

REQUEST FOR APPROVAL UNDER s. 32(21) OF REGULATION 419 FOR AN ALTERNATIVE AIR STANDARD

General Information

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and the *Environmental Bill of Rights*, C. 28, Statutes of Ontario, 1993, (EBR) and will be used to evaluate requests for Approval of an Alternative Air Standard under Section 32 of Ontario Regulation 419: Air Pollution – Local Air Quality. This form must be completed with respect to all requirements listed below and in accordance with the requirements of Section 32 of Ontario Regulation 419 (O. Reg. 419) in order for it to be considered a request. The Ministry of the Environment may request additional information from the requestor during the technical review of any form accepted as complete.

1. **Requestors are responsible for ensuring that they complete the most recent request form.** Request forms and supporting documentation are available from the Environmental Assessment and Approvals Branch toll free at 1-800-461-6290 (locally at 416-314-8001), from your local District Office of the Ministry of the Environment, and in the "Publications" section of the Ministry of the Environment website at <http://www.ene.gov.on.ca/en/publications/forms/index.php#PartAir>.
2. Technical questions regarding the Alternative Air Standard process may be directed to the Standards Development Branch (SDB) at the address below. Questions regarding completion and submission of this request should be directed either Standards Development Branch or the Environmental Assessment and Approvals Branch of the Ministry of the Environment at the address below or to your local Ministry of the Environment District Office which has jurisdiction over the area where the facility is located. A list of these District Offices is available on the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/envision/org/op.htm#Reg/Dist>.
3. A complete request package consists of a completed, signed request form and all supporting information required by Ontario Regulation 419 and any additional information requested by the Ministry identified in this form and the Guidance Material.
4. Three copies of the request package must be submitted to the Ministry of the Environment.

The original should be sent to:

Ministry of the Environment
Director, O.Reg. 419/05, s.32
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario M4V 1L5
Phone: 416-314-8001
Toll Free: 1-800-461-6290
Email: EABGen@ene.gov.on.ca

A copy should be sent to:

Ministry of the Environment
Director, O.Reg. 419/05, s.32
Standards Development Branch
40 St. Clair Avenue West, 7th Floor
Toronto, Ontario M4V 1M2
Phone : 416-327-5519
Email: SDB-REG419@ontario.ca

A copy of this request package must also be sent to the local District Office that has jurisdiction over the area where the facilities are located.

5. Information contained in this application form is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry of the Environment may make the information available to the public without further notice to you. For more information, please refer to Section 2.10.1 of Guideline A-12: Guideline for the Implementation of Air Standards in Ontario (GIASO).

Instructions

This form should be used to request an alternative air standard in accordance with the O. Reg. 419 and should be accompanied by a description of the circumstances surrounding this request. In accordance with s. 32(21), a person who cannot comply with provincial air standard(s) within the phase-in period(s) may be eligible to request an alternative air standard under section 32 of O. Reg. 419. An alternative air standard is a site-specific standard that, if approved, replaces the standard in Schedule 3 as the compliance point for a facility for a period of up to five years (10 years in extenuating circumstances).

For more information about the Alternative Air Standards process, please refer to the "Guide for Requesting An Alternative Air Standard" (GRAAS); Section 32 of O. Reg. 419; and the "Guideline A-12: Guideline for the Implementation of Air Standards in Ontario" (GIASO). These documents and other related publications are available on the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/en/publications/forms/index.php#PartAir>.

Note: Pre-submission consultation with Standards Development Branch will be required for facilities that are requesting an alternative air standard.

Regulatory Authority

Subsection 32(21) of Ontario Regulation 419/05 states:

- 32. (21)** The Director may approve a request under subsection (1) to alter a standard set out in Schedule 3 if,
- (a) the person making the request has complied with this section; and
 - (b) the Director is of the opinion that,
 - (i) the person making the request cannot comply with section 20 with respect to the standard set out in Schedule 3 for the contaminant because,
 - (A) it is not technically feasible for the person to comply, in the case of a person who is relying on any paragraph of subsection (1), or
 - (B) it is not economically feasible for the person to comply, in the case of a person who is relying on a paragraph of subsection (1) other than paragraph 4,
 - (ii) the failures to comply referred to in subclause (i) would not be frequent,
 - (iii) the alteration of the standard is the minimum alteration necessary to enable the person to comply with section 20 with respect to the contaminant, and
 - (iv) there is no public interest reason sufficient to require the denial of the request. O. Reg. 419/05, s. 32 (21).

1. Requestor Information (Owner of works/facility)

Requestor Name (legal name of individual or organization as evidenced by legal documents)		Business Identification Number
Owens Corning Composite Materials Canada LP		
Business Name (the name under which the entity is operating or trading if different from the Requestor Name - also referred to as trade name)		
Owens Corning Guelph Glass Plant		
Requestor Type:		North American Industry Classification System (NAICS) Code
<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Federal Government	327214 - Glass Manufacturing
<input type="checkbox"/> Individual	<input type="checkbox"/> Municipal Government	
<input type="checkbox"/> Partnership	<input type="checkbox"/> Provincial Government	
<input type="checkbox"/> Sole Proprietor	<input type="checkbox"/> Other (describe):	
Business Activity Description (a description of the business endeavour, this should include products sold, services provided or machinery/equipment used, etc.)		
Manufacturing of textile glass and glass fiber for reinforcement products		

2. Requestor Physical Address

Civic Address- Street information (address that has civic numbering and street information includes street number, name, type and direction)		Unit Identifier (i.e. suite or apartment number)		
247 York Road				
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory. Not required if Street Information is provided)				
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan		
Lot	Conc.	Part	Reference Plan	
Municipality/Unorganized Township	County/District	Province/State	Country	Postal Code
Guelph	Wellington	Ontario	Canada	N1H 6P6

3. Site Information - (location where activity/works applied for is to take place)

Site Name		MOE District Office			
Guelph Glass Plant		Guelph District Office			
Address Information:					
Same as Requestor Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, please provide site address information below)					
Site Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)		Unit Identifier (i.e. suite or apartment number)			
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan			
Lot	Conc.	Part	Reference Plan		
Non Address Information (includes any additional information to clarify requestor's physical location)					
Municipality/Unorganized Township		County/District	Postal Code		
Geo Reference (mandatory)					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
NAD 83	17	+/- 50m	Google Earth	562010m E	4821673m N

4. Project Technical Information Contact

Name		Company		
Penny McInnis		LEHDER Environmental Services Ltd.		
Address Information:				
Same as Requestor Physical Address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (If no, please provide technical information contact address information below)				
Civic Address - Street information (address that has civic numbering and street information includes street number, name, type and direction)		Unit Identifier (i.e. suite or apartment number)		
704 Mara Street		Suite 210		
Delivery Designator: If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)				
Municipality	Postal Station	Province/State	Country	Postal Code
Point Edward		Ontario	Canada	N7V 1X4
Telephone Number (including area code & extension)		Fax Number (including area code)		E-mail Address
(519) 336-4101 ext. 245		(519) 336-4101		pmcinnis@lehder.com

5. Project Information

Type of Request:		
<input checked="" type="checkbox"/> Initial Request for Approval of Alternative Air Standard <input type="checkbox"/> Request to Amend Existing Alternative Air Standard		
Current Alternative Air Standard Reference Number(s) (Please attach a separate list if more space is required)	Current Alternative Air Standard Date(s) of Issue (yyyy/mm/dd)	Current Expiry Date(s) for Alternative Air Standard(s) (yyyy/mm/dd)
Summary of Basis for Requesting An Alternative Air Standard <i>(This summary will be used in the EBR posting notice. Please attach a separate summary if more space is required.)</i> See attached description.		
Contaminant Name(s) and CAS Number(s) that is (are) the subject of the Request for an Approval of an Alternative Air Standard: Hexavalent Chromium (CAS number 18540-29-9)		
<u>Reason(s) for Request for an Alternative Air Standard:</u>		
Is the facility affected by the mandatory use of an approved dispersion model (in accordance with section 6 of O.Reg. 419/05)?		
<input type="checkbox"/> Yes (If yes, identify the date that the advanced air dispersion models are required to be used (yyyy/mm/dd))		
<input checked="" type="checkbox"/> No		
Is the facility affected by the implementation of air standard(s) included in Schedule 7?		
<input checked="" type="checkbox"/> Yes (If yes, identify the date(s) that the new air standard(s) comes into force (yyyy/mm/dd)) July 1, 2016		
<input type="checkbox"/> No		
Please identify the time frame when the facility is eligible to make a Request for an Alternative Air Standard (yyyy/mm/dd – yyyy/mm/dd):		
The facility is eligible to make a request for a site specific standard up to 2015/04/01		
<u>Other Supporting Information:</u>		
Was the site-specific meteorological data approved prior to completing the Emission Summary and Dispersion Modelling (ESDM) Report (in accordance with O.Reg. 419/05 s.13(1))?		
<input checked="" type="checkbox"/> Yes (If yes, please attach a copy of the Ministry's Acceptance Letter) See Appendix I of the ESDMR		
<input type="checkbox"/> No (If no, please provide reason)		
Was Source Testing done in support of the ESDM Report? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
If yes, was the Source Testing Pre-Test Plan approved prior to completing the Source Testing (in accordance with O.Reg. 419 s.11(1)2)?		
<input checked="" type="checkbox"/> Yes (If yes, please attach a copy of the Ministry's Acceptance Letter) See Appendix O and Q of the ESDMR		
<input type="checkbox"/> No (If no, please provide reason)		
Was specific criteria developed for the assessment of negligible source(s) under Chapter 7.3 of the Procedure for Preparing an Emission Summary and Dispersion Modelling Report?		
<input type="checkbox"/> Yes (If yes, please attach a copy of the Ministry's Acceptance Letter)		
<input checked="" type="checkbox"/> No		
Was the Modelling/Monitoring Plan approved by the Ministry (in accordance with O.Reg. 419/05 s.11(1)3)?		
<input checked="" type="checkbox"/> Yes (If yes, please attach a copy of the Ministry's Acceptance Letter) See Appendix P of the ESDMR		
<input type="checkbox"/> No (If no, please provide reason)		
Has an application for a Certificate of Approval under s.9 of the Environmental Protection Act for the necessary process modifications identified in the Action Plan been submitted to the Ministry?		
<input type="checkbox"/> Yes (If yes, please provide the Ministry Reference Number)		
<input checked="" type="checkbox"/> No		

6. Public Consultation/NotificationSeparate list attached? ☒ Yes ☐ No

Specify all public consultation/notification activities (such as public meetings, notification of First Nations, etc.) related to the project that have been completed or are in the process of being completed. Please attach a separate list describing each of these consultation activities and the results achieved. The summary of comments must be in the Public Consultation Report (see below).

Public consultation was performed including two public consultation sessions held on March 5, 2015. Newspaper notifications, and direct mailings were completed in accordance with the requirements in the Regulation. Details of the public consultation are included in the Public Consultation Report in this application.

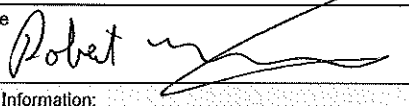
7. List of Attachments - This is a list of all supporting information to this application and is subject to the Freedom of Information and Privacy Protection Act and the Environmental Bill of Rights.

Attachment	Attached	Reference	Can be disclosed
Pre-submission Requirements			
Ministry's Acceptance Letter for Site-Specific Meteorological Data	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ESDMR Appendix I	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Ministry's Acceptance Letter for Source Testing Pre-Test Plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ESDMR Appendix Q	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Ministry's Acceptance Letter for Specific Criteria developed for the assessment of negligible source(s) under Chapter 7.3 of the ESDM Procedure Document.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not applicable	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Ministry's Acceptance Letter for Modelling/Monitoring Plan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ESDMR Appendix P	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Information Supporting Alternative Standard Request			
Emission Summary and Dispersion Modelling (ESDM) Report in accordance with s.32 O. Reg. 419/05	<input checked="" type="checkbox"/> Yes	Appendix Q of ESDMR is confidential	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Technology Benchmarking Report	<input checked="" type="checkbox"/> Yes	Appendix E of Tech Benchmarking is confidential	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Economic Feasibility Report (Optional)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Appendix A of Economic Feasibility is confidential	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Action Plan	<input checked="" type="checkbox"/> Yes		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Public Consultation Report	<input checked="" type="checkbox"/> Yes	Appendices D and G of Public Consultation Report are confidential	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Risk Scoring (Optional)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

8. Statement of Requestor

I, the undersigned hereby declare that, to the best of my knowledge:

- The information contained herein and the information submitted in support of this request is complete and accurate in every way, and I am aware of the penalties against providing false information as per s.184(2) of the *Environmental Protection Act*.
- The Project Technical Information Contact identified in Part 4 of this form is authorized to act on my behalf for the purpose of obtaining approval for an Alternative Air Standard under Section 32 of O. Reg. 419/05 for the equipment/processes identified herein.
- I have used the most recent request form (as obtained from the Ministry of the Environment Internet site at <http://www.ene.gov.on.ca/envision/qo/index.htm#PartAir> or the Environmental Assessment and Approvals Branch at 1-800-461-6290) and I have included all necessary information required by O.Reg. 419/05, identified on this form and in the Guidance Material.

Name of Signing Authority (please print)		Title	
Robert D. Nixon		Engineering Leader	
Signature 		Date (yyyy/mm/dd) 2015/03/30	
Address Information:			
Same as Requestor Physical Address? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (If no, please provide signing authority mailing address information below)			
Civic Address - Street Information (address that has civic numbering and street information includes street number, name, type and direction)			Unit Identifier (i.e. suite or apartment number)
Delivery Designator: If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery (i.e., RR#3)			
Municipality	Postal Station	Province/State	Country
Telephone Number (including area code & extension) (519) 823-7219		Fax Number (including area code) (519) 823-7204	
		E-mail Address Robert.D.Nixon@owenscorning.com	

Description of Request

The Owens Corning Guelph Glass facility is requesting a site specific annual standard for hexavalent chromium under Section 32 of Ontario Regulation 419/05: Air Pollution – Local Air Quality (O. Reg. 419/05). The facility is located at 247 York Road, Guelph, Ontario in the Township of Guelph/Eramosa and Wellington County.

The facility produces textile glass yarn and fiberglass for reinforcements for commercial and industrial markets worldwide. This facility is the sole producer of fiberglass for reinforcements in Ontario and Canada and has been operating in Guelph since 1951.

Ontario provincial air standards (established by O.Reg. 419/05) are based on scientific data and risk assessments. On July 1, 2016, a new hexavalent chromium air standard will come into effect. The future standard has been set at 0.00014 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) on an annual average basis. Due to technical and economic limitations Owens Corning is unable to achieve this level of reduction by July 1, 2016. However, Owens Corning is committed to reducing POI concentrations of hexavalent chromium, and has selected a combination of options for implementation that are expected to reduce the predicted off-site POI concentration more than 85% by the middle of 2016.

Owens Corning is requesting a site specific annual hexavalent chromium standard of $0.0024 \mu\text{g}/\text{m}^3$ for a duration of 10 years to reflect the investment and operation cycle of the furnace which dictates the next available opportunity to install new reduction technologies.