



Notes of Meeting #33 – Algoma Steel Community Liaison Committee

Date: June 9th, 2020

Location: Cisco Webex Meeting

Time: 12pm to 2:00pm

CLC Members in Attendance

Fred Post – Algoma Steel

Chris Galizia – Algoma Steel

Kara Flannigan – Algoma Public Health

Chris Spooney – Algoma Public Health

Ron Dorscht – Ministry of Environment, Conservation and Parks (MECP)

Catherine Taddo – Corporation of the City of Sault Ste. Marie

Lisa Derickx – St. Mary's River RAP Coordinator

Lori Greco - Ministry of Environment, Conservation and Parks (MECP)

Steve Carey – Chippewa County Health Department

David Trowbridge - Public

Peter McLarty – Public

Kathie Brosemer – Sault Ste. Marie Tribe of Chippewa Indians

CLC Members not in Attendance

Wayne Hubbard – United Steel Workers Local 2251

Jonathon Bouma - Algoma Public Health (alternate)

Dan Sayers Jr. – Batchewana First Nations

Maggie McAuley – Corporation of the City of Sault Ste. Marie

Patt Marquis – Public

Jillian Marquis – Public

Suzanne Lieurance - Chippewa County Health Department

Meeting Notes

1. Review of the Agenda

There were no new items proposed to be added to the agenda.

2. Review of Meeting #32 Notes

There were no comments regarding the minutes of the March 10th CLC meeting. They have been posted on the company website.

3. Membership issues

No issues brought up.

4. Site Specific Standard (SSS) for particulate and BaP

Fred re-capped the standards development process and coke plant rules detailed within the Site Specific Standard (SSS) for particulate that was issued in March 2015. This MECP

Standard was based on an emissions model that predicted potential for emissions over the Reg. 419 limit. The Site Specific Standard is an alternate compliance mechanism in which the MECP and the company agree to a plan to reduce emissions over a period of time. The Site Specific Standard came into effect on July 2nd 2015 and includes progressive phases of increasingly strict limits over time.

On July 2nd 2015, Algoma began to monitor coke oven emissions in accordance with the site specific standard. The progressive phase in of limits has occurred on an annual basis. A graphic representation of Algoma's performance was presented along with the new limits taking effect in January 2020. There has been consistent improvement from all emission sources and Algoma is in compliance with all of the limits.

A question was raised asking if there were plans for new limits to be implemented past 2020. At the moment no new limits are planned, and the MECP has indicated that any new standards would have to be justified.

Another question was raised regarding the charging emissions on number 9 Battery and why they are higher compared to the older batteries. The response was that 9 Battery has an IOPC (Individual Oven Pressure Control) system that makes it more susceptible to variables such as suction and coal moisture.

Stack Opacity

A graph was provided showing the coke stack opacity performance for the past year. The graphs show the percent of total opacity in a 30 day rolling average to depict the long term performance trends. This topic continues to be an issue and the company is working with the MECP to develop a detailed action plan to reduce opacity.

Algoma has indicated that due to the impacts of the Covid-19 pandemic and current market conditions some investments have been scaled back. However, plans are still in place to replace through walls on 9 Battery later in 2020. It was also mentioned that Algoma is committed to continually look at using the best available technology and utilizing best operating practices to reduce stack opacity.

5. Public Complaints

Public complaints regarding particulate, odour and noise from the last quarter were noted. There were 6 noise public complaints regarding noise from a gas leak on the top shell of the blast furnace. This was corrected on April 1st.

6. Industry / Technical / Site Specific Standard

The MECP has commenced discussions with the iron and steel sector on new Industry / Technical / Site Specific Standards for multiple air contaminants that will replace the existing Standards when they expire. The potential contaminants could include Particulate, B(a)P, Benzene, SO₂, Metals (Iron, Nickel, Manganese and Chromium VI). The process is led by the MECP and is expected to take 3-4 years to develop the new technical standards. The MECP conducted a site visit and accepted the monitoring program proposals for benzene and metals which may be used to inform if/or where future controls may be required. The Benzene Air Monitoring Program and the Metals Air Monitoring Program which commenced in August, 2018 are both complete.

The ten week benzene air monitoring program was completed in fall 2018 in the by-product area to look for potential benzene sources not currently controlled. Three sources were identified and control actions are completed.

The one year ambient air monitoring program commenced in August 2018 and was completed in August 2019 which measured suspended particulate matter and metals (Iron, Chromium VI, Manganese and Nickel). Hexavalent chromium sample results were below precise laboratory detection limits at all locations. Iron and nickel results also did not indicate any concern. Measurements of manganese concentrations were elevated at some locations. The industry standard aims to further investigate sources of manganese such as on-site roadways, steelmaking and slag management and implement additional control measures.

The next steps involve participating in MECP led working groups to focus on the following topics:

- Fugitive metal/particulate emissions from on-site roadways; steel-making; slag management;
- Identifying managed sources – current emission sources and air pollution controls;
- Expanding Leak Detection And Repair (LDAR) programs in by-product plants for benzene;
- Coke oven gas de-sulphurization (Federally required by January 1, 2026);
- Development of an Ontario-based emission auditor training and certification program;
- Completing a jurisdictional review of best available emission control techniques globally;
- Industry economic overview and economic feasibility assessment (industry led);
- Development of trigger mechanisms to facilitate a review of the appropriateness of the Technical Standard every 7-8 years.

A member of the committee asked if the public would have the opportunity to provide input on the working groups. The MECP has indicated that they are looking into the request.

A member asked if the trigger period could be shortened. Fred indicated that this timeline was being proposed because it aligns with what is being done in the USA.

7. Current and planned activities that require Environmental Compliance Approval (ECA) application

Algoma is currently applying for an amendment to an existing ECA for its #2 Ladle Metallurgy Furnace (LMF) to install a larger baghouse than the existing approval to improve capture efficiency at both Ladle Metallurgy treatment stations and the Basic Oxygen Furnaces.

The application has not been submitted as the project is delayed due to Covid-19 related impacts.

8. Legacy Environmental Action Plan

In fall 2018 upon exiting CCAA, the MECP and Algoma Steel signed an Environmental Framework Agreement which was established to mitigate risk from on-site legacy environmental liabilities. Ontario's Environmental Protection Act allows a person responsible for a source of contaminant to submit a Program to prevent or to reduce and control the discharge into the natural environment of any contaminant. A Program Approval is a document describing the associated abatement activities. A Program Approval was posted on the EBR for public comment and was issued May 3rd 2019.

The Environmental Framework Agreement and the associated Program Approval are the legal instruments which have initiated the development of the Legacy Environmental Action Plan (LEAP). The LEAP is a risk-based environmental management plan maintained and funded by Algoma Steel, with the objectives of identifying, assessing, managing and mitigating off-site adverse environmental effects caused by legacy environmental contamination at the site.

Algoma Steel is responsible for planning, budgeting/funding, implementing, documenting and reporting the activities undertaken as part of the LEAP, while the MECP has oversight, review and approval responsibilities for LEAP budget, plans and activities, including approval (or pre-approval) of eligible LEAP expenses. A formal action and implementation plan for Year 2, and indicative action plans for the following four calendar years has been approved by the MECP.

Algoma has indicated that due to impacts related to the Covid-19 pandemic, the scope of the 2020 projects have been reduced and some deferred to next year. Approximately \$2 million in projects are planned for 2020 including the following:

- Expanding the site wide baseline hydrogeological investigation
 - 35 new wells to be added this year
- Legacy Tire Disposal
 - 100% complete -1055 metric tonnes removed and recycled
- Engineering for re-routing blast furnace 30" sewer (80% complete)
- Refurbish #7 Tank for future Groundwater Collection System
 - Includes clean-out of legacy light oil residues, new floor and benzene emission control system

9. Climate Change

A brief description was provided of three greenhouse gas reduction projects that are either complete or underway at Algoma (two are complete). The three projects are anticipated to reduce GHG emissions by approximately 79,000 tonnes annually which is approximately 2% of Algoma's emissions. Further projects are being investigated as the company continues to seek out further incremental reductions.

As a member of the Canadian Steel Producers Association we aspire to achieve net-zero carbon emissions by 2050. We believe that by working with government and other stakeholders to secure the necessary capital and partnerships, that together we can achieve breakthrough technological advancements and enact transformational change. The Canadian Steel Producers Association's Climate Change Call to Action can be viewed at the following link:

https://canadiansteel.ca/files/resources/CSPA_2_29_compressed.pdf.

10. Public Open House

The last Public Open House was held on December 10th, 2019 from 4-7pm at the Northern Community Centre. The next open house will be scheduled for the fall of 2020.

11. Next Meeting

The tentative 2020 CLC meeting schedule is as follows:

- September 15th, 2020

The meeting adjourned at 2:00 PM, June 9th, 2020.

*Meeting notes prepared by Chris Galizia and Fred Post
June 19th, 2020*

Current Members and Alternates

Representation	Primary Member	Alternate
Algoma Steel	Fred Post	Chris Galizia
Ministry of Environment, Conservation and Parks		
	Lori Greco	Ron Dorscht
Public	David Trowbridge	Peter McLarty
Public	Patt Marquis	Jillian Marquis
SSM Tribe of Chippewa Indians	Kathie Brosemer	
Algoma Public Health	Kara Flannigan	Chris Spooney
Chippewa County Health Dept.	Steve Carey	Suzanne Lieurance
Batchewana First Nations	Dan Sayers Jr.	
City of Sault Ste. Marie	Catherine Taddo	Maggie McAuley
United Steel Workers Local 2251	Wayne Hubbard	
St. Mary's River RAP Coordinator	Lisa Derickx	