

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1103-C4FPPQ

Issue Date: August 4, 2021

Stelco Inc.
2330 Haldimand Rd 3
Haldimand County, Ontario
N0A 1L0

Site Location: Lake Erie Works
2330 Haldimand Rd 3
Haldimand County,
N0A 1L0

This approval is being issued under section 20.13 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- A two (2) cell cooling tower for the cooling water recirculation system at the coke ovens by-products plant. The cells are 7.32 metres in diameter and 18 metres above grade. The total air flow rate is 1179.4 cubic metres per second.

approved in Environmental Compliance Approval No. 8-2189-79-806 issued on March 6, 1980;

- One (1) two stage scrubber for the tar dehydrators, capacity 0.58 cubic metres per second, two (2) two stage scrubbers for the tar decanters, capacity 0.714 cubic metres per second per scrubber, two (2) one stage scrubbers for the tar storage tanks, total capacity 0.054 cubic metres per second and one (1) one stage scrubber for the light oil recovery plant.

approved in Environmental Compliance Approval No. 8-2184-81-006 issued on November 17, 1981;

- the increase in elevation of the venturi scrubber separator vents installed on two existing storage tanks, for personnel protection. The two vents will discharge horizontally 3.35 metres above the tank roofs, 15.64 metres above grade; and
- the installation of lids with access covers on two existing light oil sludge removal tanks, to prevent emission of sulphuric acid fume and odour.

approved in Environmental Compliance Approval No. 8-2184-81-877 issued on September 30, 1987 and superseding Environmental Compliance Approval No. 8-2184-81-006 issued on November 17, 1981;

- modifications to redirect discharges from the secondary light oil separator and a tanker loading facility to an existing pollution control system, consisting of a venturi scrubber employing wash oil as a scrubbing medium, serving the light oil condensers and the primary light oil separators

approved in the Notice to Environmental Compliance Approval No. 8-2184-81-006 issued on June 15, 1995;

- One (1) ventilation system to ventilate one (1) laboratory fume hood used for routine chemical testing of water, exhausting to the atmosphere at a volumetric flow rate of 8.8 cubic metres per minute through a 0.20 metre diameter vent located 8.5 metres above grade.

approved in Environmental Compliance Approval No. 8-2026-95-006 issued on March 20, 1995.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "Company" means Stelco Inc. that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;
3. "Director" means a person appointed for the purpose of section 20.3 of the EPA by the Minister pursuant to section 5 of the EPA;
4. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
5. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
6. "Equipment" means the equipment or processes described in this Approval, to the extent approved by this Approval;
7. "LDAR Program" means a Leak Detection and Repair Program;
8. "LDAR Program Report" means a report submitted annually documenting the LDAR Program and its implementation and management;
9. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

10. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf;
11. "Publication NPC-300" means the Ministry Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - a. prepare, not later than three (3) months after the date of this Approval, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - ii. emergency procedures, including spill clean-up procedures;
 - iii. procedures for any record keeping activities relating to operation and maintenance of the Equipment;
 - iv. all appropriate measures to minimize noise and odorous emissions from all potential sources; and
 - b. implement the recommendations of the Manual.

2. RECORD RETENTION

1. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Approval, and make these records available for review by staff of the Ministry upon request. The Company shall retain:
 - a. all records on the maintenance, repair and inspection of the Equipment;
 - b. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint

relates;

- ii. wind direction at the time of the incident to which the complaint relates; and
- iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future; and

c. all records relating to the LDAR Program.

3. NOTIFICATION OF COMPLAINTS

1. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
 - a. a description of the nature of the complaint; and
 - b. the time and date of the incident to which the complaint relates.

4. NOISE

1. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300.

5. LEAK DETECTION AND REPAIR PROGRAM

1. The Company shall:
 - a. Maintain and implement an LDAR Program, which shall include, but not be limited to the following:
 - i. identification of the main sources of emissions to be included in the LDAR Program;
 - ii. schedule for implementation of LDAR Program;
 - iii. the methods used to determine leaking components;
 - iv. threshold concentrations for qualifying leaks;
 - v. frequency of surveys to identify leaks;
 - vi. sample inventory of equipment to be monitored;
 - vii. repair protocols and time period(s) during which leaking components will be repaired;
 - viii. consideration of enhanced repair activities for repeat leaking components;
 - ix. examples of how repaired components will be tracked and re-monitored;

- x. continuous improvement through the review of results and implementation of corrective actions;
 - xi. details on the type of information and documentation that will be maintained and recorded for the LDAR Program;
- b. review and evaluate on an annual basis, the LDAR Program;
 - c. record the results of each annual review and update as required the LDAR Program within two (2) months of the completion of the annual review;
 - d. maintain the updated LDAR Program at the Facility;
 - e. implement, at all times, the most recent version of the LDAR Program.
2. The Company shall record, in a log book or electronically, details on the implementation and management of LDAR Program.
 3. The Company shall submit to the Director a LDAR Program Report by December 31st of each year.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.
2. Condition No. 2 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.
3. Condition No. 3 is included to require the Company to notify staff of the Ministry so as to assist the Ministry with the review of the site's compliance.
4. Condition Nos. 4 and 5 are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 8-2189-79-806 issued on March 6, 1980, 8-2184-81-006 dated November 17, 1981, superseded by 8-2184-81-877 dated September 30 1987 and the subsequent 8-2184-81-006 Notice dated June 15, 1995 and 8-2026-95-006 issued on March 20, 1995.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of Part II.1 of the Environmental Protection Act
Ministry of the Environment, Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 4th day of August, 2021

Neryed Ragbar, P.Eng.
Director

appointed for the purposes of Part
II.1 of the *Environmental
Protection Act*

MS/

c: District Manager, MECP Hamilton - District
Katie Chan, Stelco Inc.