



The Steel Company of Canada

Hamilton Works Community Liaison Committee Meeting Q2 2021

July 2021

Agenda

1. Introductions
2. Draft Summary Note – 28 April 2021 meeting
3. Coke Battery Performance Summary –Q2 2021
4. #1 Baywater Intake – Recent Maintenance Dredging
5. Additional Updates
6. Community Feedback
7. Next Meeting
8. Adjournment

Coke Battery Performance Review – Daily (Particulates)

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)
2015 July 2-Dec 31 Thresholds	54%	2%	NA
2016 Thresholds	32%	2%	NA
2017-2019 Thresholds	10%	2%	5%
2020-2021 Thresholds	5%	1%	4%
Apr – Jun 2021 Range (Average)	0 – 4.23% (1.02%)	0 – 0.77% (0.17%)	0 – 2.47% (0.71%)

Daily Measurements Performed YTD

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

Apr – Jun Operational Adjustments

- None required

Performance Review – 30 Day Rolling Averages (Particulates)

Date	Doors (% Leaks)	Lids (% Leaks)	Off-takes (% Leaks)	Charging (sec) (log avg)
2015 July 2-Dec 31 Thresholds	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
Apr – Jun 2021 Range (Average)	0.63 – 1.44% (0.95%)	0.09 – 0.24% (0.16%)	0.12 – 1.05% (0.48%)	3.52 – 5.85s (4.41s)

Jun – Apr Performance

- In compliance with 2021 limits

Performance Review – Daily Observations – Pushing Emissions (Particulates)

Date	Pushing Emission (opacity %)
2015 Limit (July 2 start)	≥ 50%
2016 – 2018	≥ 50%
2019	≥ 40%
2020 - 2021	≥ 30%
Apr – Jun Range (Average)	0 – 28.33% (7.58%)

Apr – Jun Operational Adjustments (0 exceedances)

- None required

Coke Battery Performance Review – Additional Items

Community Complaints:

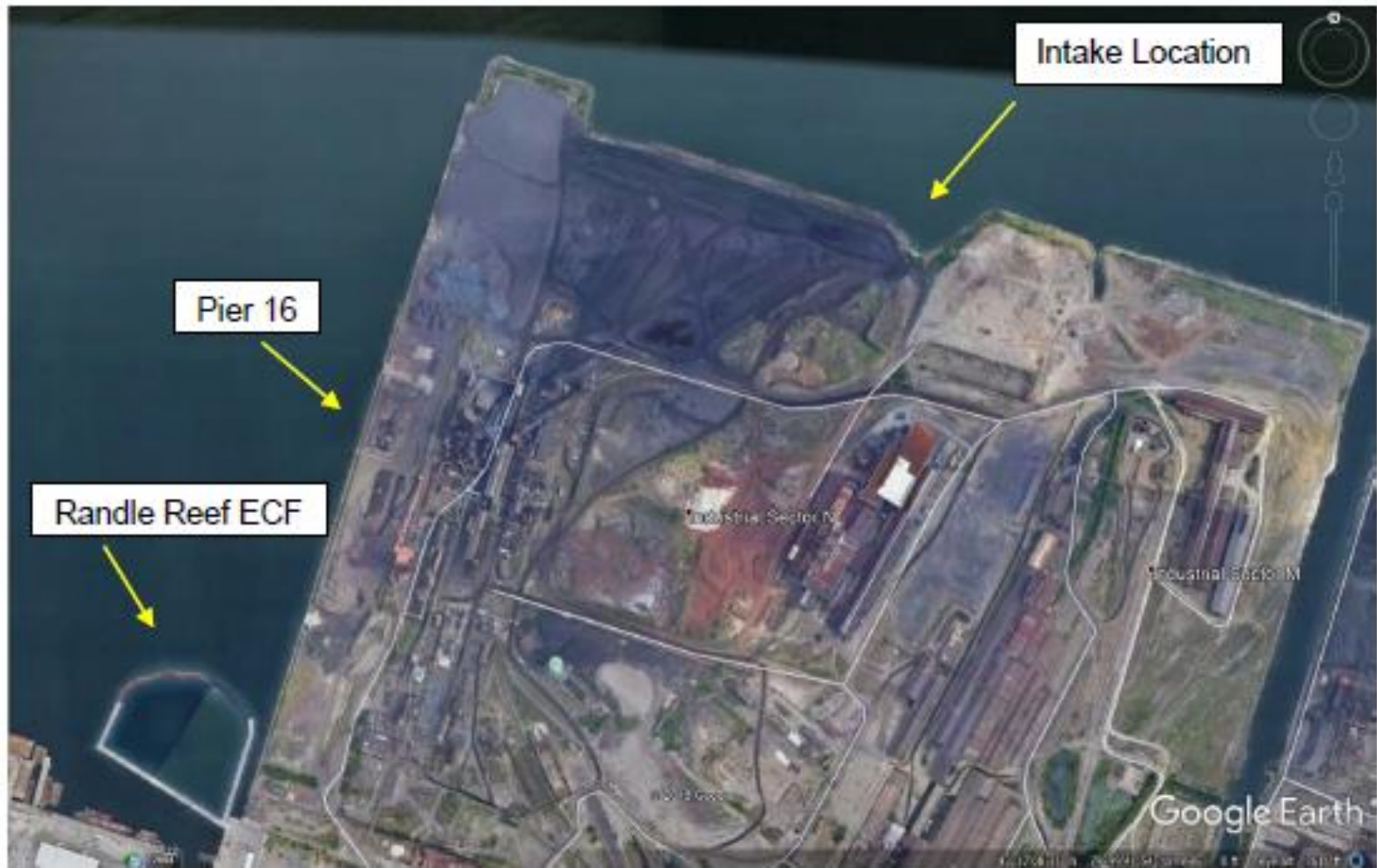
- No complaints attributable to Stelco's operations were received, however the following general enquiries were investigated:
 - April 9, 2021: MECP - Rotten egg or sulphur-like odour in North Hamilton
 - A boiler was undergoing scheduled maintenance work; followed typical procedures to bring boiler offline including purging of gas line to pilot lights
 - Low residual gas within this system and slow purging was conducted – unlikely source of off-site odour
 - May 5, 2021: Hamilton-Oshawa Port Authority - enquiry of odour described as metallic and of a petroleum nature
 - No unusual activities identified at Stelco
 - Predominant winds were not from Hamilton Works direction
 - May 10, 2021: Odour complaint from resident on Martimas Ave.
 - No unusual activities identified at Stelco
 - Resident location is also near other potential sources

#1 Baywater Intake – Recent Maintenance Dredging

Background

- Stelco's #1 Baywater intake is located at the north side of the plant. Water from Hamilton Harbour is used for dust control on our coalfield plant roadways
- It was observed that the water flow was reduced as the water tankers were being filled
- Inspection showed that silt and sediment had built up around the pipe

Aerial View



Dredging Overview

- To conduct maintenance dredging, Stelco obtained a permit from Hamilton Conservation Authority
- Assessment by third party coastal engineer
- Furthermore, obtained approval from Department of Fisheries and Oceans and the Ministry of Natural Resources and Forestry
- Dredging was completed within 20 calendar days

Dredging Overview (cont'd)



Prior to dredging, a silt curtain was installed completely around the structure to contain any silt during the excavation work.

The sediment on either side of the pipe was dredged with a long reach excavator. The excavated silt and sediment was placed on the bank to dewater prior to disposal.



Dredging Overview (cont'd)

- Once the sediment was dredged from around the pipe, the intake screen was removed and divers cleaned the accumulated silt inside the pipe using an airlift hanging from the long reach excavator and a diver assisted venture dredge. After cleaning, the intake screens were reinstalled
- The excavated sediment was removed from the bank and the coalfield berm was replaced
- A notice of work completion was submitted to Hamilton Conservation Authority



#1 Baywater Intake – Dredging Completed



Additional Updates

- Application for an Environmental Compliance Approval for waste receiver (existing wastewater treatment facility) with limited operational flexibility is on Environmental Registry for public consultation
 - Previously discussed with CLC in 2020
- Amended Site-Specific Standard for benzo[a]pyrene: Continual Improvement

Description	Standard (ug/m ³) (Annual)
Site-Specific Standard (July 2016-2019)	0.0079
Site-Specific Standard (2020-June 2021)	0.0047
Amended Site-Specific Standard (June 2021- June 2023)	0.0045

Community Feedback

Next Meeting

- Wed. October 27, 2021



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Thank You.

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