



The Steel Company of Canada

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# Lake Erie Works Community Liaison Committee Meeting

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24 January 2018

Andy Sebestyen

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# Agenda

1. Welcome and Safety Contact
2. Review and Approval of Agenda
3. Review and Approval of Minutes of 28 September 2017
4. Performance under O.Reg. 419/05 Site Specific Standard Order – Particulates
5. ISO 14001 Audit results
6. Greenhouse Gas Reduction Project – Pond Technologies – Phase II
7. Community Concerns
8. Adjournment

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# 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 – Daily

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%
<b>Sept 23 – Dec 31, 2017 Range (Average)</b>	<b>0 – 10.47% (3.49%)</b>	<b>0 – 1.20% (0.08%)</b>	<b>0 – 5.10% (2.87%)</b>

## Daily Measurements Performed YTD

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

## Sept 23 – Dec 31, 2017 Operational Adjustments

- Nov. 10 – Doors
- Dec. 27 – Off-takes

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

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
<b>Sept 23 Dec 31, 2017 Range (Average)</b>	<b>2.35 – 4.88% (3.69%)</b>	<b>0.02 – 0.15% (0.1%)</b>	<b>2.36 – 3.36% (3.02%)</b>	<b>5.20 – 6.20 s (5.70 s)</b>

## Sept 23 – Dec 31, 2017 Performance

- In compliance with 2017 limits



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# Site-Specific Standard Order (Particulates): Performance Review – Daily Observations – Pushing Emissions

Date	Pushing Emission (opacity %)
2015 Limit (July 2 start)	$\geq 50\%$
<b>2016 – 2018</b>	$\geq 50\%$
2019	$\geq 40\%$
2020	$\geq 30\%$
<b>Sept 23 – Dec 31, 2017 Range (Average)</b>	<b>0 – 46.67% (10.94%)</b>

## Sept 23 – Dec 31, 2017 Operational Adjustments

- None required – in compliance with 2017 limit

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

- There were no community complaints regarding the Coke Battery for the period of Sept 23 – Dec 31, 2017
- MOECC to provide verbal comments

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# ISO 14001:2015 External Audit

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January 24, 2018

| CLC Meeting

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# Agenda Slide

ISO 14001 Overview

External Audit Overview

Audit Findings

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# What is ISO 14001:2015?

- The ISO's (International Organization for Standardization) environmental management standard
  - The 2015 version of the standard is the newest of these, bringing forward several new requirements



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# Audit Scope

- An external surveillance audit conducted by a third party
- Covering:
  - Coke making
  - Ironmaking
  - Central Power Station
  - Emergency Preparedness and Response
  - Pickling Lines
  - Mobile Equipment Repair
  - Hot Strip Mill





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## Audit Finding #1

- Minor non-conformity related to operational control of waste storage and fuel transfer

## Audit Finding #2

- Minor non-conformity related to greater engagement of top management in the environmental management system

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**It is clear that this is a very mature system**

Baljinder Singh, Lead Auditor

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# **Pond Technologies – Algae Project Phase II**

**Stelco Algae Holdings  
(Wholly Owned Subsidiary of Stelco)**

**Pond Technologies  
SNC-Lavelin Inc.**

# **Pond Technologies – Algae Project Phase II**

**\$13.9 Million**

**\$5 Million grant from  
Ontario Centres for Excellence (OCE) for GHG  
Reduction project**

# Pond Biofuels – Algae Project Phase II



# **Pond Biofuels – Algae Project Phase II**

**The world's first commercial algae plant  
utilizing industrial greenhouse gas emissions.**

The plant will be located at Stelco's Lake Erie Works steel mill in Nanticoke, Ontario and will be completed in Q4 2019 with engineering and construction work from SNC-Lavalin Inc.

# Pond Biofuels – Algae Project Phase II

"Supporting the efforts of large industries to reduce their greenhouse gas emissions is an important part of our government's Climate Change Action Plan. With the help of our province's innovative cleantech companies, the TargetGHG program will help build a prosperous, low carbon economy and create a cleaner, more sustainable future for Ontario."

[Reza Moridi](#), Minister of Research, Innovation and Science



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**Thank You.**

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