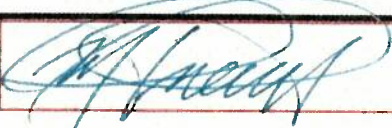


Notice of Alteration Form



Client File No. : <u>2518.00</u>		Environment Act Licence No. : 964R	
Legal name of the Licencee: 3M Canada Company			
Name of the development: 3M Canada Company			
Category and Type of development per Classes of Development Regulation: Manufacturing Manufacturing and industrial plants			
Licencee Contact Person: Mike Pinette Mailing address of the Licencee: #400 Route 100 City: Morden Province: Manitoba Postal Code: R6M 1Z9 Phone Number: (204) 822-7730 Fax: (204) 822-4181 Email: mpinette@mmm.com			
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Mike Pinette			
Phone: (204) 822-7730 Fax: (204) 822-4181		Mailing address: #400 Route 100, Morden, Mb R6M 1Z9	
Email address: mpinette@mmm.com			
Short Description of Alteration (max 90 characters): adding a smaller dedicated dust collector to reduce operation of a larger dust collector			
Alteration fee attached: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>			
If No, please explain: Does not meet the criteria for alteration fee. Improvement in operation expected.			
Date: 2019-12-05	Signature: 		
	Printed name: Mike Pinette		
<p>A complete Notice of Alteration (NoA) consists of the following components:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cover letter <input checked="" type="checkbox"/> Notice of Alteration Form <input checked="" type="checkbox"/> 2 hard copies and 1 electronic copy of the NoA detailed report (see "Information Bulletin - Alteration to Developments with Environment Act Licences") <input type="checkbox"/> \$500 Application fee, if applicable (Cheque, payable to the Minister of Finance) 		<p>Submit the complete NoA to:</p> <p>Director Environmental Approvals Branch Manitoba Sustainable Development 1007 Century Street Winnipeg, Manitoba R3H 0V8</p> <p>Formore information: Phone: (204) 945-8321 Fax: (204) 945-5229 http://www.gov.mb.ca/sd/eal</p>	
<p>Note: Per Section 14(3) of the Environment Act, Major Notices of Alteration must be filed through submission of an Environment Act Proposal Form (see "Information Bulletin – Environment Act Proposal Report Guidelines")</p>			





3M Canada Company
Compagnie 3M Canada

P.O. Box / C.P. 5757
London, Ontario N6A 4T1
519 451 2500 Telephone

Manitoba Sustainable Development
Director, Environmental Approvals Branch
1007 Century Street
Winnipeg MB R3H 0W4
Canada

December 4, 2018

Re: Notification of Proposed Minor Alteration
Site License No. 964 R
3M Canada Company, Morden, MB

Director, Environmental Approvals,

This letter is notification on a proposed minor alteration to the 3M Canada Company manufacturing facility located in Morden, Manitoba.

Pending comment from your office, 3M is currently planning to add an exhaust to outdoors from our "Minors Dedicated Dust Collector" which is responsible for supplying dust collection for minor formulation ingredient quantities added to all Scotchkote manufacturing processing lines.

The physical characteristics and conditions of the new ventilation system will be as follows: The vent will exit the Morden facility on the North wall of the facility as indicated on the attached Morden Scotchkote facility map. The discharge duct will be rectangular 15" x 8.5" and will operate at a flow rate of 1,750 SCFM (standard cubic feet per minute) with the height, at the base of the emission ductwork, at approximately 120 inches from ground level. The "Minors Dedicated Dust Collector" unit is equipped with triple filtration (pre-filter, 2" ultraweb-secondary filter and HEPA filter – 99.97% at .3 microns) meeting a MERV 15 rating. The unit is expected to run 17 minutes of every hour of production on average during peak usage.

The addition of this equipment will reduce operation of a much larger 7,000 SCFM dust collector currently tied into this minor formulation ingredient addition process as well as separate production processing equipment. By dedicating dust collectors to process equipment and minor formulation ingredient addition equipment separately, 3M expects to reduce significantly the air emitted outdoors.

This proposed change is the addition of the above mentioned ventilation stack. This addition is not expected to produce any significant impact on the local environment.

Please find enclosed a drawing of the new stack location. Should you have additional inquiries pertaining to the above, please contact me.

Sincerely,

Mike Pinette
Environment, Health, Safety Coordinator
3M Canada Company – Morden Manufacturing Facility
#400 Route 100
Morden Manitoba
R6M1Z9



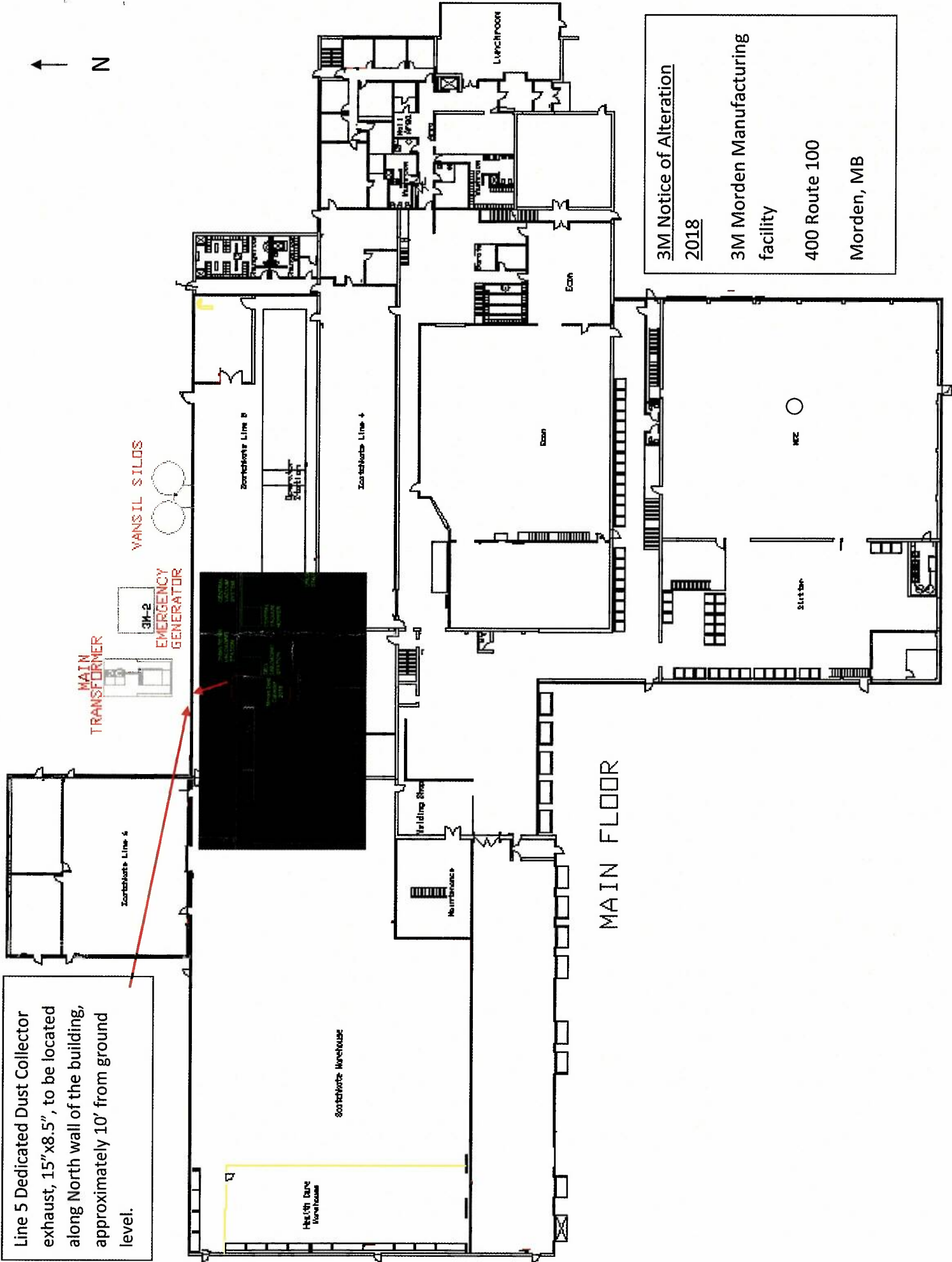
Phone: (204) 822-7730

Fax: (204) 822-4181

email: mpinette@mmm.com

cc: Tyler Kneeshaw, Regional Supervisor, Environmental Compliance and Enforcement
Dave Haines, Interim City Manager, City of Morden
Hyam Nicacio, 3M Canada Corporate Health, Safety, Environmental Manager

Line 5 Dedicated Dust Collector exhaust, 15"x8.5", to be located along North wall of the building, approximately 10' from ground level.



3M Notice of Alteration
2018
3M Morden Manufacturing
facility
400 Route 100
Morden, MB

Beshada, Eshetu (SD)

From: Mike Pinette <mpinette@mmm.com>
Sent: December-21-18 2:06 PM
To: Beshada, Eshetu (SD) <Eshetu.Beshada@gov.mb.ca>
Subject: RE: File 2518.00 3M Canada - NoA

Thank you for your email Eshetu. Hopefully I can clarify.

The dust collector system is a new add.

The actual ventilation capture points themselves inside the facility are existing, but the dust collector will be a new one. It is smaller and will vent much less air to outdoors than the current system.

The current system being used today exhausts 7,000 SCFM of air to outdoors. It is currently tied to a production process that does not run often, as well as the minor formulation ingredient batch making process, which runs every hour that any of our Scotchkote production lines are running. In many cases, the current ventilation system is started just for making minor formulation ingredient batches. Not a very efficient use of energy.

The future system will be 1,750 SCFM, and will only run when a minor formulation ingredient batch is being made, about 17 minutes per hour. The large benefit will be much less conditioned air exhausted out of the stack as well as much less energy use with this right sized system. The system itself will be triple filtered to prevent dust emissions to outdoors. The system will meet a Merv 15 rating.

If there is additional information required, please advise.
Thanks.



Mike J. Pinette CRSP | EHS Coordinator
3M IPD & IsPD Manufacturing
3M Canada Company, MOR-BRA, 400 Route 100 | Morden, Manitoba, R6M 1Z9
Office: 204 822 7730 | Fax: 204 822 2402
mpinette@mmm.com | www.3M.com



From: Beshada, Eshetu (SD) [<mailto:Eshetu.Beshada@gov.mb.ca>]
Sent: December-21-18 11:17 AM
To: Mike Pinette <mpinette@mmm.com>
Subject: [EXTERNAL] File 2518.00 3M Canada - NoA

Hello Mike,

I have received the Notice of Alteration submitted on Dec 13, 2018. I have reviewed an approval request to install a vent line for "Minor Dedicated Dust Collector". However, you have not provided whether the "Minor Dedicated Dust Collector" is a new or an existing emission control equipment. If it is a new one please provide the rationale why required and its specification.

Regards

Eshetu Beshada, PhD, P. Eng.
Environmental Engineer
Municipal and Industrial Section
Environmental Approvals Branch
Manitoba Sustainable Development
1007 Century Street
Winnipeg, MB R3H 0W4

Phone: (204) 945 7023
Fax: (204) 945 5229
E-mail: Eshetu.Beshada@gov.mb.ca

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