
**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: 401-12-393-rv1
Reference Number: 8842-ASJJ9M
Issue Date: March 5th, 2020

Applicant: ESCO Limited
185 Hope Street South
Port Hope, Ontario
L1A 3W4

Contact person: Pat Hannigan, Site Manager

Site Location: ESCO Limited
185 Hope Street South
Port Hope, Ontario
L1A 3W4

DEFINITIONS

For the purposes of this Approval,

“Facility” means the ESCO Limited operation located at 185 Hope Street South, Port Hope, 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 6.0, March 22, 2018 (as amended);
- ii. the Facility; and
- iii. the Registered Contaminants.

GROUND FOR APPROVAL OF REGISTRATION

A. I, the Director, am satisfied that:

1. The applicant has submitted a completed application for registration dated September 18, 2017 signed by Pat Hannigan, Site Manager 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 is a ferrous foundry producing a range of steel castings for the mining, recycling and construction industries and is part of a class identified by the NAICS code 331514 steel foundries.
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 6.0, March 22, 2018 (as amended)

DATED AT TORONTO this 5th day of March 2020

"Originally Signed By"

Heather Malcolmson, Director
Section 39, O. Reg. 419/05

- c: Jeffrey McKerrall, Manager, Environmental Assessment and Permissions Branch
David Bradley, Manager, Peterborough District Office

APPENDIX A – Registered Contaminants

Contaminant Name	C.A.S. #	Contaminant Name	C.A.S. #
Contaminants Registered under Foundries - Industry Standard Approval Registration No. 401-12-393-rv0			
Aluminum [And Other Compounds]	7429-90-5	Nickel And Nickel Compounds	7440-02-0
Antimony [And Other Compounds]	7440-36-0	Nitrates	14797-55-8
Arsenic And Compounds	7440-38-2	Organic Carbon	-
Barium [And Other Compounds]	7440-39-3	Palladium [And Other Compounds]	7440-05-3
Bromine	7726-95-6	Phosphorus	7723-14-0
Cadmium And Cadmium Compounds	7440-43-9	Potassium [And Other Compounds]	7440-09-7
Calcium [And Other Compounds]	7440-70-2	Rubidium [And Other Compounds]	7440-17-7
Carbon	7440-44-0	Selenium [And Other Compounds]	7782-49-2
Chlorine	7782-50-5	Silica - Respirable (<10 µm Diameter), Quartz	14808-60-7
Chromium And Chromium Compounds (Metallic, Divalent And Trivalent)	7440-47-3	Silicon	7440-21-330194, 12597-37-40
Chromium Compounds (Hexavalent)	7440-47-3	Silver [And Other Compounds]	7440-22-4
Cobalt [And Other Compounds]	7440-48-4	Sodium [And Other Compounds]	7440-23-5
Copper [And Other Compounds]	7440-50-8	Strontium [And Other Compounds]	7440-24-6
Gallium [And Other Compounds]	7440-55-3	Sulphates	-
Indium [And Other Compounds]	7440-74-6	Sulfur, Elemental	7704-34-9
Iron [And Other Compounds]	7439-89-6	Suspended Particulate Matter (< 44 µm Diameter)	-
Lanthanum	7439-91-0	Tin [And Other Compounds]	7440-31-5
Lead And Lead Compounds	7439-92-1	Titanium [And Other Compounds]	7440-32-6
Magnesium [And Other Compounds] (excluding Magnesium Carbonate, Magnesium Chloride, Magnesium Oxide, and Magnesium Stearate)	7439-95-4	Vanadium [And Other Compounds]	7440-62-2
Manganese And Manganese Compounds	7439-96-5	Yttrium [And Other Compounds]	7440-65-5
Mercury (Hg) [And Other Compounds]	7439-97-6	Zinc [And Other Compounds]	7440-66-6
Molybdenum [And Other Compounds]	7439-98-7	Zirconium [And Other Compounds]	7440-67-7
Acrolein	107-02-8	Isopropyl Benzene	98-82-8
Ammonia	7664-41-7	Methane Diphenyl Diisocyanate (Mdi Monomer)	101-68-8
Benzene	71-43-2	Naphthalene	91-20-3
Formaldehyde	50-00-0	Phenol	108-95-2
Hydrogen Cyanide	74-90-8	Sulphur Dioxide	7446-09-5
Hydrogen Sulphide	7783-06-4	Trimethylbenzene, 1,2,4- (Individual Isomer or Trimethylbenzene Mixture)	95-63-6
New Registered Contaminants Added under Foundries - Industry Standard Approval Registration No. 401-12-393-rv1			
Acetone	67-64-1	Mineral Spirits	-
Aluminum Oxide	1344-28-1	M-Xylene	108-38-3
Benzene, 1,1'-Methylenebis(Isocyanato-	26447-40-5	Niobium [And Other Compounds]	7440-03-1
Calcium Carbonate	471-34-1	O-Xylene	95-47-6
Calcium Fluoride (CaF2)	7789-75-5	Phenol-Formaldehyde Resin	9003-35-4
Calcium Oxide	1305-78-8	Polymeric Methane Diphenyl Diisocyanate (Pmdi)	9016-87-9
Dimethyl Glutarate	1119-40-0	Potassium Hydroxide	1310-58-3
Ethyl Benzene	100-41-4	2-Propenamide, N,N'-Methylenebis-	110-26-9
Ferric Oxide	1309-37-1	P-Xylene	106-42-3
Heptane, N-	142-82-5	Solvent Naphtha (Petroleum), Light Aliph.	64742-89-8
Hexachlorobenzene	118-74-1	Styrene	100-42-5
Hexanedioic Acid, Dimethyl Ester	627-93-0	Titanium Dioxide	13463-67-7
Magnesium Carbonate	546-93-0	Toluene	108-88-3
Magnesium Oxide	1309-48-4	Triethylamine	121-44-8
Methanol (Methyl Alcohol)	67-56-1	Xylenes	1330-20-7
Mica	12001-26-2		
Carbon Monoxide	630-08-0	Linseed Oil, Polymd.	67746-08-1
Di-(2-Ethylhexyl) Adipate	103-23-1	Nitrogen Oxides	10102-44-0
Dioxins, Furans and Dioxin-Like Pcb's	-	Sulphuric Acid	7664-93-9
Fatty Acids, Tall-Oil, Bu Esters	67762-63-4		