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

AMENDMENT TO ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8967-6XRLM3

Notice No. 4

Issue Date: December 18, 2019

Roseburg Forest Products Canada Ltd.
777 Fibreboard Drive
Pembroke, Ontario
K8A 6W4

Site Location: Roseburg Pembroke
777 Fibreboard Drive, Pembroke, Ontario.

You are hereby notified that I have amended Approval No. 8967-6XRLM3 issued on January 26, 2007 for a Facility manufacturing medium density fibreboard, to include the following items, , as follows:

- replacement of two (2) existing natural gas fired heaters, associated with the *Wood Combustors*, with two (2) natural gas fired process heaters, each having a maximum heat input of 79,125,000 kilojoules per hour, equipped Low NOx burners, operated in combination with the *Wood Combustors* as supplemental heaters, discharging into the air via applicable exhaust systems, as described in the *ESDM Report*;
- decommissioning the existing two (2) natural gas fired thermal oil heaters associated with the *Wood Combustors*;

All in accordance with the supporting documentation listed in Schedule A.

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

1. "*Acoustic Assessment Report*" means the report, prepared in accordance with *Publication NPC-233* and Appendix A of the *Basic Comprehensive User Guide*, by Peter VanDelden and Anik White, RWDI AIR Inc., and dated November 22, 2019 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*;
2. "*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*;
3. "*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*;

4. "*Acoustic Audit Report*" means a report presenting the results of an *Acoustic Audit*, prepared in accordance with *Publication NPC-233*;
5. "*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*;
6. "*Approval*" means this Amendment to Environmental Compliance Approval and any *Schedules* to it;
7. "*Company*" means Roseburg Forest Products Canada Ltd. 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*;
8. "*Director*" means a person appointed for the purpose of section 20.3 of the *EPA* by the *Minister* pursuant to section 5 of the *EPA*;
9. "*District Manager*" means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
10. "*EPA*" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
11. "*Equipment*" means the two (2) natural gas fired Heaters and associated processes described in the *ESDM Report*, this *Approval* and in the *Schedules* referred to herein and any other equipment or processes;
12. "*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 prepared by Golder Associates Ltd. and dated July 23, 2019, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;
13. "*Facility*" means the entire operation located on the property where the *Equipment* is located;
14. "*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;

15. "*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;
16. "*Ministry*" means the ministry of the *Minister*;
17. "*Noise Abatement Action Plan*" means the noise abatement program developed by the *Company*, submitted to the *Director* and *District Manager* and approved by the *Director*, designed to achieve compliance with the sound level limits set in *Publication NPC-300*, as applicable;
18. "*Noise Control Measures*" means measures to reduce the noise emissions from the *Facility* and/or *Equipment* including, but not limited to, silencers, acoustic louvres, enclosures, absorptive treatment, plenums and barriers. It also means the *Noise Control Measures* as detailed in the *Acoustic Assessment Report* dated November 22, 2019 and signed by Peter VanDelden and Anik White, RWDI AIR Inc., and in the updated *Acoustic Assessment Report* required in Condition 11 of this *Approval*;
19. "*O. Reg. 419/05*" means Ontario Regulation 419/05, Air Pollution – Local Air Quality, as amended;
20. "*Point of Impingement*" has the same meaning as in section 2 of *O. Reg. 419/05*;
21. "*Point of Reception*" means Point of Reception as defined by *Publication NPC-300*;
22. "*Procedure Document*" means *Ministry* guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated February 2017, as amended;
23. "*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*;
24. "*Publication NPC-103*" means the Ministry Publication NPC-103 of the Model Municipal Noise Control By-Law, Final Report, August 1978, published by the Ministry as amended;
25. "*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;
26. "*Publication NPC-233*" means the *Ministry* Publication NPC-233, "Information to be Submitted for Approval of Stationary Sources of Sound", October, 1995, as

amended;

27. "*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;
28. "*Revised Noise Abatement Action Plan*" means the updated *Noise Abatement Action Plan* developed by the *Company*, submitted to the *Director* and *District Manager* and approved by the *Director*, designed to manage and achieve compliance with the sound level limits set in *Publication NPC-300*;
29. "*Wood Combustors*" means the two (2) existing wood combustors, firing hog fuel, complete with air pollution control equipment including multiple cyclone dust collectors and electrostatic precipitators, previously approved under Environmental Compliance Approval No. 8967-6XRLM3, dated January 28, 2007.

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

TERMS AND CONDITIONS

1. OPERATION AND MAINTENANCE

1. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
 - a. prepare, before commencement of operation of the *Equipment* and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Equipment* suppliers;
 - ii. emergency procedures, including spill clean-up procedures;
 - iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
 - iv. all appropriate measures to minimize particulate matter, noise and odorous emissions from all potential sources;
 - b. implement the recommendations of the *Manual*.

2. NOISE

1. The *Company* shall:
 - a. install new *Equipment* (hammermill) as per information outlined in the Appendix C of the *Acoustic Assessment Report* dated November 22,

- 2019 and signed by Peter VanDelden and Anik White, RWDI AIR Inc.;
- b. operate and maintain the *Equipment/Facility* as outlined in the *Acoustic Assessment Report*;
 - c. implement the *Noise Control Measures* as detailed in the *Noise Abatement Action Plan*, and outlined in Appendix E of the *Acoustic Assessment Report*;
 - d. ensure, subsequent to the implementation of the proposed *Noise Control Measures*, that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*;
 - e. restrict the stand-by generator sets testing to the daytime hours between 7 a.m. and 7 p.m.;
 - f. limit operation of the condenser during heat dump, identified as source EDBAS, up to a maximum of fifteen (15) minutes per sixty (60) minute period at all times;
 - g. limit operation of the bag house B filter cleaning vibrator, identified as source ESWBH_vib, up to a maximum of three (3) minutes per sixty (60) minute period at all times; and
 - h. ensure that the *Noise Control Measures* are properly maintained and continue to provide the acoustical performances outlined in the *Acoustic Assessment Report*.

3. UPDATED ACOUSTIC ASSESSMENT REPORT

1. The *Company* shall submit, not later than eighteen (18) months from the date of this *Approval*, an updated *Acoustic Assessment Report*, to the *District Manager* and the *Director*, for approval by the *Director*. The updated *Acoustic Assessment Report* shall incorporate:
 - a. a detailed description of the new installed *Equipment*, including related acoustical specifications;
 - b. in the event that the findings of the updated *Acoustic Assessment Report* demonstrate that the *Facility* noise impacts at the Points of Reception are increased due to installation of the new *Equipment* (hammermill), the *Company* shall prepare and submit a *Revised Noise Abatement Action Plan* with a detailed description of the additional *Noise Control Measures*, including individual their acoustical performance specifications, such as octave band insertion and transmission losses and barrier dimensions, to reduce the non-impulsive noise emissions from the *Facility* to comply with the sound level limits set in *Publication NPC-300*, if needed; and

c. a detailed timetable for implementation of the *Noise Control Measures*.

4. **ACOUSTIC AUDIT**

5. 1. The *Company* shall carry out *Acoustic Audit* measurements on the actual noise emissions due to the operation of the *Facility*. The *Company* shall:
 - a. carry out *Acoustic Audit* measurements in accordance with the procedures in *Ministry Publication NPC-103*; and
 - b. submit an *Acoustic Audit Report* on the results of the *Acoustic Audit*, prepared by an *Independent Acoustical Consultant*, in accordance with the requirements of *Ministry Publication NPC-233*, to the *District Manager* and the *Director*, not later than fifty-four (54) 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*.

6. **RECORD RETENTION**

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

SCHEDULE A

Supporting Documentation

1. Environmental Compliance Approval Application, dated July 18, 2019, signed by Alexandre Ouellette and submitted by the *Company*;
2. Emission Summary and Dispersion Modelling Report, prepared by Golder Associates Ltd. and dated July 23, 2019;
3. *Acoustic Assessment Report*, prepared by Anik White and Peter VanDelden, RWDI AIR Inc. and dated November 22, 2019;
4. The letters (e-mails) dated September 16, 18, October 22, 29 and 30, November 7 and 22, 2019 and provided by Nghi Nguyen, Anik White and Peter VanDelden, RWDI AIR Inc.

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

1. Condition No. 1 is included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the Regulations and this *Approval*.
2. Condition No. 2 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.
3. Condition No. 3 is included to require the *Company* to submit an updated *Acoustic Assessment Report* incorporating a *Revised Noise Abatement Action Plan* to reduce the noise emissions from the *Facility* to comply with the applicable limits set in the *Ministry's Noise Guidelines*.
4. Condition No. 4.1 is included to require the *Company* to gather accurate information so that the environmental impact and subsequent compliance with the *EPA*, the regulations and this *Approval* can be verified.
Condition No. 4.2 is included to ensure that the *Acoustic Audit* is carried out in accordance with procedures set in the *Ministry's Noise Guidelines*.
5. Condition No. 5 is included to require the *Company* to keep records and to provide information to the Ministry so that compliance with the *EPA*, the regulations and this *Approval* can be verified.

This Notice shall constitute part of the approval issued under Approval No. 8967-6XRLM3 dated January 26, 2007. All other Terms and Conditions remain the same.

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
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*** 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 18th day of December,
2019

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

QN/
c: District Manager, MECP Ottawa
Jamie McEvoy, Golder Associates Ltd.