



The Steel Company of Canada

Lake Erie Works Community Liaison Committee Meeting

26 January 2017

| K. Chan

Agenda

1. Welcome and Safety Contact
2. Review and Approval of Agenda
3. Review and Approval of Minutes of 6 October 2016
4. Performance under O.Reg. 419/05 Site Specific Standard Order - Particulates
5. Lake Erie Works Winter Dust Management – Overview
6. The New Stelco
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 – 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%
Oct - Dec 2016 Range (Average)	0 – 11.6% (3.88%)	0 – 0.7% (0.06%)	0 – 8.8% (3.16%)

Daily Measurements Performed YTD

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

Oct – Dec 2016 Operational Adjustments

- None required – in compliance with 2016 limits

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
Oct – Dec 2016 Range (Average)	2.36 – 4.37%% (3.68%)	0.04 – 0.1% (0.08%)	2.78 – 3.8% (3.19%)	5.24 – 9.68 s (6.9 s)

Oct – Dec 2016 Performance

- In compliance with 2016 limits

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

Date	Pushing Emission (opacity %)
2015 Limit (July 2 start)	≥ 50%
2016 – 2018	≥ 50%
2019	≥ 40%
2020	≥ 30%
Oct – Dec 2016 Range (Average)	0 – 41.67% (7.26%)

Oct – Dec 2016 Operational Adjustments

- None required – in compliance with 2016-2018 limit

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

- There were no community complaints for the period of October – December 2016
- MOECC to provide verbal comments

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Lake Erie Works

Winter Dust Management

D. Palmer

| Iron Producing Area Manager

Overview

- Well-established fugitive dust management plan already in place
 - A “living” document – best management practices for continual improvement
 - Integrated in Standard Operating Procedures
- Dust mitigation practices are customized by season to address different external environmental conditions
- Stockpiles and roads are inspected on a continuous basis to determine need for dust control

Raw Material Handling - Dock

- The Process Coordinator – Raw Materials & Dock oversees dust management of stockpiles at all times of the year
- Stockpiles generally arranged to minimize surface area that can be affected by prevailing winds
 - 9 stock piles reduced to 3 stock piles
- Sufficient quantity of raw materials are shipped to the facility via boat prior to seasonal closure of the Great Lakes Seaway. Stock piles are prepared for winterization
 - Includes covering coal piles with a crusting agent → sealant
- In forecasted high wind conditions, operating stockpiles are suppressed with water by tanker immediately (temperature considerations)
- May include temporary cessation of operations if deemed necessary

Tools For Proactive Approach



LEW Blast Furnace & Dock Department

General Info.

Safety

Mobile Equipment

Employee

Links

Training

Administration



Welcome to the LEW Blast Furnace & Dock Department Website

Message of the Day:

Have you followed ALL lockout procedures ??

- *Timely communication with all crews*
- *Detailed current weather and future wind forecasts*
- ***USE DUST SUPPRESSION TOOLS PROACTIVELY!***

Reminder: Click [here](#) to check for any pending sign-offs.

Click [here](#) to review the Quality Policy.

Click [here](#) to search the MSDS system.

Click [here](#) to access SPRINT Canada.

Ambient Temp.: 1.0 °C @ 2017-01-19 13:05

Humidex: 0.0 °C @ 2017-01-19 13:26

Equiv. Chill Temp.: -1.8 °C @ 2017-01-19 13:15

Wind Speed: 9.3 km/hr @ 2017-01-19 13:15

Wind Direction: 235.0 ° @ 2017-01-19 13:15

[Wind Forecast \(48hrs\). Internet Required.](#)



Tools For Proactive Approach

Wind, waves & weather forecast

Lake Erie / Long Point

[Maps](#) >



6mph
West-Southwest



32°F
Overcast

Data based on our forecast model 7:45 am 5:18 pm 1:30 pm (UTC -5) 564 ft splocs.com

[Forecast](#)
[Superforecast](#)
[Webcams](#)



Last update: 11:38 am local time
This forecast is based on the GFS model

[Print this forecast](#)
[Embed this forecast](#)

Local date

Thursday, Jan 19

Friday, Jan 20

Local time	1am	4am	7am	10am	1pm	4pm	7pm	10pm	1am	4am	7am	10am	1pm	4pm	7pm	10pm
Wind direction	↗	↗	↗	➡	↗	↗	↖	↖	←	←	←	←	←	↖	↗	↗
Wind speed (mph)	16	13	13	10	7	5	3	6	8	12	12	15	9	5	7	8
Wind gusts (max mph)	24	20	20	13	8	6	3	7	10	16	15	18	12	6	9	10
Cloud cover	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁
Precipitation type													☔	☔	☔	
Precipitation (in/3h)													0.16	0.08	0.08	
Air temperature (°F)	34	32	32	32	32	34	32	32	32	32	34	36	34	36	37	37
Air pressure (inHG)	29.44	29.44	29.44	29.5	29.44	29.41	29.41	29.38	29.32	29.26	29.18	29.15	29.12	29.12	29.15	29.15



Tools For High Wind Warning Notification

- Automated email alerts when measured wind at a weather station exceeds an alert setpoint (currently 21kph)
 - Emails are sent to iron producing management and all blast furnace Shift Managers (24 x 7)
 - System is integrated with the blast furnace control room alarm server, issuing an alarm for “High Wind Warning”, monitored at all times.
- Information is immediately passed on to all Raw Material/Dock personnel via radio so they can take immediate action

Coal Field Sprinkler System

- Video: Drone video of sprinkler system in operation
- Future Upgrades:
 - Additional sprays for increased coverage area
 - Increased pump size for additional water pressure and flow

In-Plant Roads

- Similar to stock piles management, dust control on plant roadways vary based on seasonal conditions
- Internal visual inspection of roadways and related areas are conducted daily
- Dust from unpaved and paved roads are managed on a daily, or as-required, basis
 - Dust management practices in winter include road sweeping, water flushing (temperature-permitting), closing/restricting roadways, and limiting vehicle speed



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Thank You.

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The New Stelco

The New Stelco

On December 2, 2016, our company launched our new brand under the Stelco name.

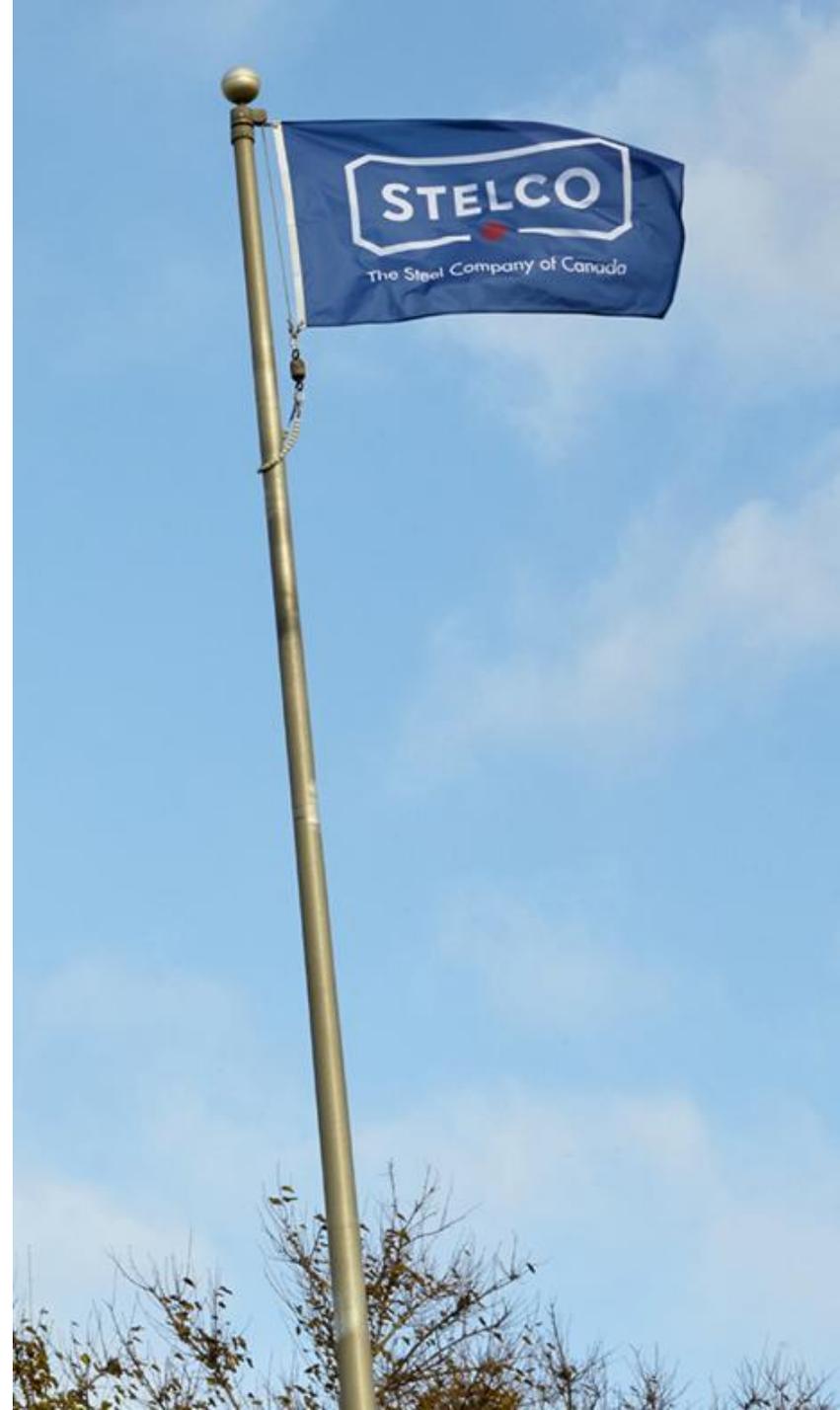
This is the next step towards our goal of becoming an independent Canadian business.



The New Stelco

The new logo marks the return of the iconic dogbone that was first introduced in 1928.

The modernization of the design and the inclusion of the maple leaf signals our company's forward thinking approach and distinguishes us as uniquely Canadian.



Recruiting

It was also announced that Stelco will be recruiting several new employees as we repatriate many jobs that were previously performed by our parent company.

These positions will further support our independence and are across several areas including operations, accounting, sales, procurement and information technology.



Next Steps

As we work towards finalizing a restructuring solution that will allow our business to remain financially sustainable and compete, we will continue to operate under the Stelco name.

Our path forwards includes more modern and robust communication with the community through a new website and social media channels.







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