



The Steel Company of Canada

**Lake Erie Works
Community Liaison Committee Meeting
Q1 2021**

April 2021

Agenda

1. Introductions
2. Coke Battery Performance – Method 303 Results
3. Quarry Landfill Expansion Project
4. LEW Coke Battery Rehabilitation Project Update
5. Community Feedback
6. Adjournment

Coke Battery Performance – Method 303: Performance Review – Daily During Rehabilitation Project (Jan – Mar 2021)

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 - 2021 Thresholds	5%	1%	4%
Jan 1– Mar 31, 2020 Range (Average)	0.0 – 5.56% (1.64%)	0.0 – 2.63% (0.06%)	0.00 – 8.33% (1.73%)

Daily Measurements Performed

- All weekdays, except for holidays
- 2 Saturdays
- 3 Sundays

Jan 1 to Mar 31 Operational Adjustments

- 8 operational adjustments for offtakes
- 2 operational adjustments for doors
- 2 operational adjustments for lids

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



Coke Battery Performance – Method 303: Performance Review – 30 Day Rolling Averages During Rehabilitation Project (Jan – Mar 2021)

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 - 2021 Limits	4%	0.4%	2.5%	12 s
Jan 1 – Mar 31, 2021 Range (Average)	1.46 – 1.96% (1.69%)	0.00 – 0.09% (0.02)	1.27 – 2.37% (1.80%)	5.47 – 6.57s (6.01s)

Jan 1 – Mar 31, 2021 Performance

- In compliance with current performance limits

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

Coke Battery Performance – Method 303: Performance Review – Daily Observations – During Rehabilitation Project (Jan - Mar 2021)

Date	Pushing Emission (opacity %)
2015 Threshold (July 2 start)	≥ 50%
2016 – 2018	≥ 50%
2019	≥ 40%
2020 - 2021	≥ 30%
Jan 1 – Mar 31, 2021 Range (Average)	0 – 47% (6.43%)

January 1 – March 31, 2021 Operational Adjustments

- 2 operational adjustments for pushing

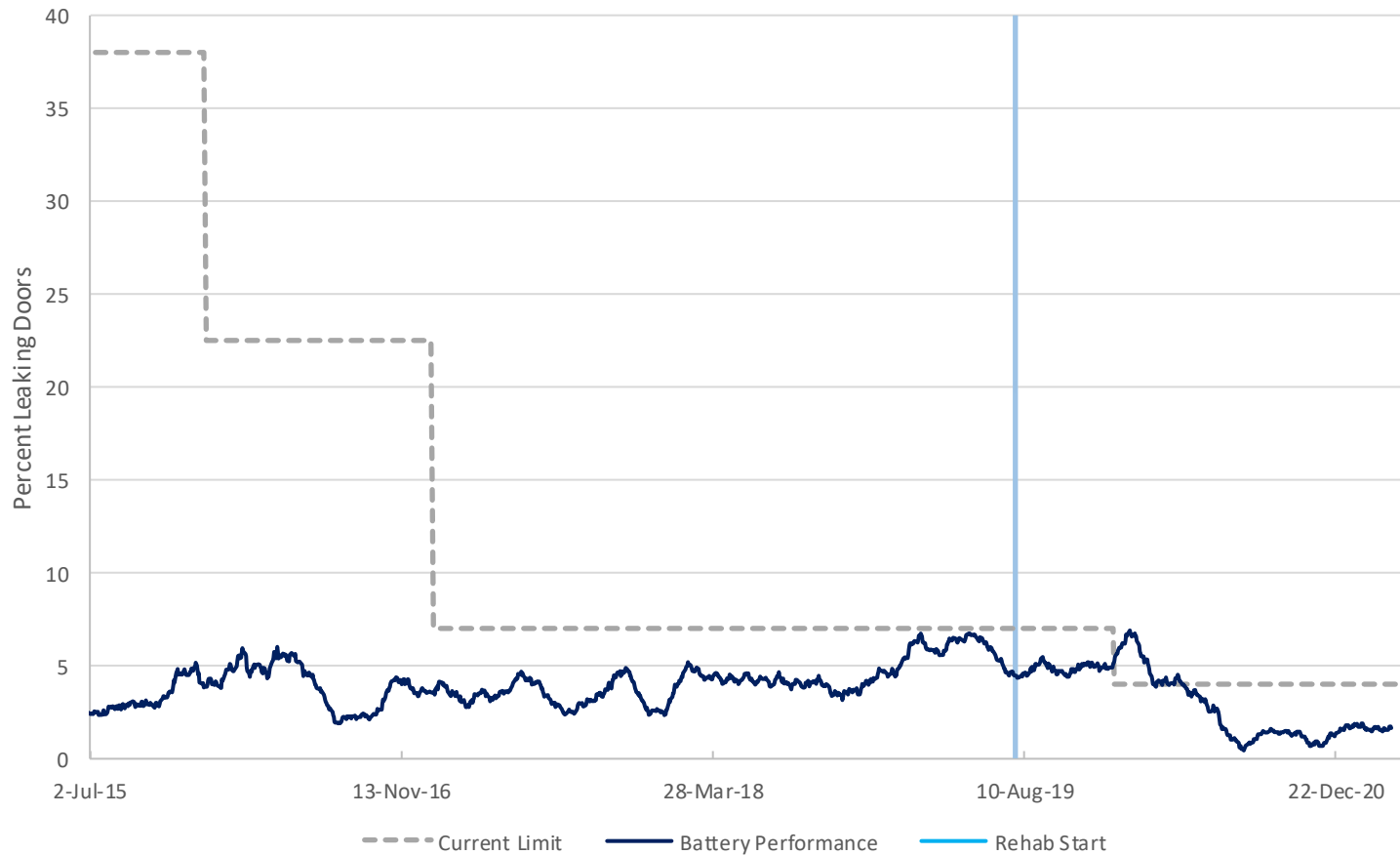
These results not reflective of typical performance due to on-going significant battery rehabilitation.



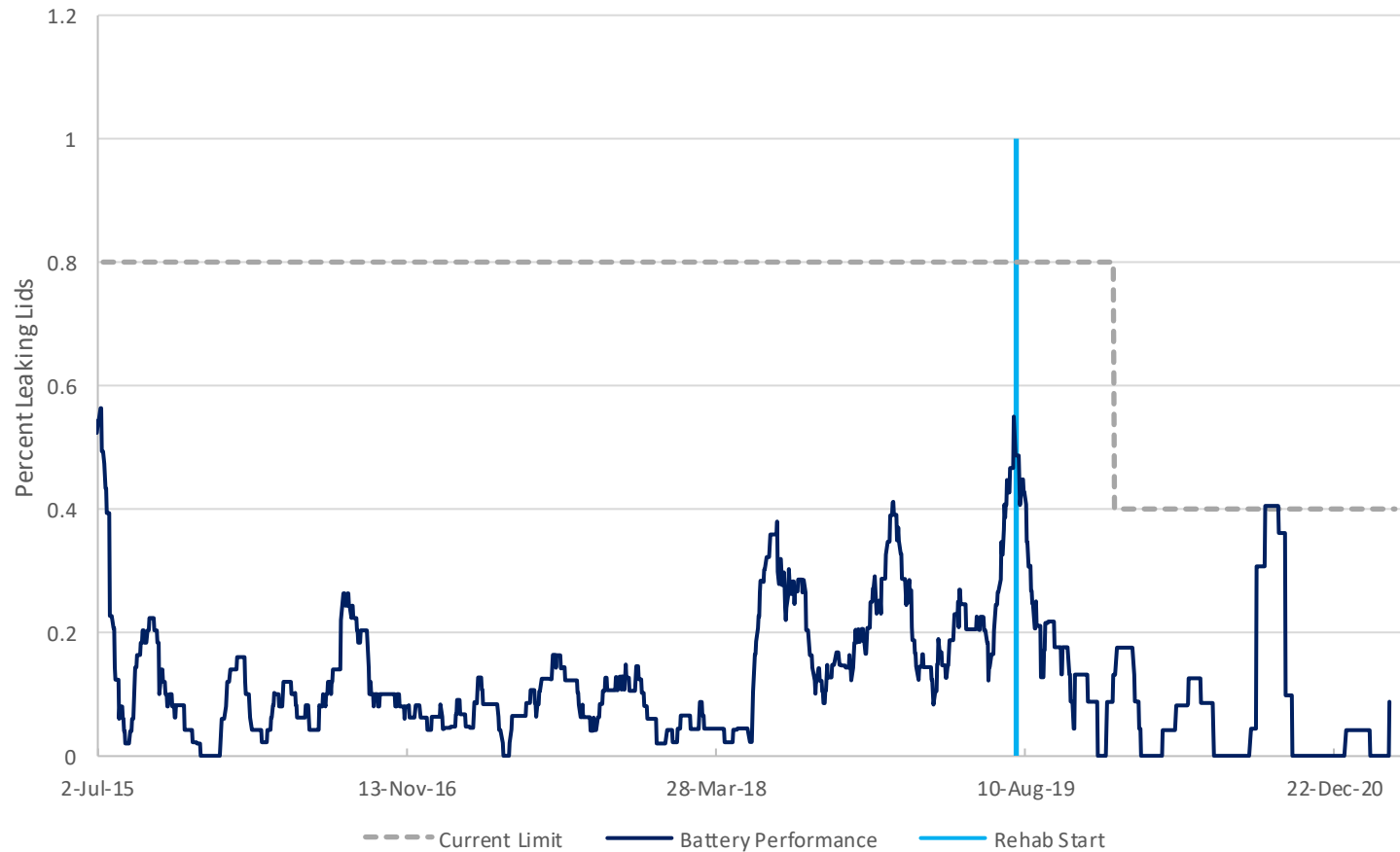
Coke Battery Performance – Method 303: Performance Review – Additional Items

- There were no community complaints for the period of Q1 2021 related to the Site-Specific Standard
- MECP to provide verbal comments

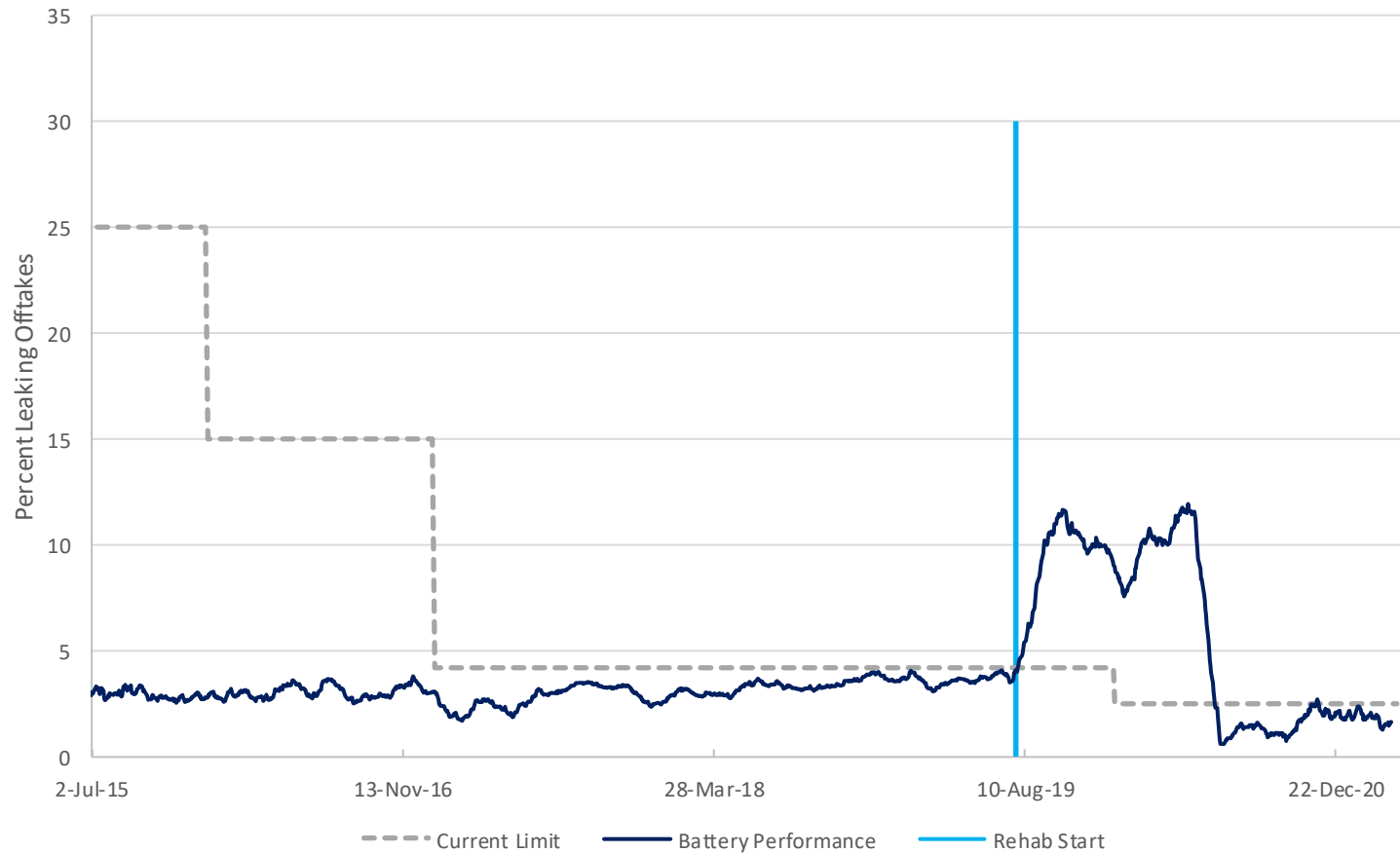
Action Item: 30 Day Rolling Average of Door Emissions



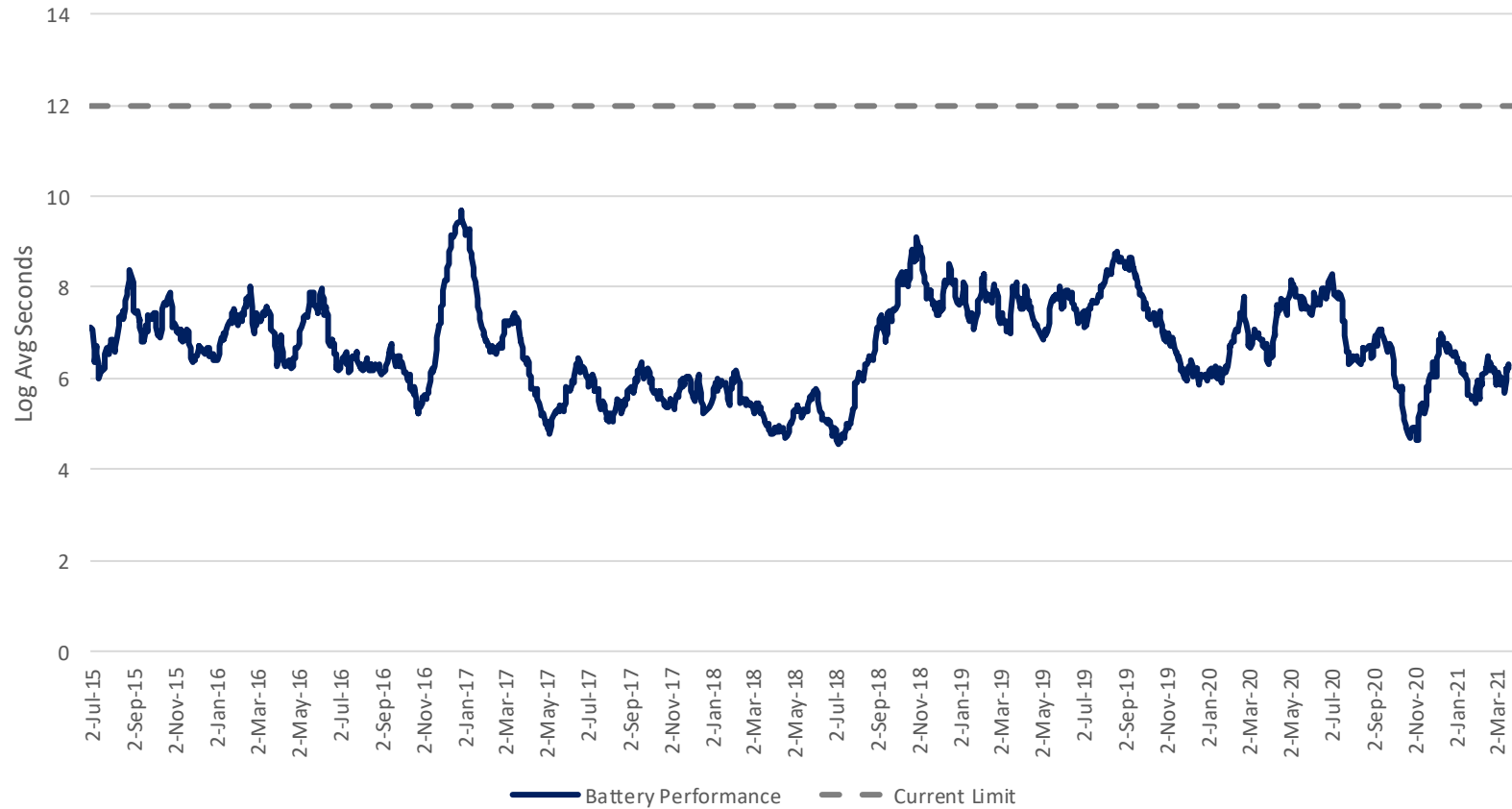
Action Item: 30 Day Rolling Average of Lid Emissions



Action Item: 30 Day Rolling Average of Offtake Emissions



Action Item: 30 Day Rolling Average of Charging Emissions



LEW Quarry Landfill Expansion Project

Project Scope

- The LEW quarry landfill houses non-hazardous waste materials that cannot be reused or recycled, and it forecast to reach its capacity in the next few years
- The use of an internal landfill reduces the burden on external landfills that have limited capacity for public use.
- To address the capacity limitations and to prevent adverse impacts on public landfill capacity, Stelco Lake Erie Works is preparing to initiate an Environmental Assessment to expand the quarry landfill.
- The proposal may also include the disposal of historical non-hazardous secondary materials from Hamilton Works.
- Project information pertinent to the public will be either published in local newspapers or made available through Stelco's website.
- This process is expected to take several years to complete, during which time we will continue to consult with the CLC.

LEW Coke Battery Rehabilitation Project Update

Community Feedback

Next Meeting Dates

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



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Thank You.

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