



The Steel Company of Canada

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**Hamilton Works**

**Community Liaison Committee Meeting**

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September 2019

| K. Chan

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# Agenda

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1. Welcome and Safety Contact
2. Review and Approval of Agenda
3. Review and Approval of Minutes of 12 June 2019 Meeting
4. Performance under O.Reg. 419/05 Site Specific Standard Order–  
Particulates
5. Dust Management Program
6. Community Concerns
7. 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
<b>2017-2019 Limits</b>	<b>10%</b>	<b>2%</b>	<b>5%</b>
2020 Limits	5%	1%	4%
<b>June 1- Aug 31, 2019 Range (Average)</b>	<b>0 – 3.02% (0.44%)</b>	<b>0 – 1.52% (0.20%)</b>	<b>0 – 3.85% (0.64%)</b>

## Daily Measurements Performed YTD

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

## June 1 – Aug 31 Operational Adjustments

- None

# 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>June 1 – Aug 31, 2019 Range (Average)</b>	<b>0.30 – 0.59% (0.44%)</b>	<b>0.09 – 0.25% (0.17%)</b>	<b>0.21 – 0.85% (0.45%)</b>	<b>3.24 – 8.22 s (5.68 s)</b>

## June 1 – Aug 31, 2019 Performance

- In compliance with 2019 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)	$\geq 50\%$
2016 – 2018	$\geq 50\%$
2019	$\geq 40\%$
2020	$\geq 30\%$
June 1 – Aug 31, 2019 Range (Average)	0 – 40% (8.97%)

## June 1 – Aug 31, 2019 Operational Adjustments

- Cleaned orifices and buss flues of affected oven

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

- MECP to provide verbal comments

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# Additional Update

- Community Complaint:
  - MECP received odour complaints within the community on June 9 & 10
- Stelco Review:
  - Source/s of odour seemed to be coming mostly from the northeast industrial zone. Exact source is difficult to determine due to differences in the odour descriptions from the complainants, variability of receptors' addresses and time of occurrence and/or wideness of affected areas.
- Corrective Action:
  - Communicated incident with Hamilton Industrial Environmental Association

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# Additional Update

- Community Complaint:
  - Dust blow-off on July 16 and Aug. 6
- Stelco Review:
  - Procedures in maintaining dust suppression and preventing blow-off during coal unloading were adhered to
- Corrective Action:
  - Pilot trial on continuous improvement measures in water spraying the coal piles is ongoing

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# Additional Update

- Community Complaint:
  - August 31 battery emission
- Stelco Review:
  - Oven heating issues resulted in green coke pushing emission
- Corrective Action:
  - Minimize equipment interruptions which can affect heating of ovens

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# Fugitive Dust Management Hamilton Works

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September 2019

A. Sebestyen & C. Dumont

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# 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



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# Dust Management

Established procedures and practices to monitor, control and manage dust from various operations and activities such as:

- Summer and Winter Operations
- Emergency weather conditions
- Monitoring vessel unloading
- Monitoring stockpiles
- Monitoring Docks Operations
- Monitoring Open Cuts and Hauling to Coal Reclaimers
- Monitoring of Berms and Working in the Area



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# In-Plant Roads

- Dust control on plant roadways vary based on seasonal conditions
- Internal visual inspection of roadways and related areas are conducted daily
- Annual review of roads for paving

## Paved Roads

- Road vacuuming,
- Water flushing (temperature-permitting),
- Closing/restricting roadways, and
- Limiting vehicle speed.

## Unpaved Roads

- Closing/restricting roadways,
- Limiting vehicle speed,
- Oiling of main roads,
- Watering as required between oiling.

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# Raw Material Handling - Dock

- The dock manager oversees dust management of stockpiles at all times of the year
- 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

*Excerpt from Stelco Dock  
Intranet Site*

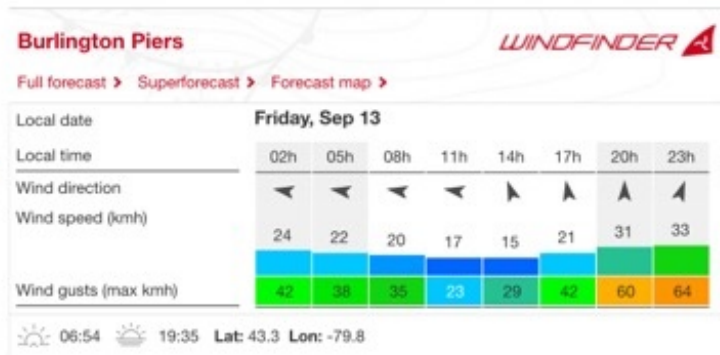
## Today's Posted Job Instructions:

**\*\*Complete your Sign-offs\*\* 2 Loads of Enhanced every Shift. Daren - Scraper. Haul out Rosebud when you can. Peter - Coke Loading/Wood Chips/ Tar Tanks. Load coke North end of Slab Yard. Aaron/Brian - Wharf. All Production coke South end of 2 Dock between stacked coke piles toward the water. Run K-System from 9-11 and 2-4 for your breaks. Turn off k-system when not using.**

## Coke Schedule:

**Yesterday:      Today:      Tomorrow:**

Reminder: Click [here](#) to review the Quality Policy.  
Click [here](#) to review the Stelco Canada Environmental Policy.  
Click [here](#) to review the Health, Safety and Wellness Policy.  
Click [here](#) to search the SDS system.  
Click [here](#) to access SPRINT Canada.  
Click [here](#) to visit Environment Canada Weather.



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# Tools For High Wind Warning Notification

- Automated email alerts when measured wind at a weather station exceeds an alert setpoint (currently 20 kph)
  - Emails are sent to Coke producing management and all Dock Shift Managers
- Information is immediately passed on to all Raw Material/Dock personnel via radio so they can take immediate action

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# Pilot Coal Field Sprinkler System

- Video: Drone video of sprinkler system in operation
- Future Upgrades:
  - Additional sprays for increased coverage area



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**Thank You.**

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# Next Meeting

- Wed. Dec. 11, 2019

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