



The Steel Company of Canada

**Lake Erie 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 Item from Previous Meeting
4. Seasonal Fugitive Dust Management
5. Community Feedback
6. Adjournment

Site-Specific Standard Order (Particulates): Performance Review – Daily During Rehabilitation Project (Oct – Dec 2020)

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 1– Dec 31, 2020 Range (Average)	0.0 – 5.26% (1.20%)	0.0 – 0.0% (0.00%)	0.00 – 8.33% (2.09%)

Daily Measurements Performed 2020

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

Oct 1 to Dec 31 Operational Adjustments

- 14 operational adjustments for offtakes
- 1 operational adjustments for doors
- 0 operational adjustments for lids

These results not reflective of typical performance due to significant battery rehabilitation.



Site-Specific Standard Order (Particulates): Performance Review – 30 Day Rolling Averages During Rehabilitation Project (Oct – Dec 2020)

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 1 – Dec 31, 2020 Range (Average)	0.67 – 1.62% (1.12%)	0.00 – 0.36% (0.03)	0.74 – 2.71% (1.24%)	4.65 – 7.00s (5.80s)

Oct 1 – Dec 31, 2020 Performance

- Ministry of Environment approved Stelco's plan to minimize emissions during rehabilitation program

These results not reflective of typical performance due to significant battery rehabilitation.



Site-Specific Standard Order (Particulates): Performance Review – Daily Observations – During Rehabilitation Project (Oct - Dec 2020)

Date	Pushing Emission (opacity %)
2015 Threshold (July 2 start)	$\geq 50\%$
2016 – 2018	$\geq 50\%$
2019	$\geq 40\%$
2020	$\geq 30\%$
Oct 1 – Dec 31, 2020 Range (Average)	0 – 40% (5.89%)

October 1 – December 31, 2020 Operational Adjustments

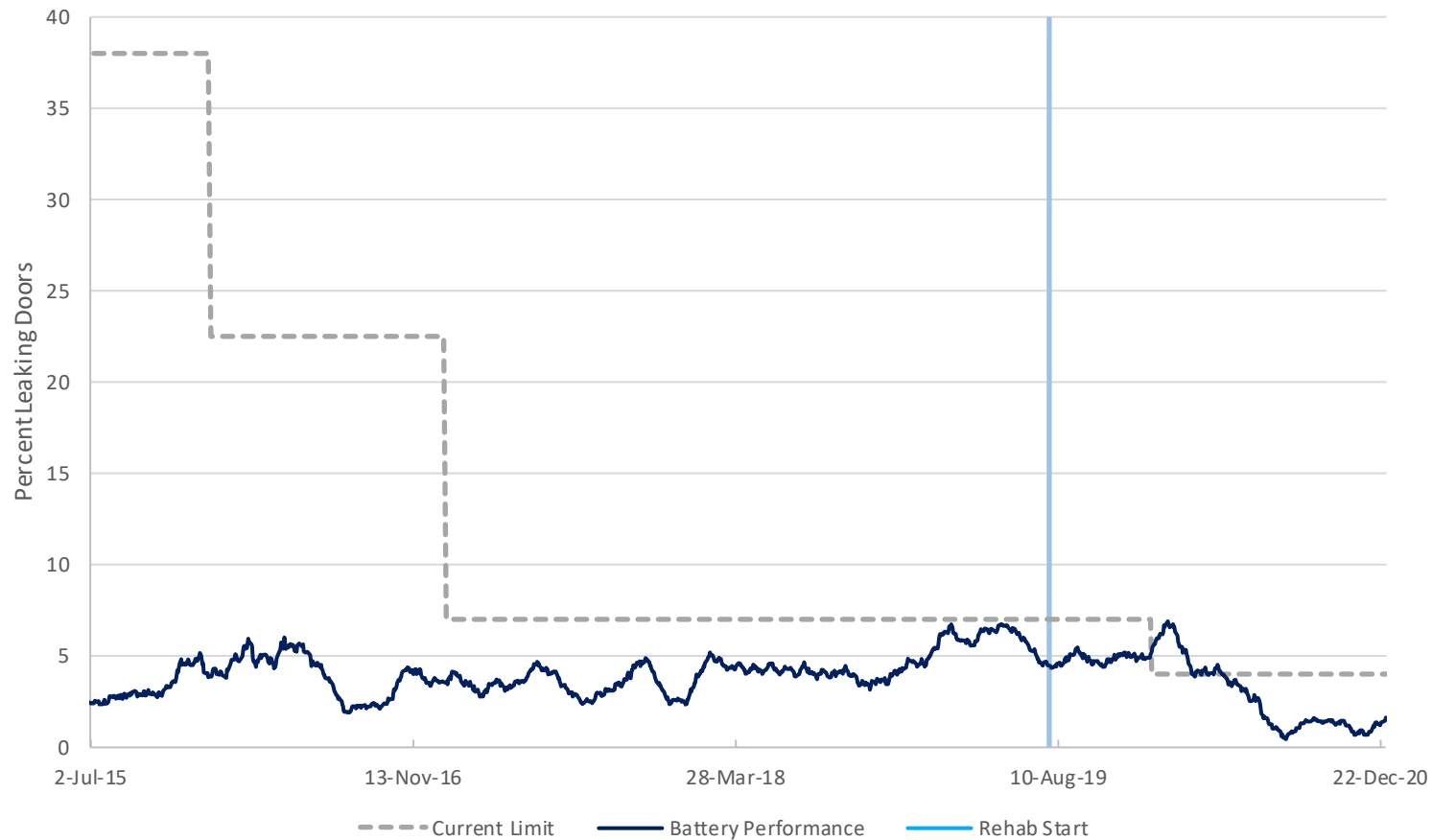
- 2 operational adjustments related to holes in the oven walls requiring ceramic welding

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

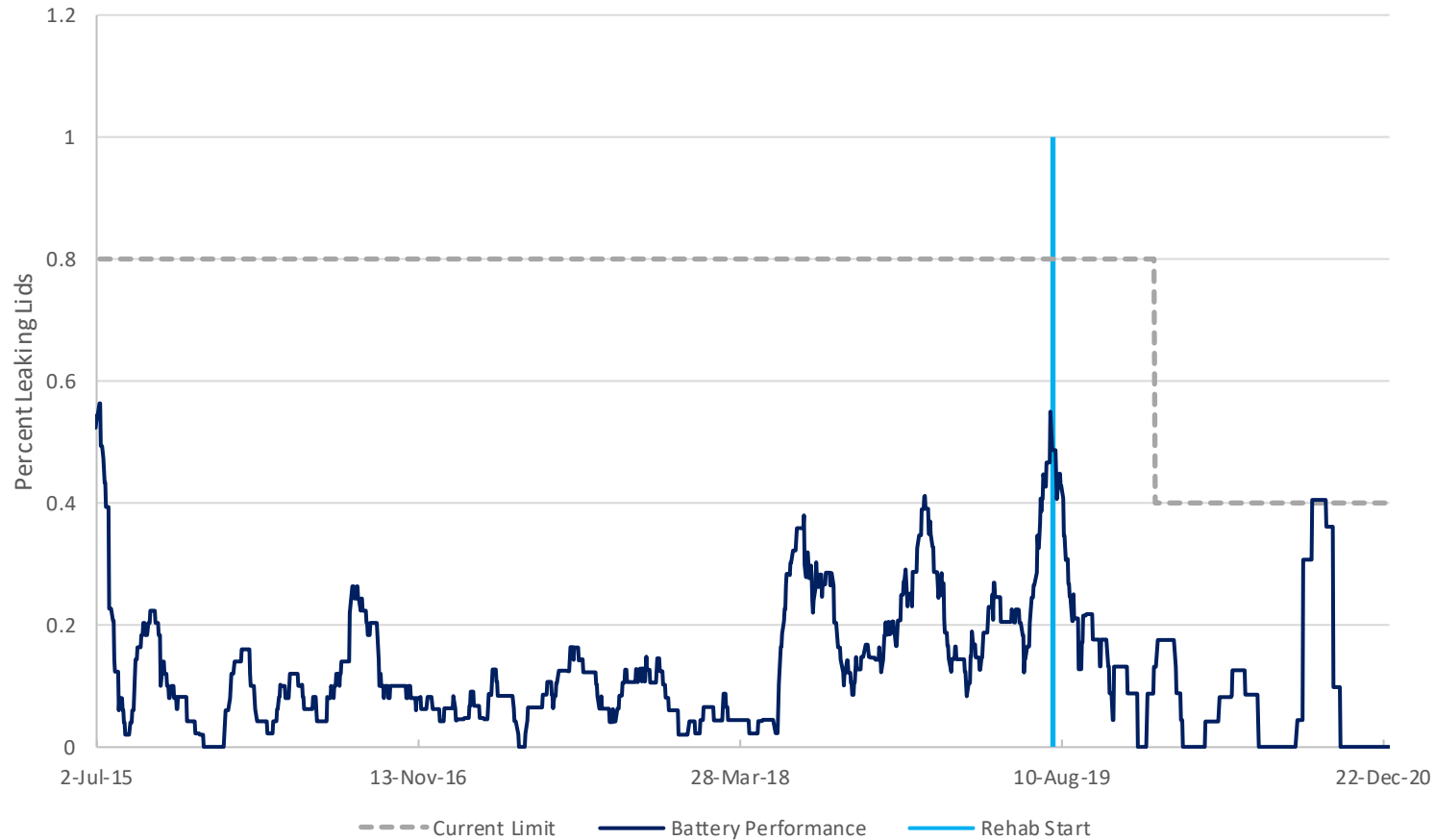
Site-Specific Standard Order (Particulates): Performance Review – Additional Items

- There were no community complaints for the period of Q4 2020 related to the Site-Specific Standard
- MECP to provide verbal comments

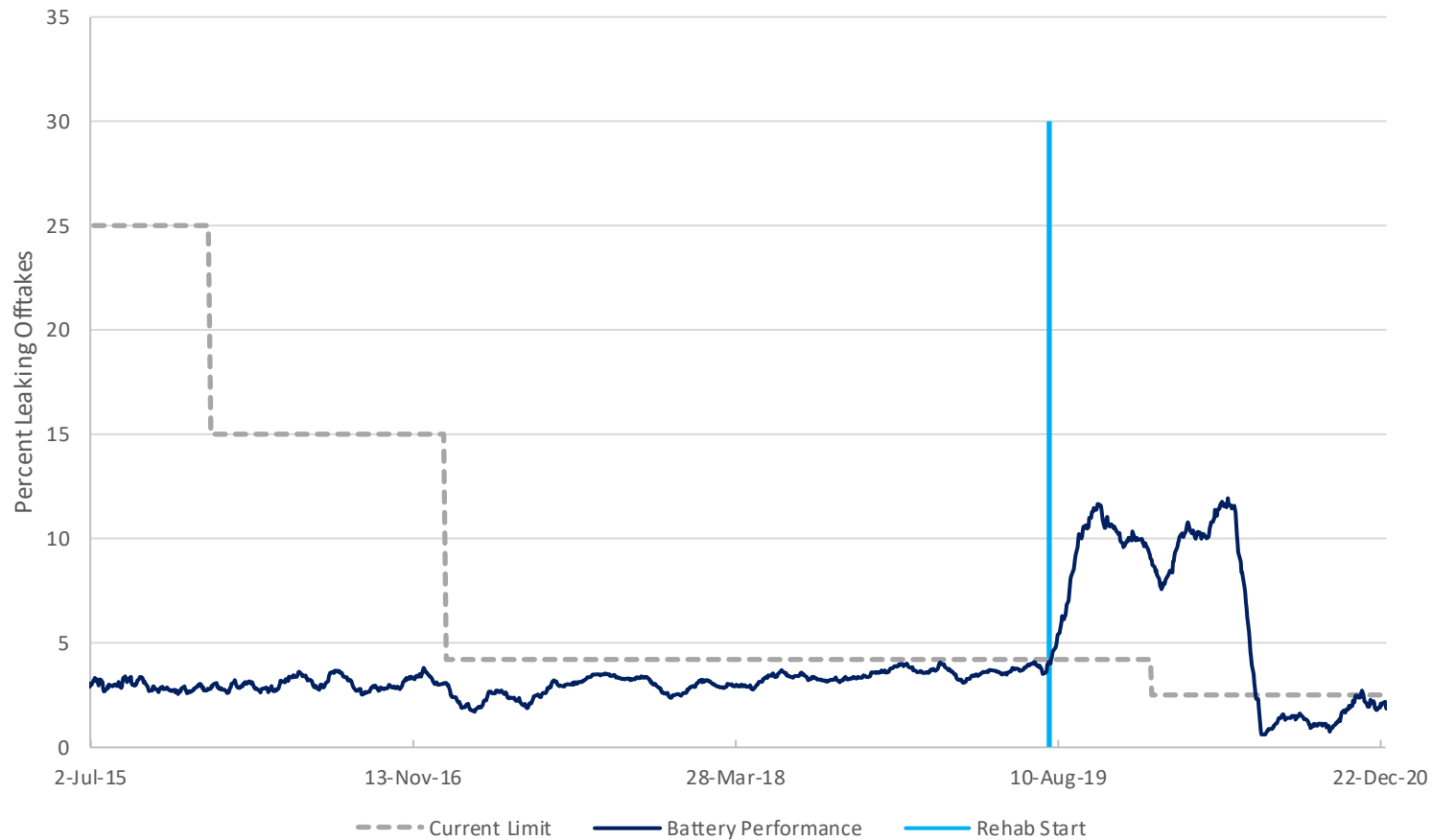
Action Item: 30 Day Rolling Average of Door Emissions



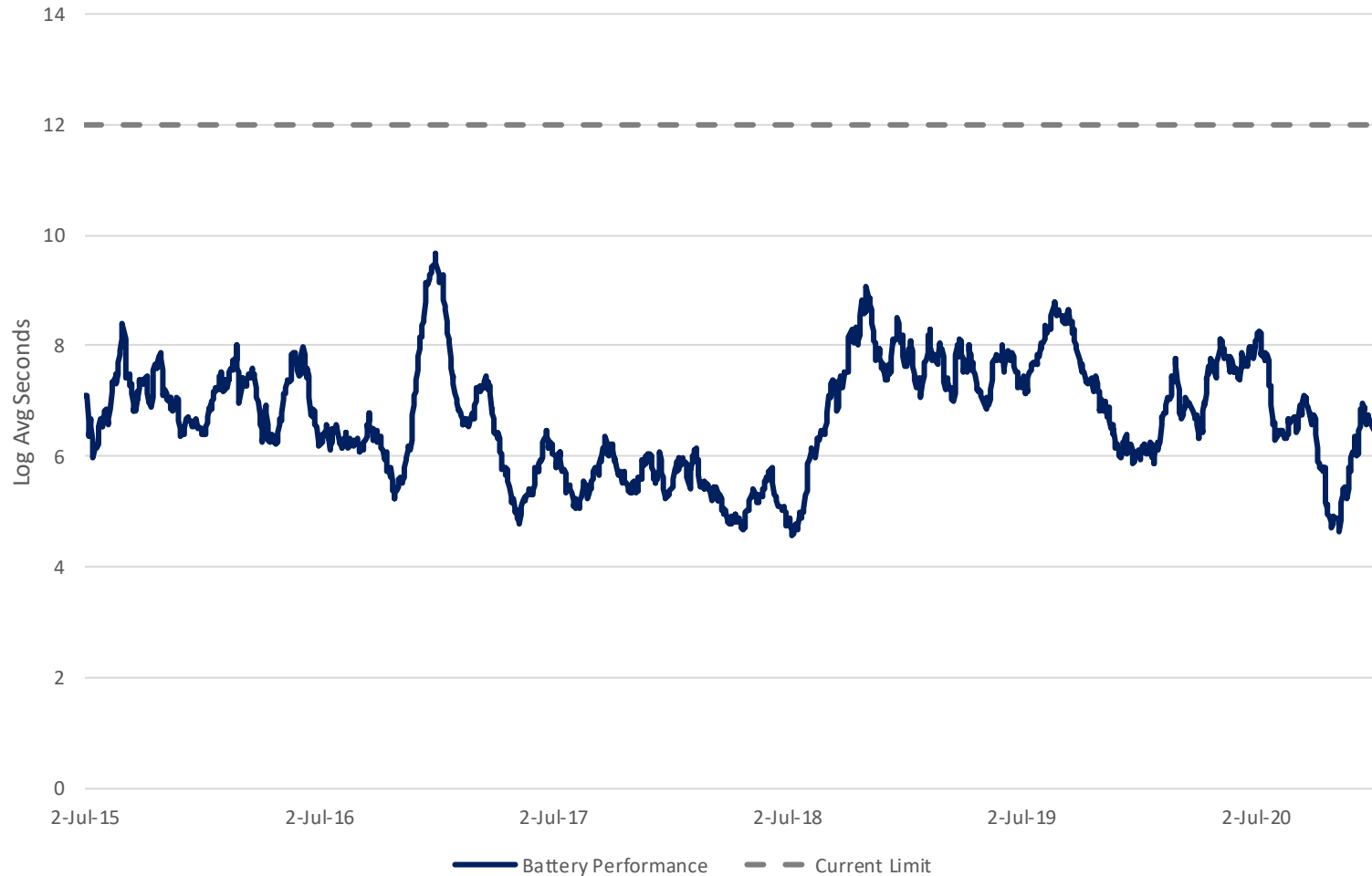
Action Item: 30 Day Rolling Average of Lid Emissions



Action Item: 30 Day Rolling Average of Offtake Emissions



Action Item: 30 Day Rolling Average of Charging Emissions



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 adapt to the conditions as well.

Summer

- Paved Roads – sweeping and vacuuming
- Unpaved Roads – applying calcium chloride, oiling and watering
- Coal piles – wetting with water tankers and sprinkler system; coal unloading by conveyor – water sprays installed on the conveyor; height of conveyor; monitor of wind speed – unloading stopped if wind gusts >40 km/hour; reclaiming of coal stopped if wind gusts > 30 km/hour – open cuts sealed with water or dust suppressant

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, sweeping and vacuuming when feasible
- Coal piles – water dust control reduced; inventory of coal is moved into storage piles that are oriented in the direction of the prevailing winds; storage piles sealed.

Spring

- Paved Roads – when temperature is consistently above freezing, roads are cleaned to remove any accumulated sand; sweeping and vacuuming resumes
- Unpaved roads – application of calcium chloride, oil and water
- Coal piles – low coal inventory; utilization of sprinkler system is reinstated in preparation for receiving boatloads of new coal; water tanker use increases

Community Feedback

Next Meeting Dates

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



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Thank You.

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