



CERTIFICATE OF REGISTRATION

This is to certify that

Vale Canada Limited

Copper Cliff Nickel Refinery

175 Industrial Road, Copper Cliff, Ontario P0M 1N0 Canada

Refer to Attachment to Certificate of Registration dated February 14, 2023 for additional certified sites operates a

Quality Management System

which complies with the requirements of

ISO 9001:2015

for the following scope of certification

The registration covers the Quality Management System for Production, Packaging, Marketing and Distribution of pure nickel products from Nickel Carbonyl at CCNR (Copper Cliff Nickel Refinery) and Electrolytic Cobalt Rounds in the Cobalt Refinery. This includes: T100 series nickel powders for the Powder Metallurgy, catalyst, conductive filler, dissolving and battery manufacturing industries; plus pure nickel pellets plus discs and chips for high performance alloy manufacture, plating applications and stainless steel. This registration also covers the Processing, Packaging, Marketing and Distribution of Electrolytic Nickel Rounds in the NiPPS (Nickel Processing Packaging and Shipping) at PCR (Port Colborne Refinery). The procurement of goods and services pertaining to NiPPS (Nickel Processing Packaging and Shipping) and ECR (Electrolytic Cobalt Refinery) and within the scope of registration at CCNR (Copper Cliff Nickel Refinery) are also covered under this registration.

Certificate No.: CERT-0150805
File No.: 000512
Issue Date: February 14, 2023

Original Certification Date: January 9, 1995
Certification Effective Date: March 24, 2023
Certification Expiry Date: March 23, 2026

Calin Moldovean
President, Business Assurance
SAI Global Assurance



ISO 9001



Registered by:

QMI-SAI Canada Limited (SAI Global), 20 Carlson Court, Suite 200, Toronto, Ontario M9W 7K6 Canada. This registration is subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for proven negligence. This certificate remains the property of SAI Global and must be returned to them upon request.

To verify that this certificate is current, please refer to the SAI Global On-Line Certification Register:

https://www.saiglobal.com/en-us/assurance/auditing_and_certification/certification_registry/



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ATTACHMENT TO CERTIFICATE OF REGISTRATION

These sites are registered under Certificate No: CERT-0150805 issued on February 14, 2023

File No.		Effective Date
000512	Vale Canada Limited Copper Cliff Nickel Refinery 175 Industrial Road, Copper Cliff, Ontario P0M 1N0 Canada The registration covers the Quality Management System for Production, Marketing and Distribution of pure nickel products from Nickel Carbonyl. This includes: T100 series nickel powders for the Powder Metallurgy, catalyst, conductive filler, dissolving, and battery manufacturing industries; plus pure nickel pellets plus discs for high performance alloy manufacture, plating applications and stainless steel.	March 24, 2023
002624	Vale Canada Limited PORT COLBORNE REFINERY 187 Davis Street, Port Colborne, Ontario L3K 5W2 Canada The registration covers the Quality Management System for Processing, Packaging and Distribution of pure nickel products and Production, Packaging and Distribution of Electrolytic Cobalt Rounds.	March 24, 2023
025888	Vale Canada Limited 200 Bay St., Suite 1500, South Tower, Toronto, Ontario M5J 2K2 Canada The registration covers the Quality Management System for Marketing and Distribution of pure nickel products from Nickel Carbonyl. This includes: T100 series nickel powders for the Powder Metallurgy, catalyst, conductive filler, dissolving, and battery manufacturing industries; plus pure nickel pellets plus discs and chips for high performance alloy manufacture, plating applications and stainless steel. The registration also covers Marketing and Distribution of Electrolytic Nickel Rounds and Electrolytic Cobalt Rounds in the Cobalt Refinery.	March 24, 2023
1050214	Vale Canada Limited Purchasing Department 200 Bay St, Royal Bank Plaza, Suite 1500, South Tower, PO Box 70 Toronto, Ontario M5J 2K2 Canada The registration covers the procurement of goods and services pertaining to NiPPS (Nickel Processing Packaging and Shipping) and ECR (Electrolytic Cobalt Refinery) and within the scope of registration at CCNR (Copper Cliff Nickel Refinery) for Marketing and Distribution.	March 24, 2023

These registrations are dependent on Vale Canada Limited Copper Cliff Nickel Refinery (File No. 000512) maintaining their scope of registration to ISO 9001:2015