Testing*; or
3. the *Company* failed to provide a complete report on the *Source Testing*.

8. 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.

9. If the *Source Testing* results are higher than the emission estimates in the *Company's 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*, 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.

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. **EQUIPMENT WITH SPECIFIC OPERATING CONDITIONS**

Condition No. 5 is included to provide minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Combustors*.

4. **SOURCE TESTING AND CONTINUOUS MONITORING**

Conditions No. 6 and 7 are included to require the *Company* to gather accurate information so that compliance with the operating requirements of this *Approval* can be verified.

5. **DOCUMENTATION REQUIREMENTS**

Condition No. 8 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*.

6. **REPORTING REQUIREMENTS**

Condition No. 9 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*.

7. **OPERATION AND MAINTENANCE, BI-ANNUAL TUNE-UP AND FUEL MANAGEMENT PLAN**

Conditions No. 10, 11 and 12 are 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.

8. **COMPLAINTS RECORDING AND REPORTING PROCEDURE**

Condition No. 13 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.

9. **NOTIFICATION REQUIREMENTS**

Condition No. 14 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the site's compliance.

10. **SUMMARY REPORTS**

Condition No. 15 is included to require the *Company* to provide information to the

Ministry, to assist the *Ministry* with the review of the site's compliance with the *EPA*, the regulations and this *Approval*.

11. **RECORD KEEPING REQUIREMENTS**

Condition No. 16 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.

12. **REVOCATION OF PREVIOUS APPROVALS**

Condition No. 17 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). 3740-AHYMCF issued on April 18, 2017.

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

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

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

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;

5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

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

This Notice must be served upon:

The Secretary*		The Minister of the Environment, Conservation and Parks		The Director appointed for the purposes of Part II.1 of the Environmental Protection Act
Environmental Review Tribunal				Ministry of the Environment, Conservation
655 Bay Street, Suite 1500	AND	777 Bay Street, 5th Floor	AND	and Parks
Toronto, Ontario		Toronto, Ontario		135 St. Clair Avenue West, 1st Floor
M5G 1E5		M7A 2J3		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 22nd day of January,
2021

Rudolf Wan, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental
Protection Act*

KS/
c: Area Manager, MECP Kenora Area Office
c: District Manager, MECP Thunder Bay District Office
Mano Narayanan, Wood Environment & Infrastructure Solutions