



The Steel Company of Canada

---

# Hamilton Works Community Liaison Committee Meeting Q4 2020

---

January 2021

---

---

# Agenda

1. Introductions
2. Performance under O.Reg. 419/05 Site Specific Standard Order – Particulates
3. Action Items
4. Seasonal Fugitive Dust Management
5. Community Feedback
6. Next Meeting
7. Adjournment

---

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

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)
2015 Thresholds (July 2 start)	54%	2%	NA
2016 Thresholds	32%	2%	NA
2017-2019 Thresholds	10%	2%	5%
2020 Thresholds	5%	1%	4%
Oct – Dec Range (Average)	0 – 4.23% (0.87%)	0 – 1.00% (0.29%)	0 – 1.28% (0.11%)

## Daily Measurements Performed YTD

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

## Oct - Dec Operational Adjustments

- None required

# 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>Oct – Dec Range (Average)</b>	<b>0.43 – 1.62% (1.03%)</b>	<b>0.13 – 0.37% (0.23%)</b>	<b>0 – 0.16% (0.09%)</b>	<b>2.34 – 3.73s (3.18s)</b>

## Oct – Dec Performance

- In compliance with 2020 limits

---

# 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	$\geq 30\%$
Oct – Dec Range (Average)	0 – 30.00% (6.31%)

## Oct – Dec Operational Adjustments (1 exceedance)

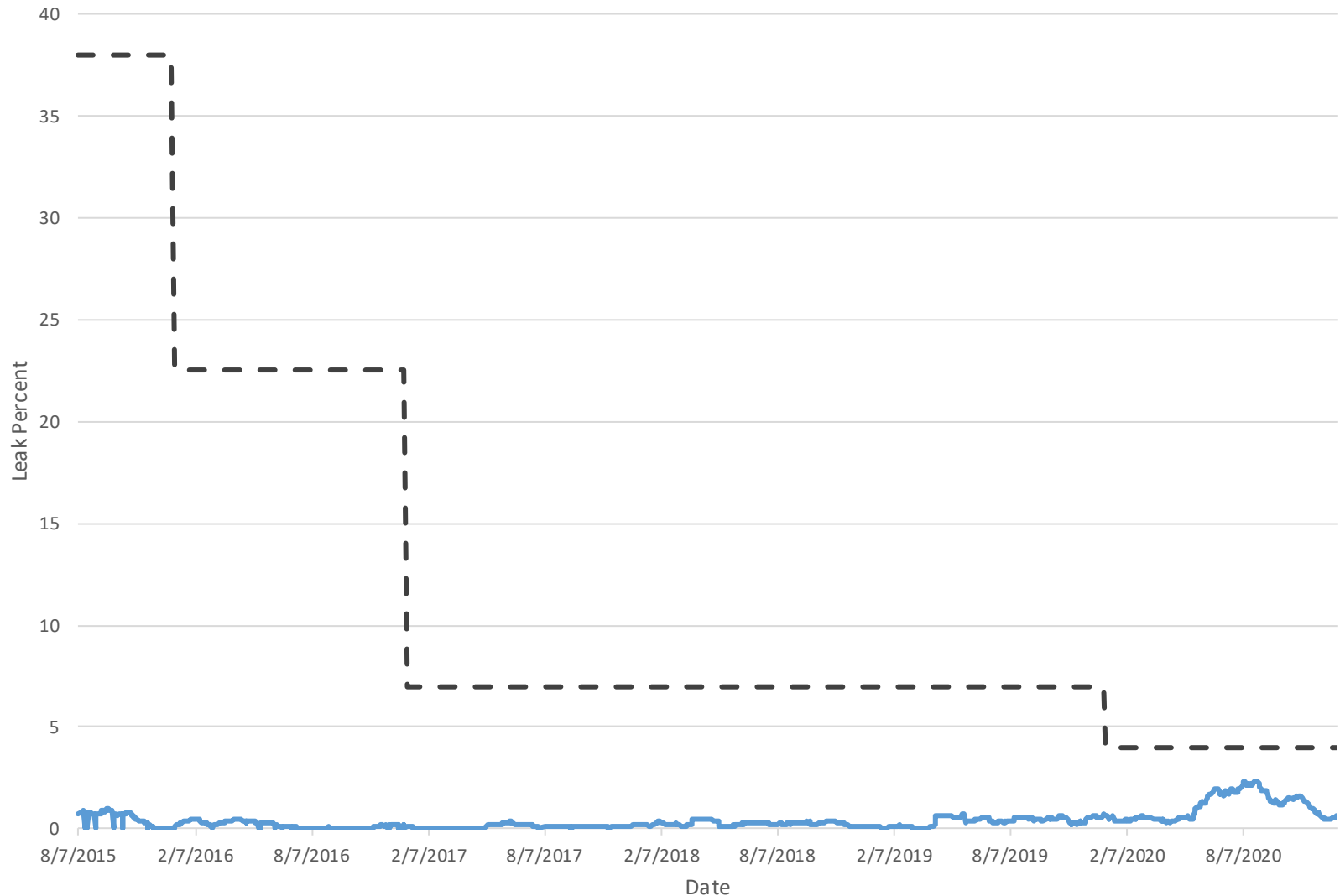
- Brushing of underfiring orifices
- Air lancing pusher side buss flues

---

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

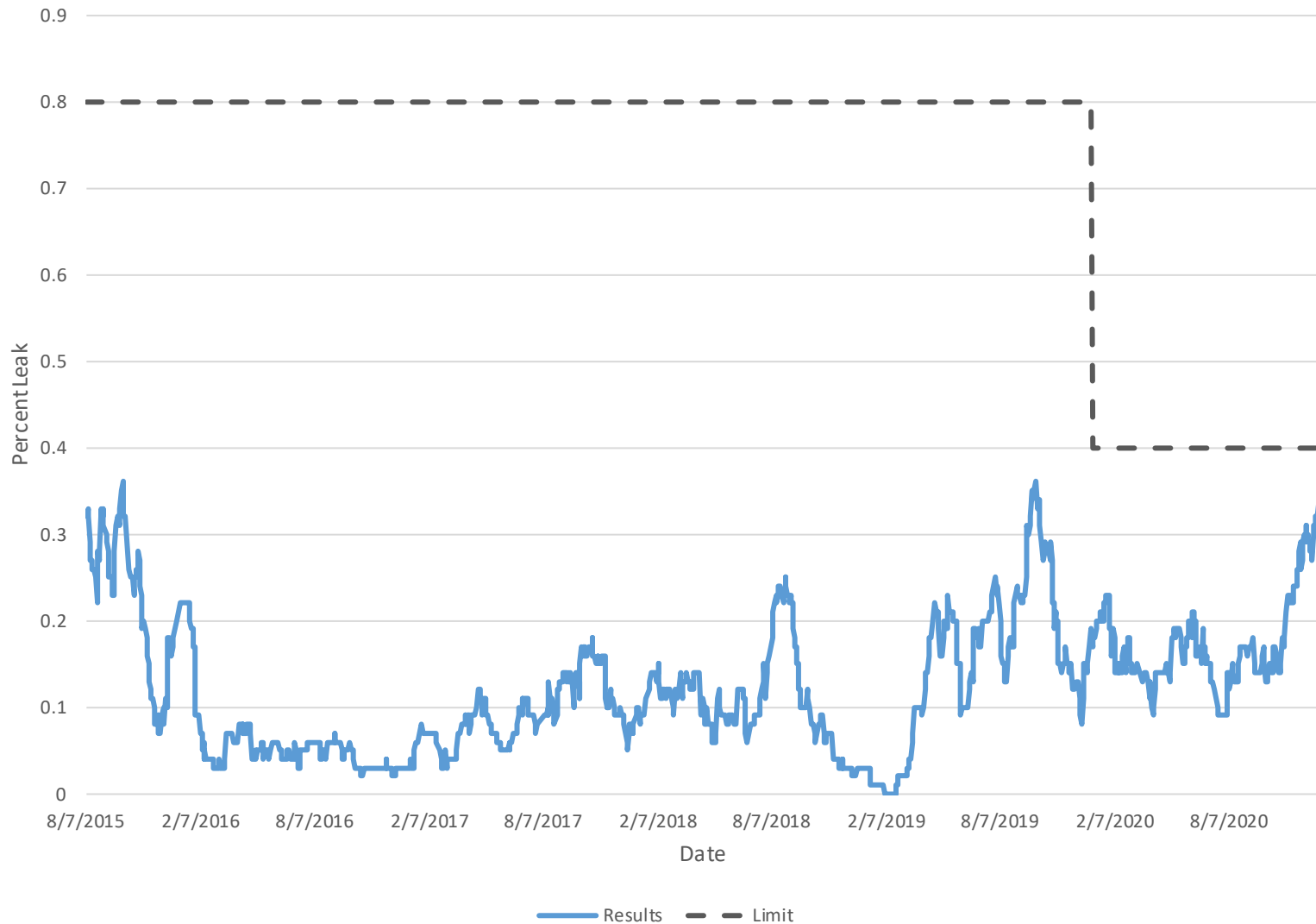
- Community Complaint:
  - None in Q4
- MECP to provide verbal comments

# Action Item: 30 -day Rolling Average - Doors



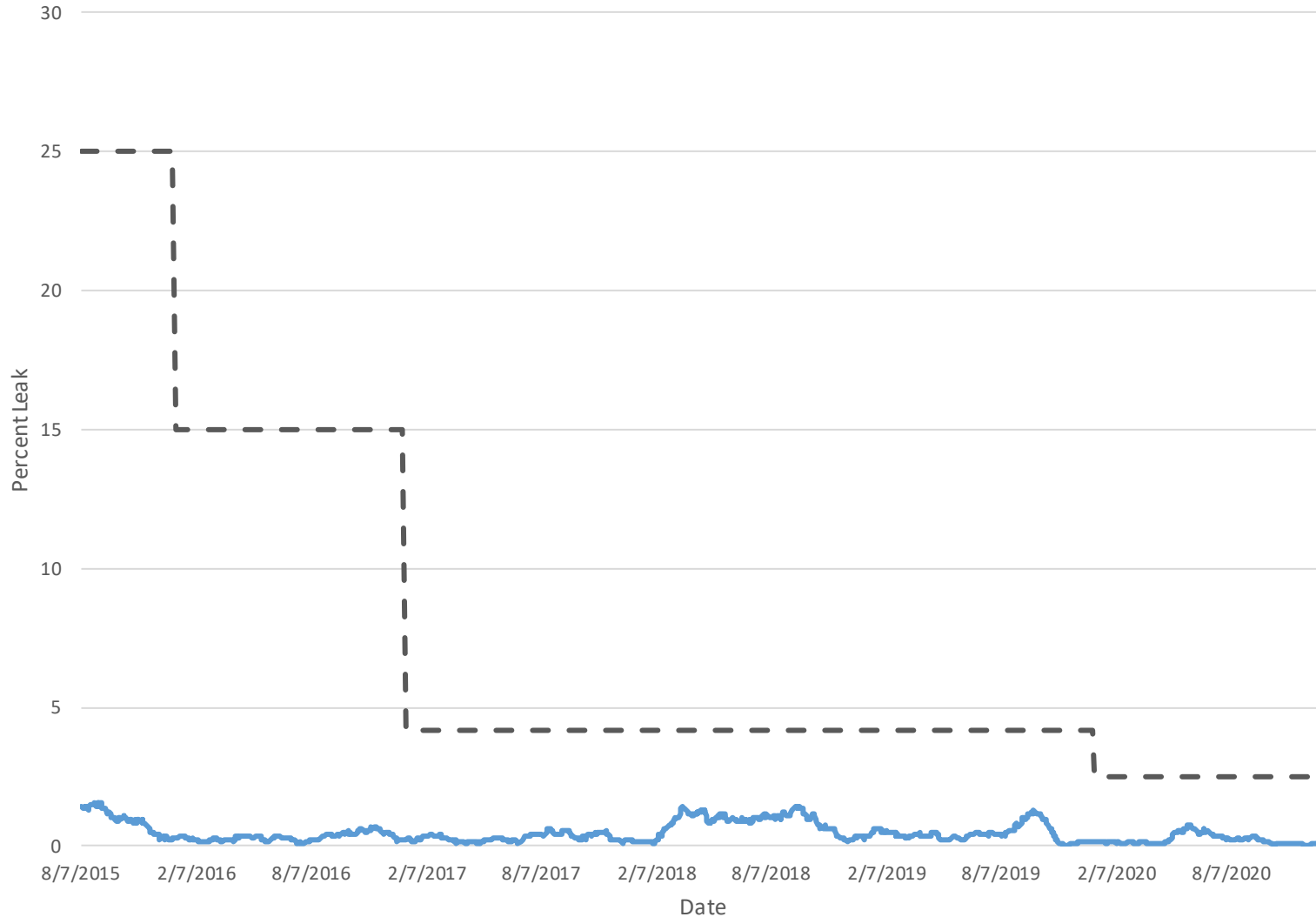
— Results — Limit

# Action Item: 30 -day Rolling Average - Lids





# Action Item: 30 -day Rolling Average - Offtakes



— Results — Limit

---

# Seasonal Fugitive Dust Management

## Background

- Due to the seasonal changes in weather and storage requirements for raw materials, Stelco's fugitive dust management needs to change as well.

## Summer

- Paved Roads – water flushing, vacuuming
- Unpaved Roads – oiled; repeat oiling when required
- Coal piles – wetting with water tankers and sprinkler system; coal unloading by conveyor – water spray at end of conveyor; height of conveyor; monitor of wind speed – unloading stopped if wind gusts >50 km/hour; wind fences are used to knock down dust

## Fall

- Roads – continuation of summer program
- Coal piles – coal inventory for winter increasing; summer controls continue

---

# Seasonal Fugitive Dust Management (2)

## Winter

- Paved Roads – snow removal, vacuuming when feasible
- Coal piles – water dust control discontinued; inventory of coal is moved into storage piles that are oriented in the direction of the prevailing winds; storage piles sealed with a sealant; wind fences used when retrieving coal

## Spring

- Paved Roads – when temperature is consistently above freezing, roads are cleaned to remove any accumulated sand; water flushing and vacuuming resumes
- Unpaved roads – oiled during a dry period
- Coal piles – low coal inventory; sprinklers are reinstalled in preparation for receiving boatloads of new coal.

---

# Community Feedback

---

# Next Meetings

- Wed. April. 28, 2021
- Wed. July 28, 2021
- Wed. Oct. 27, 2021



The Steel Company of Canada

**Thank You.**

[stelco.com](http://stelco.com)