



2330 Haldimand Road #3
Nanticoke, Ontario
N0A 1L0
519.587.4541
stelcocanada.com

Stelco Inc. – Lake Erie Works Environmental Management System and Community Engagement Report January – December 2020

On March 27, 2015, Lake Erie Works received a Site-Specific Standard Approval for suspended particulate matter from the Ministry of Environment, Conservation and Parks (MECP) (Approval No. 204-15-rv0). As a part of this Site-Specific Standard Approval, the MECP issued a related Order (Order No. 204-15-order-rvo) which set visible emission limits for coke plant doors, lids, offtakes and charging.

This Environmental Management System and Community Engagement Report summarizes information as required per Item 3.23.2 of the Order covering the period January 1 to December 31, 2020.

In July 2019, Stelco commenced a voluntary significant capital rehabilitation project for the coke battery. Half of the coke battery was idled for preparing the ovens for repair. A plan setting out operating practices during this project was submitted and approved by the MECP to minimize discharges during battery repairs. During this period, environmental performance results related to the Order are not reflective of typical performance due to on-going significant battery repairs. During December 2020, Stelco determined to proceed with an expanded project that will include temporary ceasing coke production at Lake Erie Works to rehabilitate the coke battery, including upgrading the LEW coke oven end flues. Based on currently available information, this project is anticipated to be completed in the second half of 2021.

A summary of the information required by Item 3.3 with respect to the notice(s) required to be given.

From January 1st to June 10th and from November 22nd to 25th, the Lake Erie Works battery exceeded the 30-day rolling average limit for offtake emissions. These emissions were related to ongoing maintenance work at the battery required for sustainable long-term operation of the facility. The MECP District Manager was notified of the exceedances.

A summary of the information required by paragraph 6 of Item 3.9 with respect to the record(s) required to be made.

There were 159 exceedances of the daily thresholds, seven for coke battery topside port lids, 114 for offtakes and 38 for oven door leaks. The topside port lid threshold in 2020 was 1%. The threshold for offtakes in 2020 was 4%. The threshold for oven door leaks was 5%. For lid, off-take and door exceedances the operational adjustments made were in applying sealant to the affected areas. During this period, environmental performance results are not reflective of typical performance due to on-going significant battery repairs.

A summary of the information required by paragraph 7 of Item 3.14 with respect to the record(s) required to be made.

There were ten incidents in which operational adjustments were required related to pushing emissions. In 2020 the threshold for pushing emission opacity was 30%. Operational adjustments included cleaning the heating flues, adjusting the battery temperature and patching holes in the oven walls.



The minutes of the CLC meetings and any related follow-up actions.

The minutes of the 2020 CLC meetings can be retrieved at Stelco's website:
<https://www.stelco.com/community/environment/lake-erie-works-clc>