Ministry of the Environment, Conservation and Parks

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Ontario

Approval for Site-specific Standards Issued Pursuant to s.35(1) of O. Reg. 419/05
Approval Number: 1305-DW6JNG
Reference Number: 1154-DFLQ39
Issue Date: XX XX, 20XX
Expiry Date: January 31, 2037

Site-specific Standard Issued to:	Oxy Vinyls Canada Co. 8800 Thorold Townline Road Niagara Falls, Ontario L2E 6V9
Site Location:	8800 Thorold Townline Road Niagara Falls, Ontario

DEFINITIONS - TERMS

For the purpose of this site-specific standard approval for Vinyl Chloride, the following definitions apply:

(1) "Action Plan" means the document entitled "Action Plan", dated October 28, 2025, and an addendum dated June 25, 2026 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 1305-DW6JNG), reference number 1154-DFLQ39 issued XX XX, 2026.

(3) "Company" means Oxy Vinyls Canada Co.

(4) "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.

(5) "District Manager" means the District Manager of the Ministry's Niagara District Office.

(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 Oxy Vinyls Canada Co. and located at 8800 Thorold Townline Road, Niagara Falls, Ontario.

(8) "Ministry" means the Ontario Ministry of the Environment, Conservation and Parks.

(9) "Ministry Review Report" means the report, dated September 17, 2026 that provides a written review by Ministry staff of the Request by the Company for a site-specific standard for Vinyl Chloride for a 24-hour 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 Environmental Protection Act (EPA).

(12) "Request" means the request made under section 32 of the Regulation dated October 28, 2025 and all additional supporting information, submitted by the Company with respect to the Vinyl Chloride 24-hour averaging period standard listed in Schedule 3 of the Regulation and includes,

i. Letter, dated October 28, 2025, from Jane Perz, P. Eng., of the Company to Director, Local Air Quality Regulation s.35.
ii. The request form dated October 24, 2025, and signed by Jane Perz, environmental engineer of the Company.
iii. The Emission Summary and Dispersion Modelling report dated October 28, 2025, signed by Jane Perz, Environmental Engineer of the Company.
iv. Letter, dated October 28, 2025, from Jane Perz, P.Eng. that outlines the Company's Technology Benchmarking Report review and attachments.
v. Letter, dated October 28, 2025, from Jane Perz, P.Eng. that outlines the Company's Action Plan.
vi. Public Consultation Notice, from Jane Perz, P.Eng., and
vii. Additional supporting documents provided on January 27, 2026, April 20, 2026, and June 25, 2026.

(13) "Vinyl Chloride" means the contaminant identified by the Chemical Abstracts Service (CAS) number 75-01-4.

(14) "Vinyl Chloride Exhaust Stack Scrubber Unit" means the air pollution control equipment described in the Action Plan installed and operated to control emissions of Vinyl Chloride from the VCM railcar unloading exhaust system identified in the Vinyl Chloride Site-Specific Standard Request

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.

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) because the Request relates to a contaminant for which a site-specific standard is already in effect. Nevertheless, the Company conducted a public information session with respect to the Request, and the

Director did not require an additional public meeting under section 34.1 of the Regulation.

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 Vinyl Chloride standard of 1 microgram per cubic metre over a 24-hour averaging period in Schedule 3 of the Regulation because it is not technically feasible for the Company to comply.

2. The site-specific Vinyl Chloride standard, as set out in Table 1 below, 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 Vinyl Chloride;
    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 Vinyl Chloride.

4. The site-specific Vinyl Chloride standard, as set out in Table 1 below, 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.

5. There is no public interest reason sufficient to require denial of the Request.

6. Compliance with this Approval will result in improvements to reduce discharges to air.

C. The Company was provided a draft copy of the Approval on September 15, 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 Vinyl Chloride shall be deemed to be references to the 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 ($\mu g/m^3$)	Site-specific Standard Averaging Period
Vinyl Chloride	75-01-4	From February 2, 2027 to January 31, 2037	27	24-hour

EXPIRY

In accordance with subsection 35 (9) of the Regulation, this Approval shall expire on January 31, 2037, after which the standard set out in Schedule 3 to the Regulation for the 24-hour averaging period will apply to discharges of Vinyl Chloride 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.

_____

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

Appendix 1: Summary of Action Plan Items

Action	Details	Anticipated Completion Date
VCM Exhaust Stack Scrubber Unit	Project Design & Engineering	From July 1, 2026 to September 30, 2027
	Scrubber Installation	From April 1, 2028 to September 30, 2029
	Equipment Commissioning and Operation	By December 31, 2030
Expansion of the VCM Unloading Ambient Air Monitoring Network	Mass Spectrometer Integration with existing Distributed Control System (DCS)	From January 1, 2026 to June 30, 2027
	Expanded Network	From April 1, 2027 to September 30, 2027
	Installation and Operation of Expanded Network	From April 1, 2028 to September 30, 2028
VCM Rail Car (RC) Screening	Contractor RC Screening Plan Development	From October 1, 2026 to December 31, 2026
	Contractor RC Screening Plan Implementation	From January 1, 2027 to December 31, 2027
	Long-term Screening Design & Engineering Evaluation	From April 1, 2028 to September 30, 2028
	Long-term Screening Design & Engineering Implementation	From April 1, 2029 to September 30, 2029
Wastewater Treatment Resin Screening	Project Scope Evaluation	From July 1, 2027 to December 31, 2027
	Project Design & Engineering	From January 1, 2029 to December 31, 2029
	Project Installation	From April 1, 2030 to September 30, 2030
	Equipment Commissioning and Operation	From January 1, 2031 to December 31, 2031