

Community Liaison Committee Meeting #52

Tuesday March 18, 2025



ALGOMA
— STEEL INC. —

Building Better Lives and a Greener Future

Safety • Teamwork • Integrity • Caring

With every decision, every action, every day, we will work safely with teamwork, integrity and deep care for our people, their families and the environment.

Agenda

1. Review of December 10th, 2024 Meeting Notes
2. Review CLC Term of Reference Proposed Revision
3. Membership Items
4. Cokemaking Emissions Performance
5. Review 2024 Fourth Quarterly Report – Ambient Air Quality Monitoring Program
6. Electric Arc Steelmaking and Environmental Permit Applications
7. Legacy Environmental Action Plan
8. Community Engagement
9. Next Meetings

Proposed Revision to CLC Committee Terms of Reference

After reviewing the current Terms of Reference for the CLC committee, Algoma Steel would like to propose a change. Specifically, we suggest the following revision to the "Membership" section:

Current wording:

"One member representing the First Nations"

Proposed change:

"One member representing each local First Nation"

Membership

Current Members and Alternates

Representation

Algoma Steel

MECP

Public

Public

SSM Tribe of Chippewa Indians

Algoma Public Health

Chippewa County Health Dept.

Batchewana First Nation

Garden River First Nation

City of Sault Ste. Marie

United Steel Workers Local 2251

St. Mary's River RAP Coordinator

Primary Member

Corey Jackson

Lori Jalak

David Trowbridge

Jillian Marquis

TBD

Melissa Francella

Steve Carey

Dan Sayers Jr.

Andrew Mallette

Catherine Taddo

Wayne Hubbard

Lisa Derickx

Alternate

Giancarlo Perra

Rick Lalonde

Anton Schoahs

Dan Gabor

Virginia Huber

Suzanne Lieurance

Richard Perrault

Maggie McAuley

Dennis Gagne

Cokemaking Emissions Performance

Key Performance Indicators related to Cokemaking Emissions:

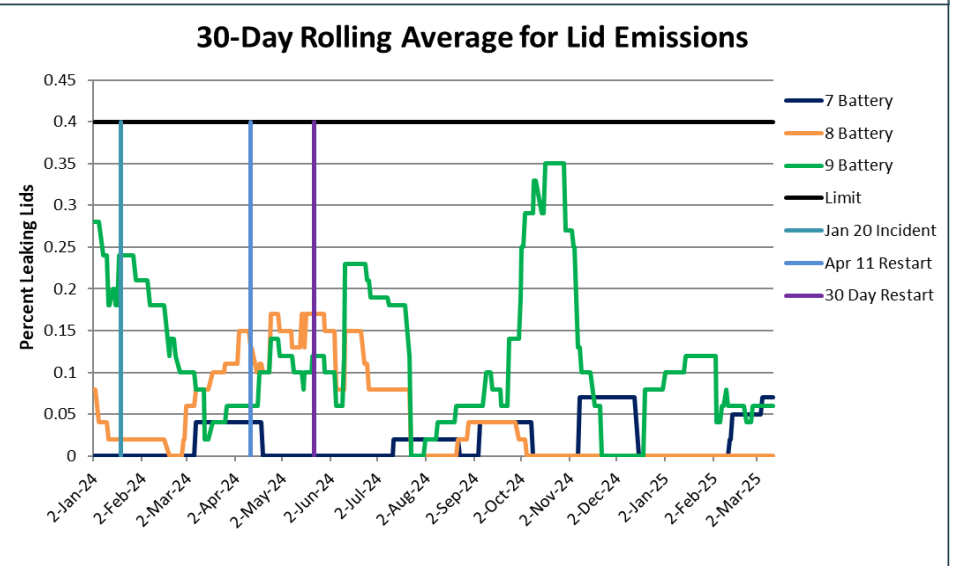
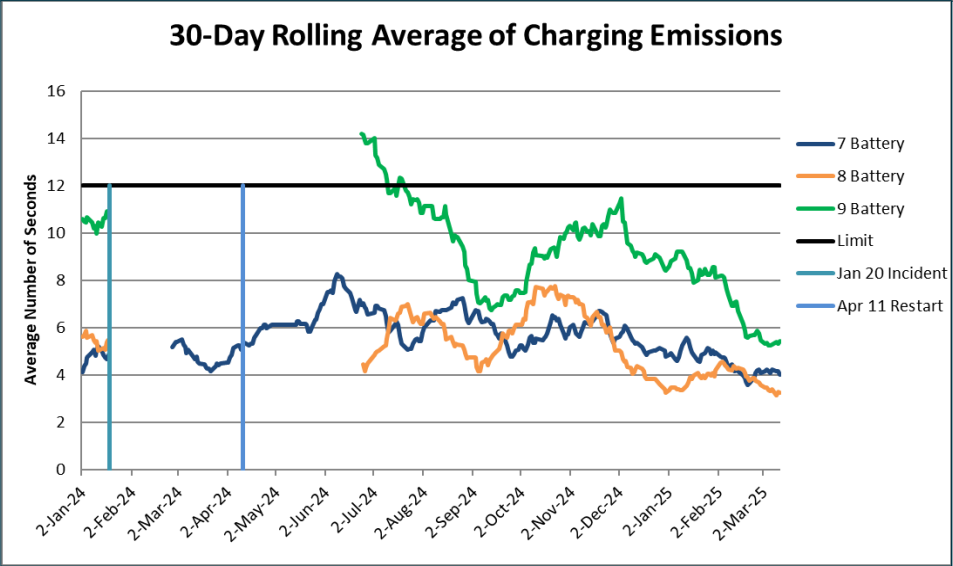
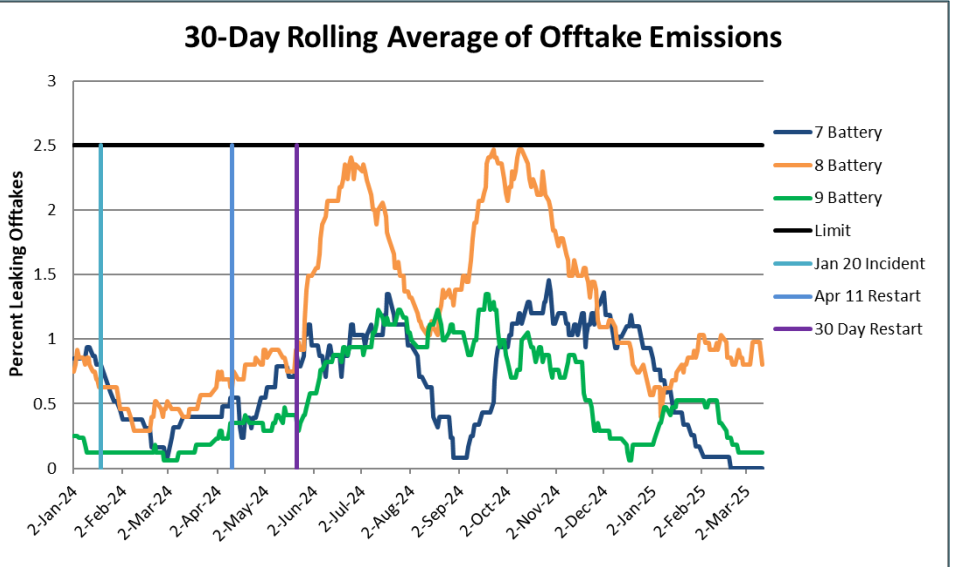
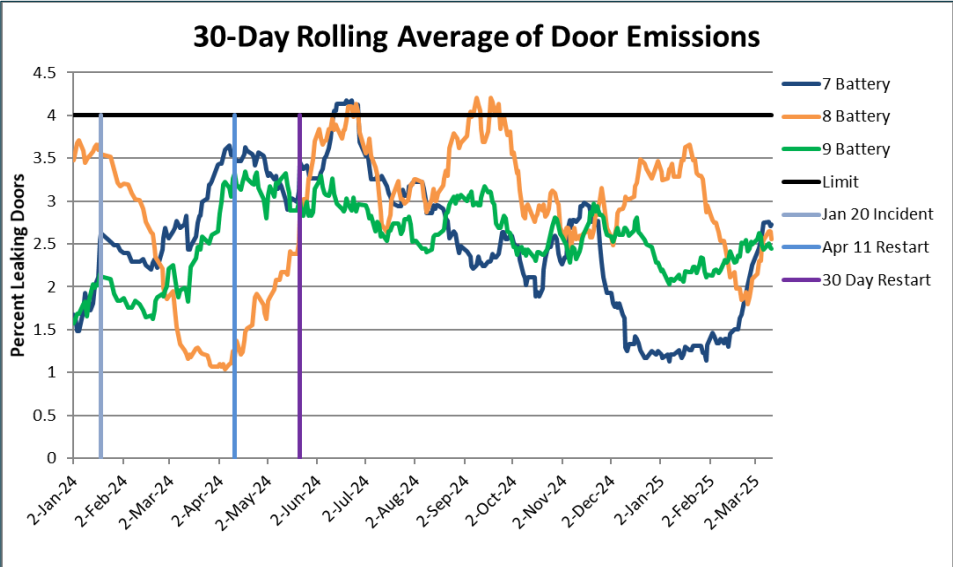
- average intensity of pushing emissions
- average duration of charging emissions
- % lid leaks
- % off-takes leaks
- % door leaks
- Performance is monitored and calculated daily for each battery

Progressive Annual Reduction

30 Day Rolling Average %					
Implementation Date	Doors	Lids	Off-takes	Charging Emissions	Pushing Opacity (%)
July 2, 2015	38	0.8	25	12 sec	50
Jan. 1, 2016	22.5	0.8	15	12 sec	50
Jan. 1, 2017	7	0.8	4.2	12 sec	50
Jan. 1, 2019	7	0.8	4.2	12 sec	40
Jan. 1, 2020 onward	4	0.4	2.5	12 sec	30

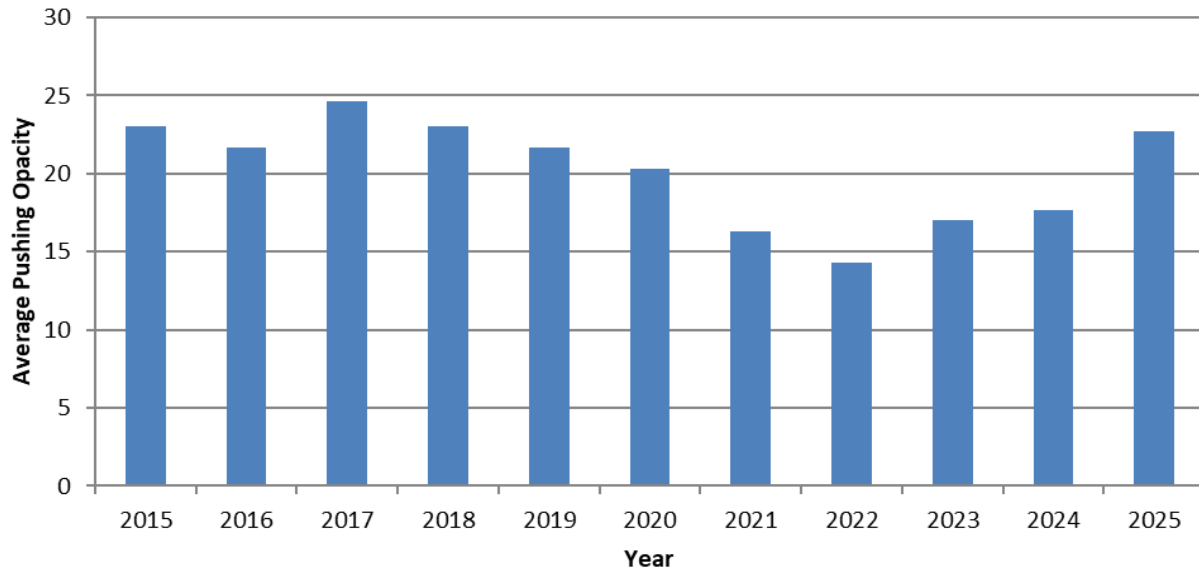
Algoma Steel is meeting the current leak limits on all three batteries.

Cokemaking Emissions Performance

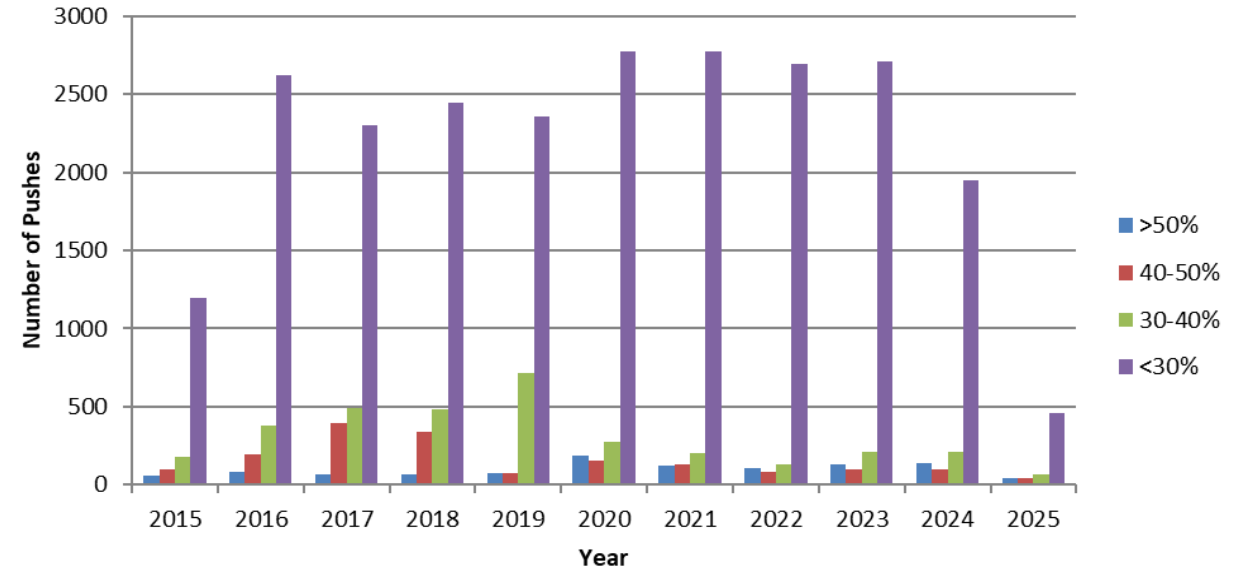


Cokemaking Emissions Performance

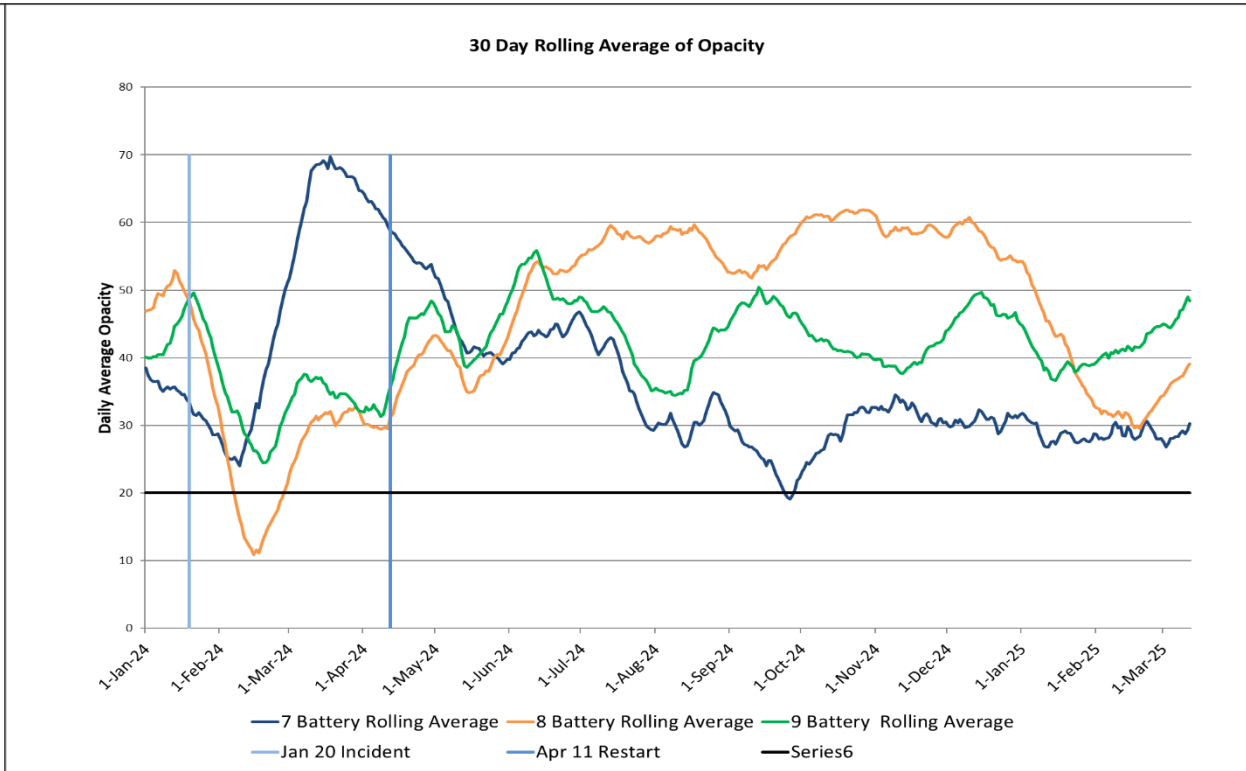
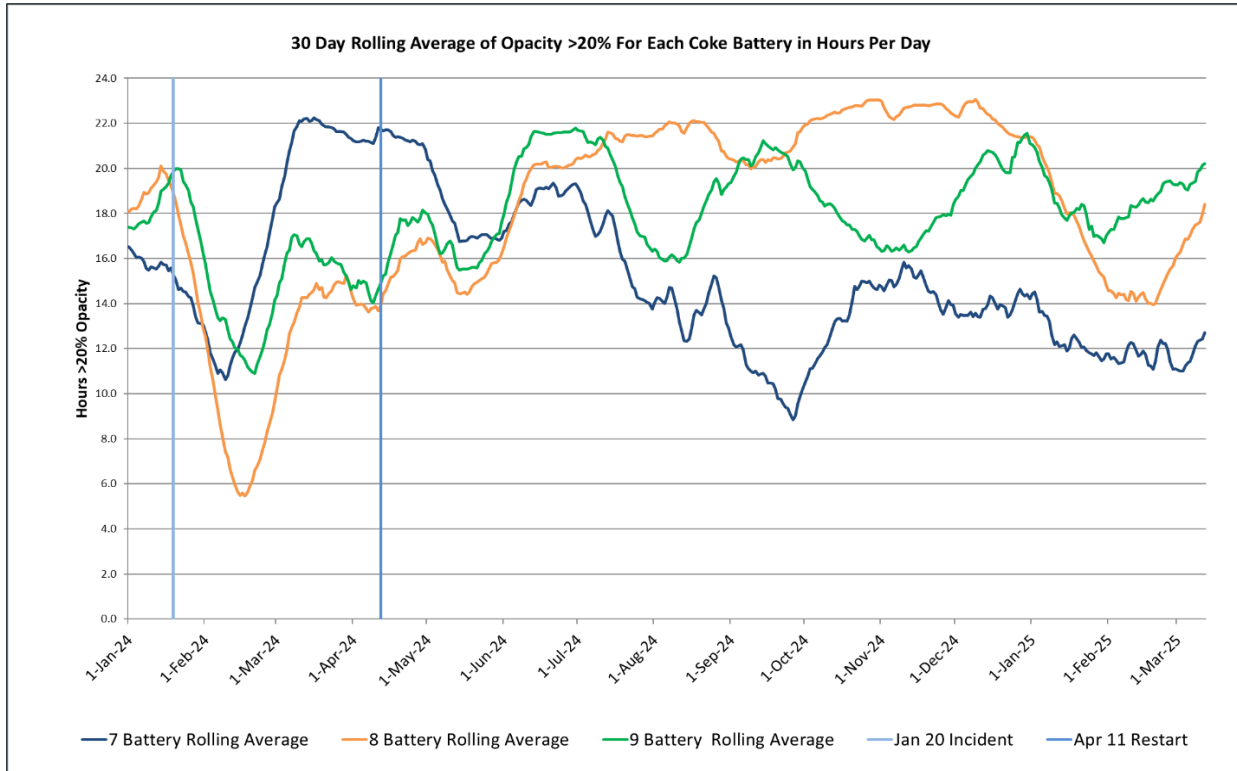
All Batteries Average Pushing Opacity by Year



Number of Audited Pushes by Opacity



Cokemaking Stack Opacity



2024 Fourth Quarterly Report – Ambient Air Quality Monitoring Program

Parameter	Units	Maximum	Minimum	Arithmetic Mean (Quarterly)	Standard	Number of Excursions	Guideline, AAQC Criteria
Bonney Street Station (71042)							
Continuous Parameters (Quarterly)							
Total Reduced Sulphur (TRS) – 10 minute	ppb	76.0	0	2.07	10 ppb (10-minute)	1,322	10 ppb (10-minute)
Total Reduced Sulphur (TRS) – 24 hour	ppb	20.6	0	2.90	5 ppb (24-hour)	20	5 ppb (24-hour)
Sulfur Dioxide (SO ₂) – 10 minute	ppb	91.9	0	1.26	67 ppb (10-minute)	26	67 ppb (10-minute)
Sulfur Dioxide (SO ₂) – 1 hour	ppb	75.2	0	1.26	40 ppb (1-hour)	98	40 ppb (1-hour)
Sulfur Dioxide (SO ₂) – 24 hour	ppb	20.0	0	20.0	100 ppb (24-hour)	0	100 ppb (24-hour)
Particulate Matter less than 10 microns (PM ₁₀) – 24 Hour	µg/m ³	130	3.73	28.4	N/A	16	50 µg/m ³ (AAQC 24-hour)
Particulate Matter less than 2.5 microns (PM _{2.5}) – 24 Hour	µg/m ³	25.3	0.53	9.38	N/A	0	27 µg/m ³ (AAQC 24-hour)
Non-Continuous Parameters (Quarterly)							
Total Suspended Particulate (TSP)	µg/m ³	417	76.0	179	120 µg/m ³ (24-hour)	10	120 µg/m ³ (24-hour)
Total Suspended Particulate Ferric Oxide	µg/m ³	44.8	1.21	8.75	25 µg/m ³ (24-hour)	1	25 µg/m ³ (24-hour)
Total Suspended Particulate Manganese	µg/m ³	1.79	0.033	0.327	0.4 µg/m ³ (24-hour)	5	0.4 µg/m ³ (24-hour)
Total Suspended Particulate Metals (TSP Metals except Manganese, Ferric Oxide)	µg/m ³	Various Parameters - No Excursions to Report					
Volatile Organic Compounds (for VOCs except Benzene)	µg/m ³	Various Parameters – No Excursions to Report					
Volatile Organic Compounds (Benzene)	µg/m ³	3.32	0.260	1.53	0.45 (Annual)	2	2.3 µg/m ³ (24-hour)
Volatile Organic Compounds – Benzene (Passive Sampling)	µg/m ³	0.64	<MDL	0.36	0.45 (Annual)	0	2.3 µg/m ³ (24-hour)
Poly-cyclic Aromatic Hydrocarbons – Benzo(a)pyrene (Passive Sampling)	ng/m ³	0.012	0.012	0.012	0.01 ng/m ³ (Annual)	0	0.05 ng/m ³ (24-hour)
Poly-cyclic Aromatic Hydrocarbons (Benzo(a)pyrene)	ng/m ³	2.63	0.061	0.862	0.01 ng/m ³ (Annual)	7	0.05 ng/m ³ (24-hour)

2024 Fourth Quarterly Report – Ambient Air Quality Monitoring Program

Parameter	Units	Maximum	Minimum	Arithmetic Mean (Quarterly)	Standard	Number of Excursions	Guideline, AAQC Criteria
Fourth Avenue – David Kyle Park Station (71082)							
Continuous Parameters (Quarterly)							
Total Reduced Sulphur (TRS) – 10 minute	ppb	28.7	0	0.78	10 ppb (10-minute)	436	10 ppb (10-minute)
Total Reduced Sulphur (TRS) – 24 hour	ppb	23.9	0	2.49	5 ppb (24-hour)	5	5 ppb (24-hour)
Sulfur Dioxide (SO ₂) – 10 minute	ppb	67.4	0	0.23	67 ppb (10-minute)	1	67 ppb (10-minute)
Sulfur Dioxide (SO ₂) – 1 hour	ppb	49.9	0	0.23	40 ppb (1-hour)	47	40 ppb (1-hour)
Sulfur Dioxide (SO ₂) – 24 hour	ppb	13.5	0	13.5	100 ppb (24-hour)	0	100 ppb (24-hour)
Particulate Matter less than 10 microns (PM ₁₀) – 24 hour	µg/m ³	76.5	0.73	21.0	N/A	11	50 µg/m ³ (24-hour)
Particulate Matter less than 2.5 microns (PM _{2.5}) – 24 Hour	µg/m ³	18.9	0.46	5.42	N/A	0	27 µg/m ³ (AAQC 24-hour)
Non-Continuous Parameters (Quarterly)							
Parameter	Units	Maximum	Minimum	Arithmetic Mean (Quarterly)	Standard	Number of Excursions	Guideline, AAQC Criteria
Total Suspended Particulate (TSP)	µg/m ³	198	<MDL	67.5	120 µg/m ³ (24-hour)	2	120 µg/m ³ (24-hour)
Total Suspended Particulate Manganese	µg/m ³	0.557	<MDL	0.075	0.4 µg/m ³ (24-hour)	1	0.4 µg/m ³ (24-hour)
Total Suspended Particulate Metals (TSP Metals except Manganese)	µg/m ³	Various Parameters – No Excursions to Report					
Volatile Organic Compounds (VOCs)	µg/m ³	Various Parameters – No Excursions to Report					
Poly-cyclic Aromatic Hydrocarbons (Benzo(a)pyrene)	ng/m ³	0.344	0.02	0.08	0.01 ng/m ³ (Annual)	2	0.05 ng/m ³ (24-hour)

2024 Fourth Quarterly Report – Ambient Air Quality Monitoring Program

Parameter	Units	Maximum	Minimum	Arithmetic Mean (Quarterly)	Standard	Number of Excursions	Guideline, AAQC Criteria
West & Cathcart Station (71083)							
Continuous Parameters (Quarterly)							
Total Reduced Sulphur (TRS) – 10 minute	ppb	20.5	0	1.36	10 ppb (10-minute)	6	10 ppb (10-minute)
Total Reduced Sulphur (TRS) – 24 hour	ppb	4.84	0	2.08	5 ppb (24-hour)	0	5 ppb (24-hour)
Sulfur Dioxide (SO ₂) – 10 minute	ppb	60.1	0	0.72	67 ppb (10-minute)	0	67 ppb (10-minute)
Sulfur Dioxide (SO ₂) – 1 hour	ppb	48.2	0	0.72	40 ppb (1-hour)	15	40 ppb (1-hour)
Sulfur Dioxide (SO ₂) – 24 hour	ppb	12.6	0	12.6	100 ppb (24-hour)	0	100 ppb (24-hour)
Particulate Matter less than 10 microns (PM ₁₀) – 24 hour	µg/m ³	54.7	2.74	15.3	N/A	1	50 µg/m ³ (AAQC 24-hour)
Particulate Matter less than 2.5 microns (PM _{2.5}) – 24 Hour	µg/m ³	17.1	1.09	6.26	N/A	0	27 µg/m ³ (AAQC 24-hour)
Non-Continuous Parameters (Quarterly)							
Total Suspended Particulate (TSP)	µg/m ³	196	<MDL	81.8	120 µg/m ³ (24-hour)	4	120 µg/m ³ (24-hour)
Total Suspended Particulate Manganese	µg/m ³	0.427	0.007	0.100	0.4 µg/m ³ (24-hour)	1	0.4 µg/m ³ (24-hour)
Total Suspended Particulate Metals (TSP Metals)	µg/m ³	Various Parameters – No Excursions to Report					
Volatile Organic Compounds (VOC)	µg/m ³	Various Parameters - No Excursions to Report					
Poly-cyclic Aromatic Hydrocarbons (Benzo(a)pyrene)	ng/m ³	0.625	0.0184	0.176	0.01 ng/m ³ (Annual)	4	0.05 ng/m ³ (24-hour)

2024 Fourth Quarterly Report – Ambient Air Quality Monitoring Program

Parameter	Units	Maximum	Minimum	Arithmetic Mean (Quarterly)	Standard	Number of Excursions	Guideline, AAQC Criteria
Wallace Terrace Station (71090)							
Volatile Organic Compounds – Benzene (Passive Sampling)	µg/m ³	<MDL	<MDL	<MDL	0.45 (Annual)	0	2.3 µg/m ³ (24-hour)
Poly-cyclic Aromatic Hydrocarbons – Benzo(a)pyrene (Passive Sampling)	ng/m ³	0.00235	0.00235	0.00235	0.01 ng/m ³ (Annual)	0	0.05 ng/m ³ (24-hour)
Parameter	Units	Maximum	Minimum	Arithmetic Mean (Quarterly)	Standard	Number of Excursions	Guideline, AAQC Criteria
Dustfall Monitoring Stations							
Non-Continuous Parameters (Quarterly)							
Bonney Street Dustfall Station (71042)*	g/m ² /30day	14.4	3.48	8.29	7.00	2	7.00
Adelaide Street Dustfall Station (71045)*	g/m ² /30day	4.05	1.35	2.77	7.00	0	7.00
Spadina Street Dustfall Station (71015)*	g/m ² /30day	9.19	3.22	5.65	7.00	1	7.00
Wilding Avenue Dustfall Station (71043)*	g/m ² /30day	6.85	2.21	4.10	7.00	0	7.00



ALGOMA
— STEEL INC. —

Building a New Era in Steelmaking





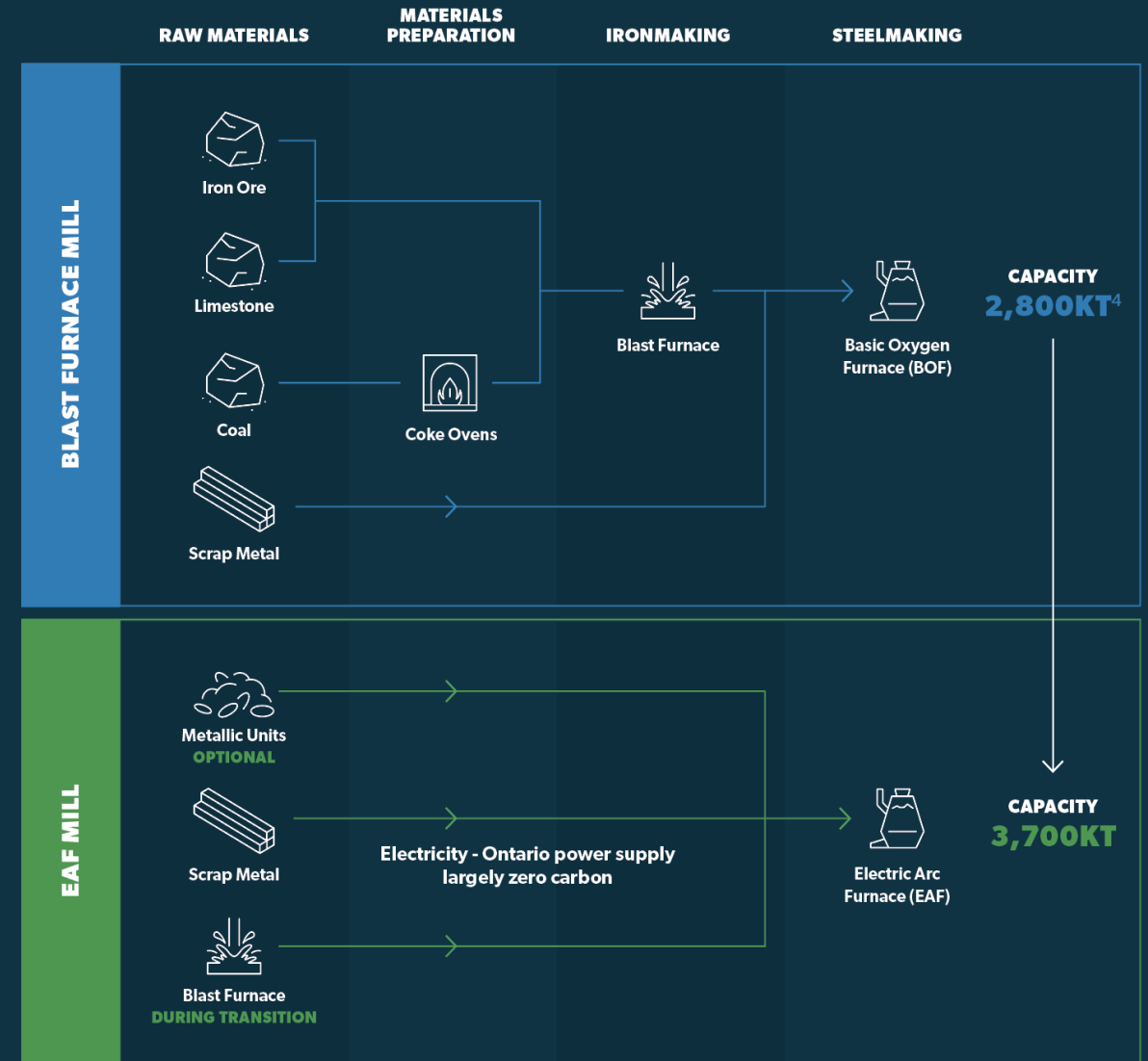
A Generational Investment Unlocking Significant Value

Expected Benefits

- Adds ~700kt of finished steel capacity aligning steelmaking capacity to rolling capacity.
- ~70% fewer total CO₂ emissions (annual reduction of 3 million tonnes of CO₂).
- More flexible operations capable of responding dynamically to market conditions.
- Reduced sustaining CapEx.
- Improves employee productivity (as measured in tons per employee).

Transforms Algoma Steel into a North American green steel producer.

(4) Excludes BF#6 which is currently idled.



EAF Local Economic Impact by the Numbers

51

Local Suppliers Engaged

500

Construction Jobs Created

\$880M

Project Commitments

Project spend as of December 31, 2024

\$740M

\$202M

Community spend as of February 28, 2025



Dust system complete.



Axial Cyclone installation on Baghouse



EAF #2 ready for assembly and installation.

Algoma Steel's Shrinking Environmental Footprint: Long-Term Advantages of Electric Arc Steelmaking

		Reduction ¹	% Reduction
GHG EMISSIONS	CO ₂	3.0mm tonnes	70%
	CO ₂ /NT PRODUCTION	1.33 tonnes	75%
SO _x EMISSIONS		4,060 tonnes	82%
NO _x EMISSIONS		1,604 tonnes	52%
STACK & FUGITIVE EMISSIONS		Complete elimination of Stack and Fugitive Emissions	100%

- Algoma expected to become one of the leading producers of green steel in North America.
- Improves competitiveness for government spending programs where ESG is a criteria.
- Improves profile with select customers who are similarly ESG focused.
- Improves employee engagement.
- Reduction of greenhouse gas emissions may provide for lower annual repayment on the SIF loan.



Greenwashing Disclaimer: The projected carbon emissions reductions presented in this document are based on calculations derived from legacy data. These projections utilize international standards and benchmarks for electric arc steelmaking (EAF) and related processes. While every effort has been made to ensure accuracy, these calculations may not fully reflect the latest technological advancements, operational changes, or real-time emissions data. Actual reductions in carbon emissions may vary based on site-specific factors, new innovations, and evolving industry practices. This information should not be interpreted as a definitive guarantee of future environmental performance or sustainability outcomes.

Transition to Electric Arc Furnace Steelmaking: Environmental Compliance Approvals

1 Environmental Compliance Approval for air and noise based on the facilities associated with the transition to electric arc furnace steelmaking. Application to include:

- Two new EAF exhaust treatment plants including baghouses
- A new cooling tower

[Click Here](#) to see the ERO posting.

2 Amendment to the existing industrial sewage works Environmental Compliance Approval that incorporates:

New recirculating non-contact cooling water system (with a small blowdown to the existing water treatment facility)

No new contaminant loading to the existing treatment facility

Over the course of the transition, contaminant loading to the water treatment facility will decrease. Up to five existing effluent discharges and up to seven existing noise sources will be eliminated.





Alternate Standard Requests

New Standards will govern the operating transition to electric arc steelmaking

- Algoma steel has prepared an Abatement Plan, which has been accepted by the MECP, to bridge the gap until an alternate standard is available under O.Reg. 419.
- The Abatement Plan is an evolving emissions management plan which aligns with industry best practices and future requirements of the ITS.
- A separate ERO posting will be issued for the alternative standard when available and an ECA amendment will be required to align with the alternative standard.

Shoreline Stabilization, Sawmill Bay Dredging, and Site Greening

Algoma's shoreline stabilization project consists of a four year plan to **install 4.1 km of shoreline protection** along the St. Mary's River to prevent future erosion. As of December 2024, the project is valued at \$4.07 million.

The project will resume this summer with the placement of the clean rip-rap and armour stone. Dredging work was undertaken in September and will resume in 2025 to improve vessel access to Sawmill Bay Dock.

Once the stone is installed, the Site Greening Initiative will proceed in parallel with the introduction of clean soils, creating seasonal surface water ponding areas, and vegetating with select native plants and tree species. This will be done in **collaboration with Sault College**.

The site greening initiative involves the creation of **naturalized green buffer strips** along the perimeter of the site which will be protected from possible erosion.



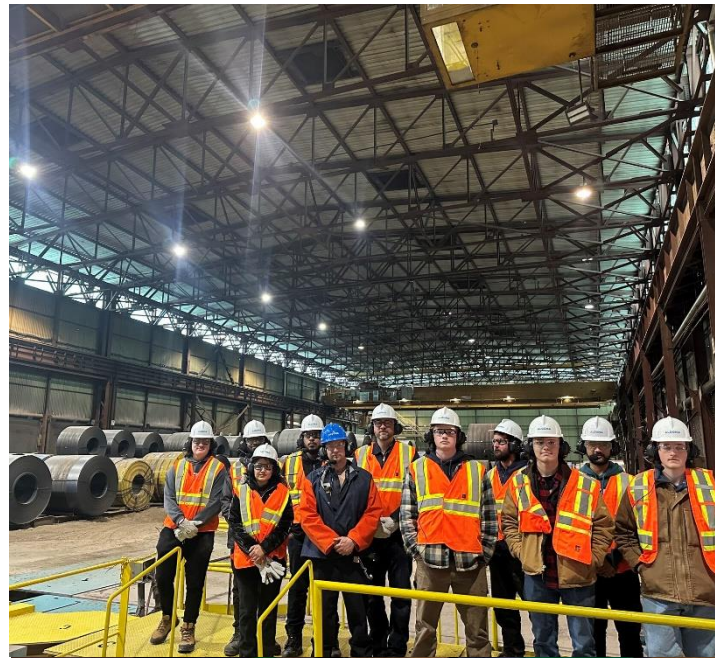
We are proud to share we have been recognized with the **Environmental Initiatives Award** at the 2025 Business Sustainability Awards!



Community Engagement

Algoma Steel is committed to being a good neighbor.

- Quarterly Community Liaison Committee meetings.
- Donated \$10,000 to Save Our Young Adults (SOYA) to support their relocation and renovation costs.
- Sponsored and participated in the Gathering at the Rapids Pow Wow.
- Welcomed students from Sault College Manufacturing Processes class for an informative session about opportunities at Algoma Steel, followed by a guided tour of our DSPC facility.
- Donated \$12,000 to the 20th Annual Bring Home a Doctor Hockey Tournament in support of academic bursaries for the Northern Ontario School of Medicine.



**Our next Community
Open House will be
held: Wednesday,
June 11th , 2025 at
Algoma Steel**

**We hope to see you
there!**



Community Liaison Committee – Next Meetings

Proposed Schedule:

- June 3, 2025
- September 2025
- December 2025