



Notes of Meeting #29 – Algoma Steel Community Liaison Committee

Date: June 4th, 2019

Location: Algoma Steel
Administration Building
Main Conference Room

Time: 11am to 2:00pm

CLC Members in Attendance

Fred Post – Algoma Steel
Chris Galizia – Algoma Steel
Kara Flannigan – 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
Reg Dunn – United Steelworkers Local 2251
Peter McLarty – Public

Additional attendees:

Scott Grant – Ministry of Environment, Conservation and Parks (MECP)
Bruce Gillies – Ministry of Environment, Conservation and Parks (MECP)

CLC Members not in Attendance

Wayne Hubbard – United Steelworkers Local 2251
Patt Marquis – Public
Jonathon Bouma - Algoma Public Health (alternate)
Dan Sayers Jr. – Batchewana First Nations
Kathie Brosemer – Sault Ste. Marie Tribe of Chippewa Indians
Maggie McAuley – Corporation of the City of Sault Ste. Marie

Meeting Notes

1. Review of the Agenda

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

2. Review of Meeting #26 Notes

There were no comments regarding the minutes of the March 5th CLC meeting. They have been posted on the company website.

3. Membership issues

A re-cap of current membership was provided.

Steve Carey is the new member representing the Chippewa County Health Department. Wayne Hubbard is the new alternate member for the United Steelworkers Local 2251

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

Fred re-capped the development process and coke plant rules detailed within the Site Specific Standard for particulate that was issued in March 2015. This MECP approval was based on an emissions model that predicted potential for emissions over the Reg. 419 limit. The regulation has an alternate compliance mechanism in which the MECP and the company agree to a plan to reduce emissions over a period of time. Algoma worked with the MECP and other coke makers to develop this Standard with a focus on emission reductions from the cokemaking process in anticipation of the new limits coming into force for Benzene and BaP. A Site Specific Standard has been developed and its implementation began on July 2nd 2015 with a progressive phase in of more 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 a summary of corrective actions and operational adjustments made to date. There has been a consistent improvement trend for all emission sources, highlighting the most recent reductions in door and standpipe emissions for which the company achieved full compliance with the new limits in August 2017 and has remained in compliance. The company is currently in compliance with all limits and is taking early action in preparing to achieve future limits ahead of schedule.

The MECP has begun talks with industry to determine what will be in place after the existing SSS's expire. This is discussed in greater detail in sections 6 and 7 below.

A summary of Algoma's Ambient Air Quality Monitoring Program including results of recent monitoring was provided. An additional explanation of the process flow at the by-products facility was delivered to provide an understanding of the benzene emission control system and its progressive expansion to reduce benzene releases to air.

5. Stack Opacity

New graphs were provided showing the coke stack opacity performance for the past year. This topic continues to be an issue and the company is working with the MECP to develop a detailed action plan to reduce opacity.

6. Recent Incidents

A description of two incidents which occurred in Algoma's operations in the past quarter was provided.

- On March 9th at 9:32am, Algoma Steel experienced a total loss of commercial power for nearly one hour. The power outage resulted in the loss of cooling water and steam to the operation, which gave rise to emissions as manufacturing processes were suspended. A comprehensive investigation has identified several risk mitigation measures that Algoma Steel is undertaking to prevent a recurrence.
- An unplanned process upset occurred in the blast furnace in April. During the Blast Furnace re-start, safety procedures required for pressure relief and the beaching of iron resulted in emissions until the Furnace returned to normal operation.

7. Site Specific Standard for Benzene and Particulate

An update was provided regarding the site specific standard for benzene. The approved standard requires continued addition to the Benzene Emission Control (BEC) system and on

site monitoring. The company is proceeding with the installation of benzene emission controls as outlined in the site specific standard. Two controls were installed in 2017 and a third source was removed from service in spring 2018.

A 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 either completed or planned.

A one year ambient air monitoring program commenced in August 2018 to measure suspended particulate matter and metals (Iron, Chromium VI, Manganese and Nickel). Hexavalent chromium sample results were below precise laboratory detection limits at all locations. Measurements of manganese concentrations were elevated at some locations indicating the likelihood for manganese to be part of the new technical standard as it is developed by the MECP.

8. Industry / Technical / Site Specific Standard

Only a briefing on this section was provided because the MECP's Scott Grant and Bruce Gillies provided a separate presentation on the development of an Industry Standard for the integrated iron and steel sector.

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 approvals 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 on May 8 and accepted the monitoring programs for benzene and metals which may be used to inform if/or where future controls may be required. The Benzene Air Monitoring Program is complete and the Metals Air Monitoring Program which commenced in August, 2018 is ongoing.

The next steps involve developing working groups to focus on the following topics:

- Fugitive metal/particulate emissions from on-site roadways; steel-making; slag management;
- Limiting emissions from blast furnace upsets;
- Identifying current emission sources and air pollution control approaches at each facility;
- Assessing the ongoing ambient air monitoring program results;
- 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

9. Status Report: Noise Abatement

The MECP has accepted a plan to reduce noise emissions from 7 sources throughout the facility by Dec. 31st 2023.

- The installation of 2 large fan motor enclosures at the steelmaking gas cleaning plant is currently underway at an estimated cost of \$1.076 million. These large enclosures are expected to be complete in June of 2019.

- An acoustic silencer at the #2 BOSP steam blow-off has been manufactured and shipped to the site. The muffler is scheduled for installation in June 2019 at a cost of \$740,000.

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

An application was submitted to the MECP for a proposed surface and groundwater treatment facility detailed in previous meetings and open house. The application was posted on the EBR for 45 day public comment on Nov 9th and an ECA was provided by the MECP on May 2nd 2019. The company is now proceeding with detailed engineering with construction planned to commence in 2020 under the Legacy Environmental Action Plan (LEAP).

11. 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 has been 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 to be 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 will be 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 1, and indicative action plans for the following four calendar years has been approved by the MECP.

The following list of year 1 LEAP projects has commenced:

- Site wide baseline investigation
- PCB disposal
- Dredge contaminated sediment from Boat Slip
- Secondary Containment Waste Oil Tanks
- Secondary Containment Raw Liquor Tanks
- Legacy Tire Disposal
- Legacy Coke Oven Gas main cleaning
- Engineering for re-routing blast furnace 30" sewer
- Engineering Base Line Ditch Water Treatment

12. Climate Change Regulations

A briefing was provided on the status of federal and provincial government's climate change regulatory development process. On February 12th Ontario released details of a new provincial climate change plan for industry. The intention is to meet the federal benchmark and exempt industry from the backstop regulations however; Ontario's proposed plan has not been accepted by the federal government and therefore the federal backstop regulations are expected to apply to the Integrated Iron and Steel Sector in Ontario. Federal regulations are expected to be published in late June.

13. Public Open House

The last Public Open House was held on December 4th, 2018 from 4-7pm at the Polish Canadian Hall in Bayview. The next open house will be scheduled in mid-fall.

14. Next Meeting

The tentative 2019 CLC meeting schedule is as follows:

- September 10th, 2019
- December 10th, 2019

The meeting adjourned at 2:30 PM, June 4th, 2019.

*Meeting notes prepared by Fred Post
June 12th, 2019*

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	
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	Reginald Dunn	Wayne Hubbard
St. Mary's River RAP Coordinator	Lisa Derickx	