

**Approval for Site-specific Standards Issued
Pursuant to s.35(1) of O. Reg. 419/05**

Approval Number: 7705-DG7JAE

Reference Number: 8688-DG6QJJ

Issue Date: XX XX, 20XX

Expiry Date: December 31, 2031

Site-specific Standard Issued to: Owens Corning Composite Materials Canada GP Inc.,
as general partner for and on behalf of Owens Corning Composite Materials Canada LP
247 York Road
Guelph, Ontario
N1E 3G4

Site Location: Owens Corning Guelph Glass Plant
247 York Road
Guelph City, County of Wellington

DEFINITIONS - TERMS

For the purpose of this site-specific standard approval for Chromium Compounds (Hexavalent), the following definitions apply:

- (1) "Action Plan" means the document entitled "Attachment 5 Action Plan", dated March 27, 2025 submitted by the Company as part of its Request. The Action Plan includes but is not limited to the items summarized in Appendix 1 of this Approval, and Appendix 1 also includes the anticipated completion dates for these items.
- (2) "Approval" means this site-specific standard approval (Approval Number 7705-DG7JAE), reference number 8688-DG6QJJ issued XX XX, 202X.
- (3) "Chromium Compounds (Hexavalent)" means the contaminant identified by the Chemical Abstract Number 18540-29-9.
- (4) "Company" means Owens Corning Composite Materials Canada GP Inc., as general partner for and on behalf of Owens Corning Composite Materials Canada LP and includes any successors and assigns in accordance with section 19 of the EPA.
- (5) "Director" means a public servant who works in the Ministry and is appointed pursuant to section 5 of the EPA for the purpose of section 35 of the Regulation.
- (6) "EPA" means the Environmental Protection Act, R.S.O. 1990, c. E.19, as amended from time to time.
- (7) "Facility" means the Company facility referred to as Owens Corning Guelph Glass Plant and located at 247 York Road, Guelph, Ontario.

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- (8) “Ministry” means the Ontario Ministry of the Environment, Conservation and Parks.
- (9) “Ministry Review Report” means the report, dated XX XX, 20XX that provides a written review by Ministry staff of the Request by the Company for a site-specific standard for Chromium Compounds (Hexavalent) for an annual averaging period.
- (10) “POI” means point of impingement and has the same definition as section 2 of the Regulation.
- (11) “Regulation” means Ontario Regulation 419/05: Air Pollution – Local Air Quality made under the EPA.
- (12) “Request” means the request made under section 32 of the Regulation dated March 25, 2025 and all additional supporting information, submitted by the Company with respect to the Chromium Compounds (Hexavalent) annual averaging period standard listed in Schedule 3 of the Regulation and includes,
- i. the request document signed by Jeff Taylor;
 - ii. an Emission Summary and Dispersion Modelling Report;
 - iii. a Technology Benchmarking Report;
 - iv. a Public Consultation Report;
 - v. the Action Plan; and
 - vi. the additional supporting documents provided on September 12, 2025 and October 14, 2025.

GROUNDS FOR APPROVAL

In accordance with section 35 of the Regulation,

A. I, the Director, am satisfied that:

1. The Request is consistent with subsection 32(1), paragraph 8.1 of the Regulation.
2. The requirements of section 32 of the Regulation have been met.
3. The Request satisfies the requirements of section 33 and other relevant portions of the Regulation.
4. Pursuant to subsection 34 (1.1) of the Regulation, the Company was not required to hold a public meeting or comply with subsections 34 (2) to (4). Nevertheless, the Company conducted a public information session with respect to the Request.

B. Based on the above conclusions and the information that I have reviewed, including the Request, the Ministry Review Report, the Facility description in the Request and various interactions with the Company, I am of the opinion that:

1. The Company cannot comply with section 20 of the Regulation with respect to the Chromium Compounds (Hexavalent) standard of 0.00014 micrograms per cubic metre over an annual averaging period in Schedule 3 of the Regulation because it is not technically feasible for the

Company to comply.

2. For each applicable time period set out in Table 1 below, the site-specific standard for Chromium Compounds (Hexavalent), set out in Table 1 below for the time period, is the minimum difference necessary to enable the Company to comply with section 20 of the Regulation.
3. The end date for the Approval is appropriate having considered the following:
 - a. The nature of Chromium Compounds (Hexavalent);
 - b. The frequency with which the inability to comply with section 20 referred to in subclause 35 (1)(b)(i) of the Regulation would occur; and,
 - c. Whether there are any acute effects associated with Chromium Compounds (Hexavalent).
4. There is no public interest reason sufficient to require denial of the Request.
5. For each applicable time period set out in Table 1 below, the site-specific Chromium Compounds (Hexavalent) standard is not likely to permit discharges of the contaminant that too frequently result in the concentration of the contaminant at a POI located on a place referred to in subsection 30(8) of the Regulation exceeding the other time period upper risk threshold set out for the contaminant in Schedule 6 of the Regulation.
6. Compliance with this Approval will result in a reduction to the maximum POI concentration of Chromium Compounds (Hexavalent).

C. The Company was provided a draft copy of the Approval on March 12, 2026 and was provided an opportunity to make written submissions to the Director during the period that ended 30 days after the draft was given.

SITE-SPECIFIC STANDARD APPROVED

Pursuant to s.35 (1), (4), (4.1) and (5) of the Regulation, with respect to discharges from the Facility, references in the Regulation to a standard set out in Schedule 3 for Chromium Compounds (Hexavalent) shall be deemed, for each applicable time period set out in Table 1, to be references to the corresponding site-specific standard set out in Table 1 for the averaging period set out in Table 1.

Table 1: Site-Specific Standard for the Facility

Contaminant	Contaminant Chemical Abstracts Service No.	Applicable Time Period	Site- specific Standard (µg/m ³)	Site-specific Standard Averaging Period
Chromium Compounds (Hexavalent)	18540-29-9	From July 1, 2026 to December 31, 2026	0.00133	Annual
Chromium Compounds (Hexavalent)	18540-29-9	From January 1, 2027 to December 31, 2027	0.00084	Annual
Chromium Compounds (Hexavalent)	18540-29-9	From January 1, 2028 to December 31, 2031	0.00069	Annual

EXPIRY

In accordance with subsection 35 (9) of the Regulation, this Approval shall expire on December 31, 2031 after which the standard set out in Schedule 3 to the Regulation for the annual averaging period will apply to discharges of Chromium Compounds (Hexavalent) from the Facility.

The above noted Request is approved under Section 35 of the Regulation.

This Approval is issued this XXth day of XX 202X.

XXXXXXXXXX
 Director, Section 35, O. Reg. 419/05
 Air Policy and Programs Branch

Appendix 1: Summary of Action Plan Items

Item	Action	Details	Anticipated Completion Date
1	Re-engineer the Forehearth Stack (Source B38)	Install additional fan to increase the total flow to 11 m ³ /s (having an exhaust velocity of 25 m/s)	December 31, 2026
2	Re-engineer the Forehearth Stack (Source B38)	Increase stack height (e.g. from 28 to 32 metres above), if necessary Modify stack flowrate, if necessary	December 31, 2027
	Re-engineer the Glass Melting Furnace Stacks (Source B24 and Source B25)	Install additional fans to increase the total flow of each stack (e.g., increased stack flowrate of 5.13 m ³ /s, having an increased exhaust velocity of 60 m/s) Increase stack height, if necessary	
3	Continue to review the technical feasibility and potential effectiveness of electrostatic precipitator and dust collector technologies		December 31, 2031