



Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

**Approval for Registration in the “Technical Standards Registry – Air Pollution”
(Industry Standard) Issued Pursuant to s.39(3) of O. Reg. 419/05 made under
the Environmental Protection Act, R.S.O. 1990, as amended**

REGISTRATION NUMBER: 302-25-393-rv0
Reference Number: 7670-D77G2N
Issue Date: November 17, 2025

Applicant: Kubota Materials Canada Corporation
25 Commerce Road
Orillia, Ontario
L3V 6L6

Contact person: Leah Chiddenton, Environmental Technologist

Site Location: Kubota Materials Canada Corporation
25 Commerce Road
Orillia, Ontario
L3V 6L6

DEFINITIONS

For the purposes of this Approval,

“Facility” means the Kubota Materials Canada Corporation operation located at 25 Commerce Road, Orillia, Ontario;

“NAICS” has the same meaning as in section 1 of O. Reg. 419/05;

“Registered Contaminants” means contaminants listed in Appendix A; and

“O. Reg. 419/05” means Ontario Regulation 419/05: Air Pollution – Local Air Quality, made under the Environmental Protection Act as it may be amended from time to time.

REGISTRATION INFORMATION

You have applied in accordance with subsection 39(1)(a) of O. Reg. 419/05 for registration in the Ministry’s Technical Standards Registry – Air Pollution in respect of:

- i. Foundries – Industry Standard as set out in the Ministry Publication "Technical Standards to Manage Air Pollution", Version 7.0, October 27, 2020 (as amended);
- ii. the Facility; and
- iii. the Registered Contaminants.

GROUNDS FOR APPROVAL OF REGISTRATION

A. I, the Director, am satisfied that:

- 1. The applicant has submitted a completed application for registration dated June 18, 2024 signed by Leah Chiddenton, Environmental Technologist and this application was in a form approved by the Director.
- 2. The information submitted in the application is accurate, to the best of my knowledge.
- 3. The Foundries – Industry Standard applies to the Facility since it manufactures steel alloy castings and is part of a class identified by the NAICS code 331514.
- 4. The Foundries – Industry Standard applies to the Registered Contaminants.
- 5. The Foundries – Industry Standard contains requirements that relate to at least one source of contaminant in the Facility, namely, metal melting process.
- 6. There are no provisions in the Foundries – Industry Standard that deal with notification of and consultation with affected persons before making an application for registration.
- 7. There were no requirements to notify and consult affected persons imposed under subsection 39(5).
- 8. Any adverse effect that may be caused by discharges of the Registered Contaminant from the Facility into the air will be better prevented, eliminated or ameliorated if the Facility and the Registered Contaminants are registered to the Foundries – Industry Standard.
- 9. There is no other industry standard that applies to the Facility and the Registered Contaminants that, in my opinion, would be more appropriate.
- 10. Based on the public consultation conducted including a posting on the Environmental Registry under the Environmental Bill of Rights, I am of the opinion that there is no public interest reason sufficient to refuse approval of the application.

B. Based on the above conclusions and pursuant to the authority under subsection 39(3) of O. Reg. 419/05, I approve the registration of the Facility in the Ministry's Technical Standards Registry – Air Pollution with respect to the Registered Contaminants for the following industry standard:

- Foundries – Industry Standard as described in the Ministry Publication "Technical Standards to Manage Air Pollution", Version 7.0, October 27, 2020 (as amended)

DATED AT London this 17th day of November 2025



Dan McDonald, Director
Section 39, O. Reg. 419/05

cc: Jeff Burdon, Manager, Local Air Quality Permits, Air Policy and Programs Branch
Nancy Orpana, Manager, Air Approvals, Environmental Permissions Branch
Chris Hyde, Manager, Barrie District Office, Central Region, DWECD

APPENDIX A – Registered Contaminants

Contaminant	CAS Number	Contaminant	CAS Number
Aluminum [And Other Compounds]	7429-90-5	Niobium [And Other Compounds]	7440-03-1
Aluminum Oxide	1344-28-1	Nitrates	14797-55-8
Aluminum Tristearate	637-12-7	Organic Carbon	
Antimony [And Other Compounds]	7440-36-0	Oxirane, 2,2'-(1-Methylethylidene) Bis(4, 1-Phenyleneoxymethylene)]Bis-, Homopolymer	25085-99-8
Arsenic And Compounds	7440-38-2	2-Propanamine, N,N-Dimethyl-	996-35-0
Barium [And Other Compounds]	7440-39-3	2-Propenoic Acid, Polymer With Ethyl 2-Propenoate And Isooctyl 2-Propenoate	68540-66-9
Barium Chloride (BaCl ₂)	10361-37-2	Palladium[And Other Compounds]	7440-05-3
Bentonite	1302-78-9	Phenol-Formaldehyde Resin	9003-35-4
Benzene, 1-Isocyanato-2-[(4-Isocyanatophenyl)Methyl]-	5873-54-1	Phosphorus	7723-14-0
Beryllium And Compounds	7440-41-7	Pigment Blue 15	147-14-8
Bismuth [And Other Compounds]	7440-69-9	Platinum [And Other Compounds]	7440-06-4
Borate(1-), Tetrafluoro-, Potassium	14075-53-7	Poly(Difluoromethylene), A-(Cyclohexylmethyl)-O-Hydro-	65530-85-0
Borax	1303-96-4	Polydimethylsiloxanes	63148-62-9
Boron	7440-42-8	Potassium [And Other Compounds]	7440-09-7
Bromine	7726-95-6	Potassium Chloride (KCl)	7447-40-7
C.I. Pigment Green 7	1328-53-6	Potassium Cyanide	151-50-8
Cadmium And Cadmium Compounds	7440-43-9	Potassium Hydroxide	1310-58-3
Calcium [And Other Compounds]	7440-70-2	Potassium Nitrate	7757-79-1
Calcium Carbide	75-20-7	Potassium Oxide (K ₂ O)	12136-45-7
Calcium Carbonate	471-34-1	Quaternary Ammonium Compounds, Benzyl(Hydrogenated Tallow Alkyl)Dimethyl, Chlorides, Compds. With Hectorite	71011-26-2
Calcium Chloride Anhydrous	10043-52-4	Resorcinol	108-46-3
Calcium Cyanide (As Total Salt)	592-01-8	Rhodium [And Other Compounds]	7440-16-6
Calcium Fluoride (CaF ₂)	7789-75-5	Rosin	8050-09-7
Calcium Hydroxide	1305-62-0	Rubidium [And Other Compounds]	7440-17-7
Calcium Oxide	1305-78-8	Scandium [And Other Compounds]	7440-20-2
Calcium Stearate	1592-23-0	Selenium [And Other Compounds]	7782-49-2
Carbon	7440-44-0	Silica - Respirable (<10 µm Diameter), Cristobolite	14464-46-1
Carbon Black	1333-86-4	Silica - Respirable (<10 µm Diameter), Quartz	14808-60-7

Chlorine	7782-50-5	Silicate(2-), Hexafluoro-, Disodium	16893-85-9
Chromium And Chromium Compounds (Metallic, Divalent And Trivalent)	7440-47-3	Silicic Acid, Potassium Salt	1312-76-1
Chromium Compounds (Hexavalent)	7440-47-3	Silicic Acid, Sodium Salt	1344-09-8
Cobalt [And Other Compounds]	7440-48-4	Silicon	7440-21-330 194, 12597-37-40
Coke (Coal)	65996-77-2	Silicon Dioxide	7631-86-9
Copper [And Other Compounds]	7440-50-8	Silver [And Other Compounds]	7440-22-4
Cumene Hydroperoxide	80-15-9	Sodium [And Other Compounds]	7440-23-5
Decanedioic Acid, Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Ester	41556-26-7	Sodium Carbonate	497-19-8
Ferric Oxide	1309-37-1	Sodium Hydroxide	1310-73-2
Gallium [And Other Compounds]	7440-55-3	Sodium Monoxide	12401-86-4
Graphite	7782-42-5	Sodium Nitrate	7631-99-4
Hdi Polyisocyanate (Hdi-Bt & Hdi- le)	28182-81-2	Sodium Oxide (Na ₂ O)	1313-59-3
Hydrated Silica	112926-00-8	Sodium Tetraborate	1330-43-4
Indium [And Other Compounds]	7440-74-6	Strontium [And Other Compounds]	7440-24-6
Iron [And Other Compounds]	7439-89-6	Strontium Hydroxide	18480-07-4
Iron ion, Fe+2	15438-31-0	Strontium Oxide	1314-11-0
Iron Oxide (Fe ₃ O ₄)	1317-61-9	Sulfur, Elemental	7704-34-9
Lanthanum	7439-91-0	Sulphates	
Lead And Lead Compounds	7439-92-1	Suspended Particulate Matter (< 44 µm Diameter)	
Magnesium [And Other Compounds] (excluding Magnesium Carbonate, Magnesium Chloride, Magnesium Oxide, and Magnesium Stearate)	7439-95-4	Synthetic Amorphous Silica	112945-52-5
Magnesium Carbonate	546-93-0	Talc - Fibrous	14807-96-6
Magnesium Chloride	7786-30-3	Tantalum [And Other Compounds]	7440-25-7
Magnesium Oxide	1309-48-4	Thallium [And Other Compounds]	7440-28-0
Magnesium Stearate	557-04-0	Tin [And Other Compounds]	7440-31-5
Manganese And Manganese Compounds	7439-96-5	Titanium [And Other Compounds]	7440-32-6
Mercury (As Hg) - Alkyl Compounds	7439-97-6	Titanium Dioxide	13463-67-7
Mercury (Hg) [And Other Compounds]	7439-97-6	Vanadium [And Other Compounds]	7440-62-2
Mica	12001-26-2	Yttrium [And Other Compounds]	7440-65-5
Molybdenum [And Other Compounds]	7439-98-7	Zinc [And Other Compounds]	7440-66-6
Mullite (Al ₆ O ₅ (SiO ₄) ₂)	1302-93-8	Zinc Chloride	7646-85-7

N-(3-Trimethoxysilylpropyl)-Ethylenediamine	1760-24-3	Zinc Stearate	557-05-1
Naphtha (Petroleum), Light Steam-Cracked Arom., C5-12 Cycloalkadiene Fraction, Polymers	68527-24-2	Zircon (Zr(SiO ₄))	14940-68-2
Neodymium [And Other Compounds]	7440-00-8	Zirconium [And Other Compounds]	7440-67-7
Nickel And Nickel Compounds	7440-02-0	Zirconium Oxide (ZrO ₂)	1314-23-4