



The Steel Company of Canada

Lake Erie Works Community Liaison Committee Meeting

5 February 2020

Agenda

1. Welcome and Safety Contact
2. Review and Approval of Agenda
3. Review and Approval of Minutes of 11 December 2019 Meeting
4. Performance under O.Reg. 419/05 Site Specific Standard Order–
Particulates
5. LEW Water Treatment Overview
6. Sustainable Steel
7. Community Concerns
8. Adjournment

Know Your Emergency Exits

Review Evacuation Routes of
the room you are located in



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Site-Specific Standard Order (Particulates): Performance Review – During Rehabilitation Project

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)
2015 Limits (July 2 start)	54%	2%	NA
2016 Limits	32%	2%	NA
2017-2019 Limits	10%	2%	5%
2020 Limits	5%	1%	4%
Dec 1 – Dec 31, 2019 Range (Average)	0.0 - 7.89% (5.30%)	0.0 – 1.32% (0.18%)	0.0 – 13.16% (8.21%)

Daily Measurements Performed 2019

- All weekdays, except for holidays
- 10 Saturdays
- 10 Sundays

Dec 1 to Dec 31 Operational Adjustments

- 19 operational adjustments for offtakes

These results not reflective of typical performance due to on-going significant battery repairs.



Site-Specific Standard Order (Particulates): Performance Review – 30 Day Rolling Averages During Rehabilitation Project

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)	Charging (sec) (log avg)
2015 Limits (July 2 start)	38%	0.8%	25%	12 sec
2016 Limits	22.5%	0.8%	15%	12 s
2017-2019 Limits	7%	0.8%	4.2%	12 s
2020 Limits	4%	0.4%	2.5%	12 s
Dec 1 – Dec 31, 2019 Range (Average)	4.71 – 5.13% (4.93%)	0.00 – 0.13% (0.04%)	9.05 – 10.34% (9.85%)	5.86 – 6.38s (6.11 s)

December 1 – December 31, 2019 Performance

- Off-takes 30 day rolling average over limit during rehabilitation work
- Ministry of Environment has approved Stelco's plan to minimize emissions during rehabilitation program

These results not reflective of typical performance due to on-going significant battery repairs.

Site-Specific Standard Order (Particulates): Performance Review – Daily Observations – During Rehabilitation Project

Date	Pushing Emission (opacity %)
2015 Limit (July 2 start)	$\geq 50\%$
2016 – 2018	$\geq 50\%$
2019	$\geq 40\%$
2020	$\geq 30\%$
Dec 1 – Dec 31, 2019 Range (Average)	0 – 61.67% (10.91%)

December 1 – December 31, 2019 Operational Adjustments

- 1 operational adjustments for this period (patching hole in Oven #39)

These results not reflective of typical performance due to on-going significant battery repairs.

Site-Specific Standard Order (Particulates): Performance Review – Additional Items

- There were no community complaints for the period of December 2019 related to the Site-Specific Standard
- MECP to provide verbal comments

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Lake Erie Works

Water Treatment Process

February 5, 2020

Garret Urie – Area Manager – Primary Utilities

Stelco – Lake Erie Works

Utilities Department Structure



- Cokemaking & By Products
- Ironmaking
- Steelmaking
- Blowdown Water Treatment
- Plant Distribution
- Central Power Station
- Hot Strip Mill

Environmental Policy

At Stelco, we are committed to being an environmentally responsible company; to the protection of the environment; and, to the prevention of pollution. Our environmental management system establishes and reviews environmental objectives and targets to:

REDUCE air, water and waste pollution by means of practices, operating procedures and programs;

IMPROVE continually our environmental management system to enhance environmental performance; and

COMPLY with environmental laws and our other environmental requirements

Blowdown & Wastewater Treatment Utilities

Wastewater Treatment Process – Lake Erie

- Collect all plant wastewater, physically, and chemically treat prior to return to Lake Erie.
- Over 90% recycle rate of water used within the plant.
- Ensure all processed water meets regulatory discharge limits.



Plant Distribution Utilities

Plant Distribution – Lake Erie



- Monitor lagoons, ponds and ditches.
- Ensure all discharge water meets regulatory discharge limits.
- Distribute utilities services such as steam, gaseous fuels, air & water.





Lake Erie Works Water Video



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“Water is the driving force of all nature.”

Leonardo da Vinci

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Thank You.

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