

11.2 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

(a) Application for Environmental Compliance Approval (Air & Noise), dated June 30, 2013, signed by Lawrence Bouchard and submitted by the *Company*;

(b) Application for Approval (Air & Noise), dated September 23, 2010, signed by Lawrence Bouchard and submitted by the *Company*;

(c) Emission Summary and Dispersion Modelling Report, prepared by AMEC Earth & Environmental and dated September 21, 2010;

(d) Additional information prepared by MBN Environmental Engineering Inc., dated April 25, 2012 and submitted by Jim Anderson, P.Eng.; and

(e) *Acoustic Assessment Report*, prepared by CCS Engineering Inc., dated July 30, 2015 and signed by Jim Anderson, P.Eng.

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

GENERAL

1. 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*.

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

2. 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*.

DOCUMENTATION REQUIREMENTS

3. Condition No. 5 is included to require the *Company* to maintain ongoing documentation that demonstrates compliance with the *Performance Limits* 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*.

REPORTING REQUIREMENTS

4. 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*.

OPERATION AND MAINTENANCE

5. Condition No. 7 is included to require the *Company* to properly operate and maintain the *Processes with Significant Environmental Aspects* to minimize the impact to the environment from these processes.

COMPLAINTS RECORDING AND REPORTING PROCEDURE

6. Condition No. 8 is included to require the *Company* to respond to any environmental complaints regarding the operation of the *Equipment*, according to a procedure that includes methods for preventing recurrence of similar incidents and a requirement to prepare and retain a written report.

RECORD KEEPING REQUIREMENTS

7. Condition No. 9 is included to require the *Company* to retain all documentation related to this *Approval* and provide access to employees in or agents of the *Ministry*, upon request, so that the *Ministry* can determine if a more detailed review of compliance with the *Performance Limits* is necessary.

REVOCAION OF PREVIOUS APPROVALS

8. Condition No. 10 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*.

ACOUSTIC AUDIT

9. Condition No. 11 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). 0072-8W4LPT issued on July 24, 2012.

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, S.O. 1993, c. 28 (Environmental Bill of Rights), the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner 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:

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

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

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. 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 Environmental Commissioner 1075 Bay Street, Suite 605 Toronto, Ontario M5S 2B1 | AND | The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment and Climate Change 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 www.ebr.gov.on.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 3rd day of May, 2016

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

HM/
c: District Manager, MOECC Toronto - District
Jim Anderson, P.Eng., CCS Engineering Inc.



Ministry of the Environment, Conservation and Parks
Operations Division

Confirmation of Registration

Registration Number: R-010-3112401486

Version Number: 001

Date Registration Filed: Jul 13, 2020 11:59:30 AM

Dear Sir/Madam,

KNOLL NORTH AMERICA CORP.

1000 ARROW RD
NORTH YORK ON M9M 2Y7

You have registered, in accordance with Section 20.21(1) (a) of the *Environmental Protection Act*, the use, operation, construction, alteration, extension or replacement of any plant, structure, equipment, apparatus, mechanism or thing that is located at the facility noted below, or the alteration of a process or rate of production at the facility, including the activities set out in schedule 'A'.

1000 ARROW Road NORTH YORK ON M9M 2Y7

Please note that the facility noted above is subject to the applicable provisions of O. Reg. 245/11, and O. Reg.1/17.

The activity related information provided during the registration process is included as part of the confirmation of registration as schedule 'A'.

Dated on Jul 13, 2020

Director
Environmental Approvals Access and Service Integration Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto ON M4V 1P5

Any questions related to this registration and the Environmental Activity and the Sector Registry should be directed to:

Ministry of the Environment, Conservation and Parks
Customer Service Representative
Environmental Approvals Access and Service Integration Branch
Phone:(416) 314-8001
Toll free: 1-800-461-6290

Schedule 'A'

Part 3 - Activity Information

3.1 Industry Eligibility Check

- a. Please select the facility's primary North American Industry Classification System (NAICS) code. 337213
-
- b. Does the facility have any other applicable NAICS codes? Yes No
-
- b. i. If yes, please select the facility's secondary NAICS code(s), and confirm any other applicable NAICS code(s).
-
- c. Are you engaged in an activity at the facility that may discharge or from which may be discharged a contaminant into any part of the natural environment other than water? Yes No
-
- d. Is the activity exempt from requiring an Environmental Compliance Approval (ECA) under section 9 (1) of the Environmental Protection Act (EPA) other than an activity that has been prescribed by an EASR regulation under Part II.2 of the Act? Yes No
-
- e. Are the only activities engaged in at the facility, other than activities described in question 3.1d above, prescribed under a single other EASR regulation? Yes No
-
- f. Is an alternative low-carbon fuel site within the meaning of Ontario Regulation (O. Reg.) 79/15 (Alternative Low-Carbon Fuels) operated at the facility? Yes No
-
- g. Is the activity a renewable energy project as defined in the EPA? Yes No
-
- h. Is an end-of-life vehicle waste disposal site within the meaning of O. Reg. 85/16 operated at the facility? Yes No
-

3.2 Facility Related Information

- a. Has a site-specific air standard ever been set for a contaminant discharged from the facility? (section 35 of O. Reg. 419/05 (Air Pollution -- Local Air Quality)) Yes No
-
- b. Has a person ever been registered in the Ministry's Technical Standards Registry – Air Pollution under section 39 of O. Reg. 419/05 (Air Pollution – Local Air Quality) in respect of the facility? Yes No
-
- c. Do all of the activities to be registered occur exclusively at the site?
Please Note: Discrete activities that involve the use of equipment that is intended to be moved from one site to another to perform the same function (such as the use of mobile rock crushing equipment or mobile PCB destruction equipment) are not prescribed for the purpose of the Environmental Activity and Sector Registry, and an Environmental Compliance Approval may be required. Yes No
-
- d. Is the facility located on a property that has been deemed a single property under subsection 4 (2) of O. Reg. 419/05? Yes No
-
- e. Is the facility located in an area of development control within the Niagara Escarpment Planning Area? Yes No
-
- e. i. If yes, has a development permit required under section 24 of the Niagara Escarpment Planning and Development Act (NEPDA) in respect of the facility been issued? Yes No
-
- f. Is there a landfilling site that is no longer permitted to accept waste for disposal located on the site on which the facility is located? Yes No
-
- g. Is the activity part of an undertaking to which the Environmental Assessment Act applies? Yes No
-
- g. i. If yes, is one or more of the following conditions met: Yes No
 - All class EA requirements have been completed, including decisions on any Part II order requests; OR
 - The facility has received approval to proceed with the undertaking.
-

h. Please provide a description of the facility. The description should include a summary of operations and activities at the facility that discharge contaminants, as well as what is produced, if applicable.

Knoll operates an office furniture manufacturing facility at 1000 Arrow Road, Toronto. The operations at the facility are covered under NAICS code 337213 – Wood Office Furniture, including Custom Architectural Woodwork, Manufacturing. Knoll receives wood in many forms which is used to manufacture wood furniture and related products. The wood is machined into workable pieces specific to the object being manufactured. Common machining operations include sawing, spindle shaping, planning, sanding boring and pressing. The machined pieces then go through surface finishing, which involves stains and varnishes being applied via paint booth

spray guns or roller coaters. A portion of the machined pieces also goes through the veneering process. Prior to the assembly process, involving joining pieces together mechanically and manually, the work pieces are either UV cured or air dried. Once finished, the product is packaged, stored, and shipped to its customers.

i. Please enter the date on which the facility commenced or will commence operations. 2007-01-01

j. Is the facility located in a multi-tenant building? Yes No

3.3 Activity Related Information

a. Does the land disposal of waste as defined in Regulation 347 General – Waste Management occur at the facility? Yes No

b. Does the facility process or dispose of waste by way of thermal treatment, other than the thermal treatment of wood fuel that meets the specifications in Chapter 5 of the EASR publication in a wood-fired combustor? Yes No

c. Does the facility use a wood-fired combustor? Yes No

c. i. If yes, does the wood-fired combustor have a nominal load heat input capacity of less than 3 megawatts? Yes No

c. ii. If yes, was the wood-fired combustor installed at the facility on or after January 31, 2017? Yes No

c. iii. If yes, does the wood-fired combustor exclusively use one or more of the following as fuel:
- Wood chips that meet the specifications set out in Chapter 5 of the EASR publication.
- Wood briquettes that meet the specifications set out in Chapter 5 of the EASR publication.
- Wood pellets that meet the specifications set out in Chapter 5 of the EASR publication. Yes No

d. Does the facility have any plating processes that use cadmium, cyanide, chromium or nickel, including chrome plating, electroplating or electroless plating? Yes No

e. Is an electrolytic stripping process that removes cadmium, chromium or nickel from an object used at the facility? Yes No

f. Are metals processed outdoors at the facility, including torching, shearing, shredding or plasma cutting, other than for the purpose of routine maintenance carried out at the facility on any plant, structure, equipment, apparatus or thing? Yes No

g. Is a fossil-fuel electric power generation facility with a maximum electrical power output capacity equal to or greater than 25 megawatts operated at the facility? Yes No

h. Is a combustion source that uses biogas, biomass, coal, petroleum coke or waste as a fuel, or that uses a fuel derived from biogas, biomass, coal, petroleum coke or waste other than a small wood-fired combustor operated at the facility? Yes No

i. Is a combustion turbine used at the facility? Yes No

Part 4 - Operational Information

4.1 Air

a. Does the EASR Emission Summary and Dispersion Modelling (ESDM) Report provide for modifications that have not yet been implemented at the facility? Yes No

a. i. If yes, please provide the date on which the modifications will be completed.

b. Has an instrument under O. Reg. 419/05 been issued in respect of the facility? Yes No

b. i. If yes, what type(s) of instruments (including any notices, orders or approvals) has (have) been issued? (select all that apply)

ss. 7(1) Specified Dispersion Models

ss. 8(2) Negligible Sources

ss. 10(2) Operating Conditions

ss. 11(2) Refined Emission Rates

ss. 13.1 Value of Dispersion Modelling Parameters

ss. 13(1) Meteorological Data

ss. 14(6) Area of Modelling Coverage

ss. 20(5) Speed-up Order

Other

List all that have been issued

c. To what standard did the licensed engineering practitioner assess compliance of the facility's emissions (please select the applicable box(es)):

Section 19 of O. Reg. 419/05 (Schedule 2)

Section 20 of O. Reg. 419/05 (Schedule 3)

N/A – The amount of any contaminant discharged from the site is negligible

N/A – Source(s) discharge only sound as a contaminant

N/A – Source(s) discharge sound as a contaminant and the amount of any other contaminant discharged is negligible

d. Please select all applicable boxes that apply to a discharge of a contaminant(s) to air from the facility:

Contaminant(s) belonging to Benchmark 1 category of ACB list is at or below the concentration for each specified averaging period set out for the contaminant

Contaminant(s) belonging to Benchmark 1 category of ACB list is above the concentration for a specified averaging period set out for the contaminant

By exceeding a Benchmark 1 contaminant limit(s), you must also notify your local District Office and take appropriate action in accordance with Reg. 419/05. Please see <https://www.ontario.ca/page/rules-air-quality-and-pollution#section-4> for more details under "Notification of Exceedances".

Contaminant(s) belonging to Benchmark 2 category of ACB list is at or below the concentration for each specified averaging period set out for the contaminant

Contaminant(s) belonging to Benchmark 2 category of ACB list is above the concentration for a specified averaging period set out for the contaminant

The concentration of the contaminant(s) does not have a Ministry standard, guideline, or screening level set out for the contaminant

N/A – The amount of any contaminant discharged from the site is negligible

N/A – Source(s) discharge only sound as a contaminant

N/A – Source(s) discharge sound as a contaminant and the amount of any other contaminant discharged is negligible

e. Does the facility operate a generator for non-emergency purposes? Yes No

f. Does the facility use or operate a large boiler or heater greater than 10.5 gigajoules per hour? Yes No

g. Will an Emissions Summary Table be uploaded? Yes No
Please Note: An Emissions Summary Table is required to be uploaded at the time of registration. An Emissions Summary Table is also required to be uploaded if any modifications to the facility require an update to the EASR ESDM. Additionally, as part of the 10 year review required by O. Reg. 1/17, an updated Emissions Summary Table is required to be uploaded.

h. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the EASR ESDM Report and made statements in the EASR ESDM Report Supplement and the date signed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| Thomas | Li | 100201566 | 2020-06-22 |

4.2 Fugitive Dust Control

a. Does the EASR ESDM Report prepared for the facility identify a source of fugitive dust? Yes No

a. i. If yes, has a licensed engineering practitioner signed and sealed a Best Management Practice Plan (BMPP) for fugitive dust control? Yes No

b. Has a BMPP for fugitive dust control been prepared as a result of a written notice from the Director issued under O. Reg. 1/17? Yes No

c. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the BMPP for fugitive dust control and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| | | | |

4.3 Noise

a. Please select the noise assessment method that was completed for the facility:

The facility meets the 1000m setback distance

Primary Noise Screening Method

Secondary Noise Screening Method

Acoustic Assessment Report

a. i. If the Primary Noise Screening Method was used, is the actual separation distance from the facility to the closest Point of Noise Reception equal to or greater than the minimum separation distance as determined by the Primary Noise Screening Method? Yes No

a. ii. If the Secondary Noise Screening Method was used, is the combined sound level from the facility at each affected Point of Noise Reception as determined by the Secondary Noise Screening Method less than or equal to the applicable sound level limit set out in Chapter 3 of the EASR publication? Yes No

a. iii. If an acoustic assessment was completed, did the acoustic assessment determine that the combined sound level from the facility at each affected Point of Noise Reception less than or equal to of the applicable sound level limit set out in Chapter 3 of the EASR publication? Yes No

a. iii. a) If no, has a Noise Abatement Action Plan been developed for the facility? Yes No

a. iii. b) If yes, please provide the title of the Noise Abatement Action Plan and the date it was prepared.

| Name of NAAP | Date Prepared |
|--------------|---------------|
| | |

b. Has an Acoustic Audit Report been prepared as a result of a written notice from the Director? Yes No

b. i. If yes, please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the acoustic audit report, and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| | | | |

c. Will an Acoustic Assessment Summary Table be uploaded? Yes No

Please Note: An Acoustic Assessment Summary Table is required to be uploaded at the time of registration if an Acoustic Assessment was completed for the facility. An Acoustic Assessment Summary Table is also required to be uploaded if any modifications to the facility require an update to the facility's noise report. Additionally, as part of the 10 year review required by O. Reg. 1/17, an updated Acoustic Assessment Summary Table is required to be uploaded.

d. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the noise report, and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| Thomas | Li | 100201566 | 2020-06-22 |

4.4 Odour

a. Did the Odour Screening Report indicate that a circumstance which requires a BMPP for odour to be prepared exists at the facility? Yes No

b. Did the Odour Screening Report indicate that a circumstance which requires an Odour Control Report (OCR) to be prepared exists at the facility? Yes No

b. i. If yes, please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the Odour Control Report and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| Thomas | Li | 100201566 | 2020-06-22 |

c. Has a BMPP for odour been prepared as a result of a written notice from the Director issued under O. Reg. 1/17? Yes No

d. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the BMPP for odour and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| Thomas | Li | 100201566 | 2020-06-22 |

Table 2: Acoustic Assessment Summary Table

| Point of Reception ID | Point of Reception Description | Time Period ^[1] | Total Level at POR (L _{eq} 1-hr) ^[2] | Verified by Acoustic Audit (Yes/No) | Performance Limit (L _{eq} 1-hr) ^[3] | Compliance with Performance Limit (Yes/No) |
|-----------------------|--------------------------------|----------------------------|--|-------------------------------------|---|--|
| R1 | Church | Daytime | 54 | No | 63 | Yes |
| R1 | Church | Evening | 54 | No | 59 | Yes |
| R2 | School | Daytime | 51 | No | 56 | Yes |
| R2 | School | Nighttime | N/A | No | N/A | Yes |
| R3 | House | Daytime | 44 | No | 50 | Yes |
| R3 | House | Nighttime | 44 | No | 47 | Yes |
| R4b | Condominium (Bottom - 5.70m) | Daytime | 51 | No | 58 | Yes |
| R4b | Condominium (Bottom - 5.70m) | Nighttime | 51 | No | 51 | Yes |
| R4m | Condominium (Middle - 3.3,20m) | Daytime | 55 | No | 67 | Yes |
| R4m | Condominium (Middle - 3.3,20m) | Nighttime | 55 | No | 61 | Yes |
| R4t | Condominium (Top - 70m) | Daytime | 55 | No | 67 | Yes |
| R4t | Condominium (Top - 70m) | Nighttime | 55 | No | 61 | Yes |

Notes:

- [1] The predictable worst-case one (1) hour period was considered in the study.
- [2] Worst-case one hour equivalent sound level from all applicable sources operating in dBA.
- [3] NPC-300 default minimum values of one hour L_{eq} for Class 1 Areas.

Table 4. Emission Summary Table

| Contaminant | CAS # | Total Facility Emission Rate (g/s) | Air Dispersion Model Used | Maximum POI Concentration (µg/m³) | Averaging Period (h) | MOE POI Limit (µg/m³) | Limiting Effect | Reg. Sch. No. | % of MOE POI Limit |
|------------------------------------|-------------|------------------------------------|---------------------------|-----------------------------------|----------------------|-----------------------|-----------------|---------------|--------------------|
| 1,2-ethanediol | 107-21-1 | 3.92E-03 | AERMOD | 1.84E+00 | 24 | 12700 | Health | G | 0% |
| 1,2,4-Trimethylbenzene | 95-63-6 | 6.05E-03 | AERMOD | 2.01E+00 | 24 | 220 | Health | 3 | 1% |
| 1-ethoxypropan-2-ol | 1569-02-4 | 1.77E-01 | AERMOD | 8.34E+01 | 24 | 1100 | Health | SL-JSL | 8% |
| 1-Propanol | 71-23-8 | 1.67E-01 | AERMOD | 4.75E+01 | 24 | 16000 | Health | G | 0% |
| 2-Methoxy-1-Propanol | 1589-47-5 | 2.55E-02 | AERMOD | 8.42E+00 | 24 | 95 | Health | SL-JSL | 9% |
| 2-Methoxy-1-Propanol Acetate | 70657-70-4 | 1.12E-02 | AERMOD | 3.59E+00 | 24 | 1530 | Health | G | 0% |
| 2-Methoxymethylthoxypropanol | 34590-94-8 | 4.09E-03 | AERMOD | 1.09E+00 | 24 | 1550 | Health | SL-JSL | 0% |
| 4-Methylbenzenesulfonic Acid | 104-15-4 | 9.00E-04 | AERMOD | 2.88E-01 | 24 | 11 | Health | SL-MD | 3% |
| Acetone | 67-64-1 | 5.89E-01 | AERMOD | 1.80E+02 | 24 | 11880 | Health | 3 | 2% |
| Aluminum Oxide | 1344-28-1 | 6.50E-04 | AERMOD | 2.16E-01 | 24 | 120 | Particulate | G | 0% |
| Ammonia | 7664-41-7 | 2.92E-02 | AERMOD | 1.37E+01 | 24 | 100 | Health | 3 | 14% |
| Amorphous Precipitated Silica | 112926-00-8 | 2.74E-04 | AERMOD | 9.07E-02 | 24 | 10 | Health | SL-JSL | 1% |
| Amyl Acetate | 628-63-7 | 1.29E-02 | AERMOD | 4.25E+00 | 24 | 53200 | Health & Odour | G | <0.01% |
| Butyl Acetate | 123-86-4 | 7.66E-01 | AERMOD | 4.95E+02 | 10 min | 1000 | Odour | G | 50% |
| | | | | 3.00E+02 | 1 | 15000 | Health | G | 2% |
| Carbon Black | 1333-86-4 | 5.99E-04 | AERMOD | 2.01E-01 | 24 | 10 | Soiling | 3 | 2% |
| Cyclohexane | 110-82-7 | 4.28E-03 | AERMOD | 1.42E+00 | 24 | 6100 | Health | 3 | 0% |
| Cyclohexanone | 108-94-1 | 4.28E-03 | AERMOD | 1.42E+00 | 24 | 400 | Health | SL-JSL | 0% |
| Diacetone Alcohol | 123-42-2 | 2.45E-01 | AERMOD | 3.44E+02 | 10 min | 1350 | Odour | G | 25% |
| Diethylene Glycol Monomethyl Ether | 111-77-3 | 8.01E-02 | AERMOD | 7.23E+01 | 24 | 1200 | Health | G | 6% |
| Ethanol | 64-17-5 | 8.57E-01 | AERMOD | 6.89E+02 | 1 | 19000 | Odour | G | 4% |
| Ethyl - 3 - Ethoxypropionate | 763-69-9 | 3.96E-02 | AERMOD | 5.14E+01 | 10 min | 200 | Odour | G | 26% |
| Ethyl Acetate | 141-78-6 | 8.78E-01 | AERMOD | 6.39E+02 | 1 | 19000 | Odour | G | 3% |
| Ethylbenzene | 100-41-4 | 2.82E-02 | AERMOD | 3.79E+01 | 10 min | 1900 | Odour | G | 2% |
| | | | | 9.37E+00 | 24 | 1000 | Health | 3 | 1% |
| Formaldehyde | 50-00-0 | 3.65E-03 | AERMOD | 1.17E+00 | 24 | 65 | Health | 3 | 2% |
| Isobutyl Alcohol | 78-83-1 | 1.22E+00 | AERMOD | 1.45E+03 | 24 | 4600 | Health | 3 | 32% |
| Isopropanol | 67-63-0 | 2.47E-01 | AERMOD | 7.03E+01 | 24 | 7300 | Health | 3 | 1% |
| Isopropyl Acetate | 108-21-4 | 1.67E-01 | AERMOD | 2.42E+02 | 10 min | 2000 | Odour | G | 12% |
| Kaolin | 1332-58-7 | 8.38E-04 | AERMOD | 3.12E-01 | 24 | 10 | Health | SL-JSL | 3% |
| Low Odour Mineral Spirits | 64742-47-8 | 3.13E-02 | AERMOD | 7.77E+00 | 24 | 1750 | Health | SL-JSL | 0% |
| Manganese Oxide | 1313-13-9 | 6.49E-04 | AERMOD | 2.15E-01 | 24 | 0.4 | Health | 3 | 54% |
| Methanol | 67-56-1 | 1.09E+00 | AERMOD | 3.28E+02 | 24 | 4000 | Health | 3 | 8% |
| Methyl Amyl Ketone | 110-43-0 | 6.68E-02 | AERMOD | 1.90E+01 | 24 | 4600 | Health | G | 0% |
| Methyl Ethyl Ketone | 78-93-3 | 1.48E+00 | AERMOD | 3.99E+02 | 24 | 1000 | Health | 3 | 40% |
| Methyl Isobutyl Ketone | 108-10-1 | 2.42E-01 | AERMOD | 7.03E+01 | 24 | 1200 | Odour | G | 6% |
| Methyl Propyl Ketone | 107-87-9 | 1.11E-01 | AERMOD | 3.16E+01 | 24 | 2650 | Health | SL-JSL | 1% |
| Metyl Acetate | 79-20-9 | 1.11E-01 | AERMOD | 3.16E+01 | 24 | 3000 | Health | SL-JSL | 1% |
| Mineral Spirits | 8052-41-3 | 6.09E-02 | AERMOD | 2.08E+01 | 24 | 2600 | Health | 3 | 1% |
| Mineral Spirits | 64742-88-7 | 8.57E-03 | AERMOD | 2.83E+00 | 24 | 2600 | Health | 3 | 0% |
| Naphtha | 64742-89-8 | 6.87E-03 | AERMOD | 1.94E+00 | 24 | 90 | Health | SL-JSL | 2% |
| | | | | 7.00E+02 | 10 min | 2100 | Odour | G | 33% |
| n-Butanol | 71-36-3 | 5.68E-01 | AERMOD | 1.61E+02 | 24 | 920 | Health | 3 | 18% |
| | | | | 1.72E+00 | 24 | 35 | Corrosion | 3 | 5% |
| Nitric Acid, Zinc Salt | 7779-88-6 | 4.55E-03 | AERMOD | 1.72E+00 | 24 | 35 | Corrosion | 3 | 5% |
| | | | | 2.71E+02 | 1 | 400 | Health | 3 | 68% |
| Nitrogen Oxide | 10102-44-0 | 1.17E+00 | AERMOD | 1.76E+02 | 24 | 200 | Health | 3 | 88% |
| | | | | 9.53E+01 | 24 | 120 | Visibility | 3 | 79% |
| Particulate Matter | n/a - PM | 6.20E-01 | AERMOD | 9.53E+01 | 24 | 120 | Visibility | 3 | 79% |
| Petroleum Naphthas | 64742-95-6 | 1.67E-01 | AERMOD | 4.75E+01 | 24 | 500 | Health | SL-JSL | 9% |
| PM Acetate | 108-65-6 | 1.83E-01 | AERMOD | 5.61E+01 | 24 | 5000 | Odour | G | 1% |
| Propyl Acetate | 109-60-4 | 1.67E-01 | AERMOD | 4.75E+01 | 24 | 6600 | Health | G | 1% |
| Propylene Glycol | 57-55-6 | 4.56E-02 | AERMOD | 5.26E+01 | 24 | 120 | Particulate | G | 44% |
| Propylene Glycol Methyl Ether | 107-98-2 | 1.79E+00 | AERMOD | 4.62E+03 | 10 min | 121000 | Odour | G | 4% |
| Silica, Amorphous | 7631-86-9 | 1.10E-04 | AERMOD | 3.11E-02 | 24 | 5 | Health | SL-MD | 1% |
| Silica, Quartz | 14808-60-7 | 1.95E-04 | AERMOD | 6.44E-02 | 24 | 5 | Health | G | 1% |
| Sulphuric Acid | 7664-93-9 | 2.46E-04 | AERMOD | 7.85E-02 | 24 | 5 | Health | 3 | 2% |
| Talc | 14807-96-6 | 1.10E-03 | AERMOD | 4.07E-01 | 24 | 2 | Health | G | 20% |
| Titanium Dioxide | 13463-67-7 | 3.87E-03 | AERMOD | 1.28E+00 | 24 | 34 | Health | G | 4% |
| Toluene | 108-88-3 | 2.44E+00 | AERMOD | 7.28E+02 | 24 | 2000 | Odour | G | 36% |
| Triethylamine | 121-44-8 | 6.53E-03 | AERMOD | 2.10E+00 | 24 | 35 | Health | SL-MD | 6% |
| Xylene | 1330-20-7 | 5.50E-01 | AERMOD | 7.86E+02 | 10 min | 3000 | Odour | G | 26% |
| | | | | 1.61E+02 | 24 | 730 | Health | 3 | 22% |

*** No Standard, Guideline or JSL value was found for the following contaminants; thus the substance was compared to threshold concentration of the most relevant and/or lowest limit to determine significance.

- Manganese Oxide (CAS 1313-13-9); compared with Manganese and Manganese Compounds (CAS 7439-96-5) - Schedule 3 Limit

- Naphtha (CAS 64742-89-8); compared with Naphtha, petroleum, full range straight run (CAS 64741-42-0) - JSL Value

- Nitric Acid, Zinc Salt (CAS 7779-88-6); compared with Nitric Acid (CAS 7697-37-2) - Schedule 3 Limit

Reg. Sch. or Regulation Schedule: 3 = Schedule 3 of Reg. 419

G = Summary of Standards and Guidelines to support O.Reg 419: Air Pollution - Local Air Quality February 2008

SL-JSL = Screening Level - Jurisdictional Screening Level

SL-PA = Screening Level - Previously Accepted

SL-MD = Screening Level - Ministry Derived

 **Appendix C.11**
Satin Finish Hardwood Flooring
MECP Permit(s)

Weston Heights

Compatibility & Mitigation Study

SLR Project No.: 241.30246.00000



Ministry of the Environment, Conservation and Parks
Operations Division

Confirmation of Registration

Registration Number: R-010-7111025615

Version Number: 001

Date Registration Filed: Feb 21, 2019 12:05:27 PM

Dear Sir/Madam,

SATIN FINISH HARDWOOD FLOORING,

15 Fenmar Drive
Toronto ON M9L 1L4

You have registered, in accordance with Section 20.21(1) (a) of the *Environmental Protection Act*, the use, operation, construction, alteration, extension or replacement of any plant, structure, equipment, apparatus, mechanism or thing that is located at the facility noted below, or the alteration of a process or rate of production at the facility, including the activities set out in schedule 'A'.

15 Fenmar Drive Toronto ON M9L 1L4

Please note that the facility noted above is subject to the applicable provisions of O. Reg. 245/11, and O. Reg.1/17.

The activity related information provided during the registration process is included as part of the confirmation of registration as schedule 'A'.

Dated on Feb 21, 2019

Director
Environmental Approvals Access and Service Integration Branch
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto ON M4V 1P5

Any questions related to this registration and the Environmental Activity and the Sector Registry should be directed to:

Ministry of the Environment, Conservation and Parks
Customer Service Representative
Environmental Approvals Access and Service Integration Branch
Phone:(416) 314-8001
Toll free: 1-800-461-6290

Schedule 'A'

Part 3 - Activity Information

3.1 Industry Eligibility Check

- a. Please select the facility's primary North American Industry Classification System (NAICS) code. 321211
-
- b. Does the facility have any other applicable NAICS codes? Yes No
-
- b. i. If yes, please select the facility's secondary NAICS code(s), and confirm any other applicable NAICS code(s).
-
- c. Are you engaged in an activity at the facility that may discharge or from which may be discharged a contaminant into any part of the natural environment other than water? Yes No
-
- d. Is the activity exempt from requiring an Environmental Compliance Approval (ECA) under section 9 (1) of the Environmental Protection Act (EPA) other than an activity that has been prescribed by an EASR regulation under Part II.2 of the Act? Yes No
-
- e. Are the only activities engaged in at the facility, other than activities described in question 3.1d above, prescribed under a single other EASR regulation? Yes No
-
- f. Is an alternative low-carbon fuel site within the meaning of Ontario Regulation (O. Reg.) 79/15 (Alternative Low-Carbon Fuels) operated at the facility? Yes No
-
- g. Is the activity a renewable energy project as defined in the EPA? Yes No
-
- h. Is an end-of-life vehicle waste disposal site within the meaning of O. Reg. 85/16 operated at the facility? Yes No
-

3.2 Facility Related Information

- a. Has a site-specific air standard ever been set for a contaminant discharged from the facility? (section 35 of O. Reg. 419/05 (Air Pollution -- Local Air Quality)) Yes No
-
- b. Has a person ever been registered in the Ministry's Technical Standards Registry – Air Pollution under section 39 of O. Reg. 419/05 (Air Pollution – Local Air Quality) in respect of the facility? Yes No
-
- c. Do all of the activities to be registered occur exclusively at the site?
Please Note: Discrete activities that involve the use of equipment that is intended to be moved from one site to another to perform the same function (such as the use of mobile rock crushing equipment or mobile PCB destruction equipment) are not prescribed for the purpose of the Environmental Activity and Sector Registry, and an Environmental Compliance Approval may be required. Yes No
-
- d. Is the facility located on a property that has been deemed a single property under subsection 4 (2) of O. Reg. 419/05? Yes No
-
- e. Is the facility located in an area of development control within the Niagara Escarpment Planning Area? Yes No
-
- e. i. If yes, has a development permit required under section 24 of the Niagara Escarpment Planning and Development Act (NEPDA) in respect of the facility been issued? Yes No
-
- f. Is there a landfilling site that is no longer permitted to accept waste for disposal located on the site on which the facility is located? Yes No
-
- g. Is the activity part of an undertaking to which the Environmental Assessment Act applies? Yes No
-
- g. i. If yes, is one or more of the following conditions met: Yes No
 - All class EA requirements have been completed, including decisions on any Part II order requests; OR
 - The facility has received approval to proceed with the undertaking.
-

h. Please provide a description of the facility. The description should include a summary of operations and activities at the facility that discharge contaminants, as well as what is produced, if applicable.

This report was prepared in support of the Application for Air Emission - Environmental Activity and Sector Registration (AE-EASR) for air emissions generated by three (3) lines of coat applications, one (1) glueing station, four (5) baghouse dust collectors and three (3) boilers operated by Satin Flooring Ltd. The coat application lines and the glueing stations are located in the workshop area of the facility, the dust collector baghouses are outside the building (on the west side) and the boilers are located inside the buildings servicing the facility. In addition, there are five (5) kilns (3 are heated with natural gas furnaces) for wood drying that are heated by the boilers and emit only

vapours into the atmosphere.

The facility at 15 Fenmar Drive, Toronto, Ontario is specializing in manufacturing of engineered hard wood flooring starting from receiving the raw wood timber, drying operation, cutting to the desired sized and shapes and application of finishing coats to the wood floor planks.

i. Please enter the date on which the facility commenced or will commence operations.

2018-02-15

j. Is the facility located in a multi-tenant building?

Yes No

3.3 Activity Related Information

a. Does the land disposal of waste as defined in Regulation 347 General – Waste Management occur at the facility?

Yes No

b. Does the facility process or dispose of waste by way of thermal treatment, other than the thermal treatment of wood fuel that meets the specifications in Chapter 5 of the EASR publication in a wood-fired combustor?

Yes No

c. Does the facility use a wood-fired combustor?

Yes No

c. i. If yes, does the wood-fired combustor have a nominal load heat input capacity of less than 3 megawatts?

Yes No

c. ii. If yes, was the wood-fired combustor installed at the facility on or after January 31, 2017?

Yes No

c. iii. If yes, does the wood-fired combustor exclusively use one or more of the following as fuel:

- Wood chips that meet the specifications set out in Chapter 5 of the EASR publication.
- Wood briquettes that meet the specifications set out in Chapter 5 of the EASR publication.
- Wood pellets that meet the specifications set out in Chapter 5 of the EASR publication.

Yes No

d. Does the facility have any plating processes that use cadmium, cyanide, chromium or nickel, including chrome plating, electroplating or electroless plating?

Yes No

e. Is an electrolytic stripping process that removes cadmium, chromium or nickel from an object used at the facility?

Yes No

f. Are metals processed outdoors at the facility, including torching, shearing, shredding or plasma cutting, other than for the purpose of routine maintenance carried out at the facility on any plant, structure, equipment, apparatus or thing?

Yes No

g. Is a fossil-fuel electric power generation facility with a maximum electrical power output capacity equal to or greater than 25 megawatts operated at the facility?

Yes No

h. Is a combustion source that uses biogas, biomass, coal, petroleum coke or waste as a fuel, or that uses a fuel derived from biogas, biomass, coal, petroleum coke or waste other than a small wood-fired combustor operated at the facility?

Yes No

i. Is a combustion turbine used at the facility?

Yes No

Part 4 - Operational Information

4.1 Air

a. Does the EASR Emission Summary and Dispersion Modelling (ESDM) Report provide for modifications that have not yet been implemented at the facility? Yes No

a. i. If yes, please provide the date on which the modifications will be completed.

b. Has an instrument under O. Reg. 419/05 been issued in respect of the facility? Yes No

b. i. If yes, what type(s) of instruments (including any notices, orders or approvals) has (have) been issued? (select all that apply)

ss. 7(1) Specified Dispersion Models

ss. 8(2) Negligible Sources

ss. 10(2) Operating Conditions

ss. 11(2) Refined Emission Rates

ss. 13.1 Value of Dispersion Modelling Parameters

ss. 13(1) Meteorological Data

ss. 14(6) Area of Modelling Coverage

ss. 20(5) Speed-up Order

Other

List all that have been issued

c. To what standard did the licensed engineering practitioner assess compliance of the facility's emissions (please select the applicable box(es)):

Section 19 of O. Reg. 419/05 (Schedule 2)

Section 20 of O. Reg. 419/05 (Schedule 3)

N/A – The amount of any contaminant discharged from the site is negligible

N/A – Source(s) discharge only sound as a contaminant

N/A – Source(s) discharge sound as a contaminant and the amount of any other contaminant discharged is negligible

d. Please select all applicable boxes that apply to a discharge of a contaminant(s) to air from the facility:

Contaminant(s) belonging to Benchmark 1 category of ACB list is at or below the concentration for each specified averaging period set out for the contaminant

Contaminant(s) belonging to Benchmark 2 category of ACB list is at or below the concentration for each specified averaging period set out for the contaminant

Contaminant(s) belonging to Benchmark 2 category of ACB list is above the concentration for a specified averaging period set out for the contaminant

The concentration of the contaminant(s) does not have a Ministry standard, guideline, or screening level set out for the contaminant

N/A – The amount of any contaminant discharged from the site is negligible

N/A – Source(s) discharge only sound as a contaminant

N/A – Source(s) discharge sound as a contaminant and the amount of any other contaminant discharged is negligible

e. Does the facility operate a generator for non-emergency purposes? Yes No

f. Does the facility use or operate a large boiler or heater greater than 10.5 gigajoules per hour? Yes No

g. Will an Emissions Summary Table be uploaded? Yes No
Please Note: An Emissions Summary Table is required to be uploaded at the time of registration. An Emissions Summary Table is also required to be uploaded if any modifications to the facility require an update to the EASR ESDM. Additionally, as part of the 10 year review required by O. Reg. 1/17, an updated Emissions Summary Table is required to be uploaded.

h. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the EASR ESDM Report and made statements in the EASR ESDM Report Supplement and the date signed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| Andrei | Cornel | 90273657 | 2019-02-19 |

4.2 Fugitive Dust Control

a. Does the EASR ESDM Report prepared for the facility identify a source of fugitive dust? Yes No

a. i. If yes, has a licensed engineering practitioner signed and sealed a Best Management Practice Plan (BMPP) for fugitive dust control? Yes No

b. Has a BMPP for fugitive dust control been prepared as a result of a written notice from the Director issued under O. Reg. 1/17? Yes No

c. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the BMPP for fugitive dust control and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
|------------|-----------|-------------------|-------------|

4.3 Noise

a. Please select the noise assessment method that was completed for the facility:

The facility meets the 1000m setback distance

Primary Noise Screening Method

Secondary Noise Screening Method

Acoustic Assessment Report

a. i. If the Primary Noise Screening Method was used, is the actual separation distance from the facility to the closest Point of Noise Reception equal to or greater than the minimum separation distance as determined by the Primary Noise Screening Method? Yes No

a. ii. If the Secondary Noise Screening Method was used, is the combined sound level from the facility at each affected Point of Noise Reception as determined by the Secondary Noise Screening Method less than or equal to the applicable sound level limit set out in Chapter 3 of the EASR publication? Yes No

a. iii. If an acoustic assessment was completed, did the acoustic assessment determine that the combined sound level from the facility at each affected Point of Noise Reception less than or equal to of the applicable sound level limit set out in Chapter 3 of the EASR publication? Yes No

a. iii. a) If no, has a Noise Abatement Action Plan been developed for the facility? Yes No

a. iii. b) If yes, please provide the title of the Noise Abatement Action Plan and the date it was prepared.

| Name of NAAP | Date Prepared |
|--------------|---------------|
| | |

b. Has an Acoustic Audit Report been prepared as a result of a written notice from the Director? Yes No

b. i. If yes, please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the acoustic audit report, and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| | | | |

c. Will an Acoustic Assessment Summary Table be uploaded? Yes No

Please Note: An Acoustic Assessment Summary Table is required to be uploaded at the time of registration if an Acoustic Assessment was completed for the facility. An Acoustic Assessment Summary Table is also required to be uploaded if any modifications to the facility require an update to the facility's noise report. Additionally, as part of the 10 year review required by O. Reg. 1/17, an updated Acoustic Assessment Summary Table is required to be uploaded.

d. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the noise report, and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| Andrei | Cornel | 90273657 | 2019-02-19 |

4.4 Odour

a. Did the Odour Screening Report indicate that a circumstance which requires a BMPP for odour to be prepared exists at the facility? Yes No

b. Did the Odour Screening Report indicate that a circumstance which requires an Odour Control Report (OCR) to be prepared exists at the facility? Yes No

b. i. If yes, please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the Odour Control Report and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| | | | |

c. Has a BMPP for odour been prepared as a result of a written notice from the Director issued under O. Reg. 1/17? Yes No

d. Please provide the Name(s) and Licence Number(s) of the Licensed Engineering Practitioner(s) that signed and sealed the BMPP for odour and the date signed and sealed.

| First Name | Last Name | Licence Number(s) | Date Signed |
|------------|-----------|-------------------|-------------|
| | | | |

| Contaminant Name | CAS Registry Number | Total Facility Emission Rate (g/s) | Air Dispersion Model Used | Maximum POI Concentration | Averaging Period | Ministry POI Limit | Limiting Effect | Section 19 or 20 of O. Reg. 419/05 | Schedule | % of Ministry POI Limit | Source | Benchmark | Unit for POI Values | Notes | Version Date of ACB List |
|--|---------------------|------------------------------------|---------------------------|---------------------------|------------------|--------------------|-----------------|------------------------------------|----------|-------------------------|--------|-----------|---------------------|--|--------------------------|
| 1. Suspended particulate matter (< 44 µm diameter) | | 0.5647 | O. Reg. 346 Appendix | 61.5523 | 1/2-hour | 100 Visibility | 100 Visibility | s. 19 | Sch. 2 | 62% Standard | B1 | B1 | ug/m3 | | |
| 2. Methanol (Methyl alcohol) | 67-56-1 | 1.58 | O. Reg. 346 Appendix | 172.22 | 1/2-hour | 12000 Health | 12000 Health | s. 19 | Sch. 2 | 1% Standard | B1 | B1 | ug/m3 | ACB List (Note 2, URT - Note 4, Table 4) | 2 |
| 3. Butanol, n- | 71-36-3 | 0.007 | O. Reg. 346 Appendix | 0.763 | 1/2-hour | 2760 Health | 2760 Health | s. 19 | Sch. 2 | 0% Standard | B1 | B1 | ug/m3 | ACB List (URT - Note 4, Table 4) | 2 |
| 4. Methyl ethyl ketone (2- Butanone) | 78-93-3 | 4.084 | O. Reg. 346 Appendix | 445.156 | 1/2-hour | 3000 Health | 3000 Health | s. 19 | Sch. 2 | 15% Standard | B1 | B1 | ug/m3 | ACB List (URT - Note 4, Table 4) | 2 |
| 5. Acrylic acid | 79-10-7 | 0.0061 | O. Reg. 346 Appendix | 0.6649 | 1/2-hour | 36 Health | 36 Health | s. 19 | Sch. 2 | 2% SL-PA | B2 | B2 | ug/m3 | | 2 |
| 6. Ethyl benzene | 100-41-4 | 0.0092 | O. Reg. 346 Appendix | 10.028 | 1/2-hour | 1400 Odour | 1400 Odour | s. 19 | Sch. 2 | 1% Standard | B1 | B1 | ug/m3 | ACB List (Note 2, URT - Note 4, Table 4) | 2 |
| 7. Methane diphenyl diisocyanate (MDI Monomer) | 101-68-8 | 0.00925 | O. Reg. 346 Appendix | 1.00825 | 1/2-hour | 2 Health | 2 Health | s. 19 | Sch. 2 | 50% Standard | B1 | B1 | ug/m3 | ACB List (URT - Note 4, Table 4) | 2 |
| 8. Methyl isobutyl ketone | 108-10-1 | 0.288 | O. Reg. 346 Appendix | 31.392 | 1/2-hour | 1200 Odour | 1200 Odour | s. 19 | Sch. 2 | 3% Standard | B1 | B1 | ug/m3 | | 2 |
| 9. 2-Hydroxyethyl acrylate | 818-61-1 | 0.0061 | O. Reg. 346 Appendix | 0.6649 | 1/2-hour | 13.05 Health | 13.05 Health | s. 19 | Sch. 2 | 5% SL-JSL | B2 | B2 | ug/m3 | ACB List (Note 2, 22, URT - Note 4, Table 4) | 2 |
| 10. Xylenes | 1330-20-7 | 0.212 | O. Reg. 346 Appendix | 23.108 | 1/2-hour | 2200 Health | 2200 Health | s. 19 | Sch. 2 | 1% Standard | B1 | B1 | ug/m3 | ACB List (Notes 2, 17) | 2 |
| 11. Nitrogen oxides | 10102-44-0 | 0.205 | O. Reg. 346 Appendix | 22.345 | 1/2-hour | 500 Health | 500 Health | s. 19 | Sch. 2 | 4% Standard | B1 | B1 | ug/m3 | | 2 |



Appendix C.12 Roadside Paving MECP Permit(s)

Weston Heights

Compatibility & Mitigation Study

SLR Project No.: 241.30246.00000

Content Copy Of Original



Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement
climatique

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 2798-A6AMD2

Issue Date: September 30, 2016

Roadside Paving Ltd.
125A Toryork Dr, No. A
Toronto, Ontario
M9L 1X9

Site Location: 125A Toryork Drive
Toronto City,
M9L 1X9

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:

- one (1) crushing and screening operation, having a maximum production capacity of 60 tonnes per hour, and consisting of the following emission sources:
- one (1) crushing and screening train powered by a 298 kW internal diesel engine, exhausting to the atmosphere through a stack having an exit diameter of 0.13 metre, extending 5.3 metres above grade; and
- fugitive emission resulting from the receiving, storage and shipping of aggregate materials;

all in accordance with the Application for Approval (Air) submitted by Roadside Paving Ltd., dated September 11, 2012 and signed by Sal Pillitteri, Secretary; and the supporting information, including the Emission Summary and Dispersion Modelling Report, submitted by BCX Environmental Consulting dated September 12 2012 and signed by Neil Chan, the memorandum dated February 4, 2016 signed by Neil Chan, and the Acoustic Assessment Report prepared by Howe Gastmeier Chapnik Ltd., dated October 9, 2012 and signed by Corey Kinart, P.Eng..

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

1. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "Best Management Practices Plan" means a document or a set of documents which describe measures to minimize dust emissions from the Facility and/or Equipment;
3. "Company" means Roadside Paving Ltd., that is responsible for the construction or operation of the Facility and includes any successors and assigns;
4. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
5. "EPA" means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
6. "Equipment" means the equipment described in the Company's application, this Approval and in the

supporting documentation submitted with the application, to the extent approved by this Approval;

7. "Facility" means the entire operation located on the property where the Equipment is located;

8. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

9. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf;

10. "Publication NPC-205" means the Ministry Publication NPC-205, "Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October, 1995 as amended; and

11. "Publication NPC-232" means the Ministry Publication NPC-232, "Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)", October, 1995 as amended.

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

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) prepare, not later than three (3) months after the date of this Approval, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures, including spill clean-up procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment; and

(d) all appropriate measures to minimize noise emissions from all potential sources;

(2) implement the recommendations of the Manual.

FUGITIVE DUST CONTROL

2. The Company shall prepare, not later than three (3) months after the date of this Approval, implement and update as necessary, a Best Management Practices Plan for the control of fugitive dust emissions. This Best Management Practices Plan shall include, but not be limited to:

(1) identification of the main sources of fugitive dust emissions such as:

(a) on-site traffic;

(b) paved roads/areas;

(c) unpaved roads/areas;

(d) material stock piles;

- (e) loading/unloading areas and loading/unloading techniques;
- (f) material spills;
- (g) material conveyance systems;
- (h) exposed openings in process and storage buildings; and
- (i) general work areas;

(2) potential causes for high dust emissions and opacity resulting from these sources;

(3) preventative and control measures in place or under development to minimize the likelihood of high dust emissions and opacity from the sources of fugitive dust emissions identified above. Details of the preventative and control measures shall include:

- (a) a description of the control equipment to be installed;
- (b) a description of the preventative procedures to be implemented; and/or
- (c) the frequency of occurrence of periodic preventative activities, including material application rates, as applicable;

(4) an implementation schedule for the Best Management Practices Plan, including training of Plant personnel; and

(5) inspection and maintenance procedures and monitoring initiatives to ensure effective implementation of the preventative and control measures.

RECORD RETENTION

3. 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:

(1) all records on the maintenance, repair and inspection of the Equipment;

(2) all records of any environmental complaints, including:

- (a) a description, time and date of each incident to which the complaint relates;
- (b) wind direction at the time of the incident to which the complaint relates;
- (c) 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; and

(3) the daily checklist and log book which contains all records on the preventative and control measures completed by trained staff at the required frequency for each source of fugitive dust emission identified in the Best Management Practices Plan.

NOTIFICATION OF COMPLAINTS

4. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:

(1) a description of the nature of the complaint;

(2) the time and date of the incident to which the complaint relates;

- (3) corrective actions taken to address the complaint;
- (4) the time and date of the corrective actions; and
- (5) a description of the effectiveness of the corrective actions.

NOISE

5. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-205 or Publication NPC-232, as applicable.

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

1. Condition Nos. 1 and 2 are 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. 3 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.
3. Condition No. 4 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.
4. Condition No. 5 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

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, S.O. 1993, c. 28 (Environmental Bill of Rights), the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner 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:

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

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. 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 Environmental
Commissioner
1075 Bay Street, Suite
605
Toronto, Ontario
M5S 2B1

The Director appointed for the
purposes of Part II.1 of the
Environmental Protection Act
Ministry of the Environment and
Climate Change
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 www.ebr.gov.on.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 30th day of September,
2016

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

JM/
c: District Manager, MOECC Toronto - District
Neil Chan, P.Eng., BCX Environmental Consulting
Corey Kinart, Howe Gastmeier Chapnik Ltd.

 **Appendix C.13**
SEJJ Environmental
MECP Permit(s)

Weston Heights

Compatibility & Mitigation Study

SLR Project No.: 241.30246.00000



Ministry
of the
Environment

Ministère
de
l'Environnement

PROVISIONAL CERTIFICATE OF APPROVAL
WASTE DISPOSAL SITE
NUMBER 0854-524QUQ

SEJJ Environmental Solutions Inc.
117 Toryork Drive
Toronto, Ontario
L3R 1E3

Site Location: 117 Toryork Drive, Parts 1 & 2, R.P. 64R-1492
Toronto City, Municipality Of Metropolitan Toronto

You have applied in accordance with Section 27 of the Environmental Protection Act for approval of:

a waste disposal site

to be used for the transfer/processing of the following types of waste:

100% solid non-hazardous municipal waste limited to commercial and residential construction/demolition waste

Note: Use of the site for any other type of waste is not approved under this Certificate, and requires obtaining a separate approval amending this Certificate.

For the purpose of this Provisional Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (a) "Act" means the *Environmental Protection Act*, R.S.O. 1990, C. E-19 as amended;
- (b) "Approved Waste" means municipal waste as defined in Regulation 347, but limited to non-putrescible commercial and residential construction/demolition waste;
- (c) "Certificate" means this Provisional Certificate of Approval;
- (d) "commercial" means a place of business or facilities where merchandise or services can be exchanged by the general public, including hotels, retail stores, services shops and premises, public service amusements and small workshops, and offices, including government offices and administrative offices of an institution where such offices are located beyond the area where the services of the institution are primarily delivered;
- (e) "Company" means SEJJ Environmental Solutions Inc.;
- (f) "Director" means Director, Section 39, *Environmental Protection Act*, R.S.O. 1990, C. E-19 as amended;
- (g) "District Office" means Toronto District Office, Central Region, Ontario Ministry of the Environment;
- (h) "Ministry" means the Ontario Ministry of the Environment;
- (i) "Municipality" means the City of Toronto;
- (j) "Regulation 347" means Ontario Regulation 347, R.R.O. 1990;
- (k) "residual waste" means waste arising from processing of Approved Waste at the Site and destined for final disposal;