

**Notes of Meeting #19 – Essar Steel Algoma Inc.
Community Liaison Committee**



Date: December 14, 2016

Location: Essar Steel Algoma Inc.
Administration Building
Main Conference Room

Time: Noon to 2:00pm

CLC Members in Attendance

Fred Post – Essar Steel Algoma Inc.
Josh Ingribelli – Essar Steel Algoma Inc.
Lori Greco - Ontario Ministry of Environment
Ron Dorscht – Ontario Ministry of Environment
Kara Flannigan – Algoma Public Health
Lisa Derickx - St. Mary's River RAP Coordinator
Catherine Taddo – Corporation of the City of Sault Ste. Marie
Patt Marquis – Public
Trevor Quinlan – Chippewa County Health Department
Dan Cooper – United Steelworkers Local 2251

CLC Members not in Attendance

Dave Clingen – Essar Steel Algoma Inc.
Jonathon Bouma - Algoma Public Health (alternate)
David Trowbridge – Public
Dan Sayers Jr. – Batchewana First Nations
Kathie Brosemer – Sault Ste. Marie Tribe of Chippewa Indians

Meeting Notes

1. Review of the Agenda

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

2. Review of Meeting #18 Notes

The notes for CLC Meeting #18 held on June 29th, 2016 were tabled and accepted by all in attendance.

3. Membership issues

No new members were in attendance however, Trevor Quinlan requested that Suzanne Lieurance replace Christine Daley as the alternate for the Chippewa County Health Department.

Catherine Taddo is now the primary member representing the Corporation of the City of Sault Ste. Marie. Dan Perri is her new alternate member.

Patt Marquis agreed to consider a new alternate public representative since Kathie Brosemer has filled a full seat representing the Sault Ste. Marie Tribe of Chippewa Indians.

Fred noted that he has not received feedback with David Trowbridge and will attempt to make contact with David prior to the next meeting.

4. Site Specific Standard for particulate

Fred re-capped the status of the Site Specific Standard for particulate that was issued in March 2015. This request was based on an emissions model that predicted emissions over the limit. The regulation has an alternate compliance mechanism in which the MOE and the company agree to a plan to reduce emissions over a period of time. Essar worked with the MOE and other coke makers to develop this new 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.

On July 2nd 2015, Essar began to monitor coke oven emissions in accordance with the site specific standard. New limits came into force on January 1st 2016. A graphic representation of Essar's performance was presented along with a summary of corrective actions and operational adjustments made to date. There is a consistent improvement trend for the majority of the emission sources, highlighting the most recent reductions in door emissions, and now all 3 batteries are fully compliant.

An update was provided on the progress of the Cokemaking Emission Reduction Plan that was presented to the MOE back in February 2016, and the success of work completed to date was discussed. The projected emission trends were presented to the group for doors and standpipes, showing how Essar will achieve 2020 compliance on all batteries. The company achieved full compliance with all limits on July 6th 2016 and has continued to demonstrate improved performance since that date.

Fred also re-stated two newly proposed conditions that were posted on the Environmental Bill of Rights website for public comment in early summer. These conditions speak to the possibility of shutting down any cokemaking battery on the ESAI site that is not in compliance with the Site Specific Standard for particulate by November 2017. Fred and Ron commented that the Ministry has not yet made a decision regarding the proposed conditions.

5. Site Specific Standards for Benzene and BaP

An update was provided regarding the pending site specific standards for benzene and BaP. The Benzene approval and order is anticipated to be issued as it was originally presented. The order will require continued addition to the Benzene Emission Control (BEC) system followed by on site monitoring. The company is proceeding with the installation of benzene emission controls as they were stated in the draft order.

The MOE has advised they will not be issuing Site Specific Standard approval for BaP on the basis that the company was not in full compliance with the door leak limits in the particulate standard. ESAI submitted an abatement plan for BaP in order to document all the actions planned and underway to reduce BaP emissions. The plan is aligned with the investment plan for reducing particulate matter from coke batteries.

6. Boat Slip Sediment Assessment

As part of the ongoing efforts to de-list the St. Marys River as an Area of Concern (AOC) under the Remedial Action Plan (RAP), Essar conducted a re-assessment of the sediment quality in the boat slip in fall 2014. Essar's boat slip was dredged twice (first in 1998 and second in 2006) and had not been re-assessed since prior to the last dredging. Essar combined efforts with Environment Canada, the MOE and the RAP to conduct a follow-up sediment assessment. The results indicate the continued existence of PAH contamination in the north end of the slip. The next step involves dredging of the sediment and will involve consultation with Environment Canada, the MOE and the RAP in developing a detailed dredging plan.

7. Status Report: Noise Abatement

Early in 2014 the MOE accepted a plan to reduce noise emissions from 10 sources throughout the facility. Two of the ten were controlled in 2014.

Plans for the current fiscal year include installing acoustic enclosures around 3 fan motors on a cooling tower and designing 2 fan motor enclosures at the steelmaking gas cleaning plant. Installation of the gas cleaning plant enclosures is anticipated in spring of 2017. The engineering timeline and costs are higher than anticipated for the design of an electricity generating steam turbine to utilize excess steam from the steelmaking process. Although the project is likely to be supported in the long term, there are concerns with the potential long lead timelines so Essar has initiated engineering work to install a muffler in 2017.

8. Current and planned activities that require Environmental Compliance Approval application:

Administrative amendment to steelmaking effluent ECA treatment system to reflect structural changes made in July 2015. The structure was simply raised in order to prevent Lake Superior water from entering system. There were no changes to treatment system or effluent quality. Currently awaiting revised approval from MOECC.

9. Greenhouse Gasses – Cap and Trade

Fred explained that a new provincial cap and trade regulation has been published and takes effect January 1, 2017. The system will be linked with the existing Quebec and California systems. Compliance will be rolled up to the facility level, but incorporates targets for each process within the facility (coke, iron, steel, lime, etc.). A portion of emission allowance will be granted free of charge in consideration of trade exposure implications and technological reduction achievability. As such, there is an assistance factor for energy intensive trade exposed industries such as steel to avoid carbon leakage. There is recognition for fixed process emissions for which free allowances will be granted for the first compliance period. There will be an annual cap decline of 4.57% on combustion emissions. The estimated cost of carbon is \$12.10 USD/tonne. An off-set program is under development as well as a credit/bank system, but details are unclear at this time.

10. Public Open House

The last Public Open House that was held on June 24th, 2015 from 4-7pm at the Library at the Goulais Avenue Community Centre. The next open house will be scheduled on December 14th, 2016. The focus will be on the Cokemaking Site Specific Standard.

11. Next Meeting

In order to have better consistency with CLC meetings members were canvassed regarding future dates for 2017 CLC meetings. Future meetings are tentatively scheduled as follows:

- February 14th 2017
- June 6th 2017
- September 5th 2017
- December 5th 2017

The meeting closed at 2:00 PM, December 7th, 2016.

*Meeting notes prepared by Fred Post.
Dec 8th, 2016*

Current Members and Alternates

Representation	Primary Member	Alternate
Essar Steel Algoma Inc.	Fred Post	Dave Clingen
Essar Steel Algoma Inc.	Dave Clingen	Fred Post
Essar Steel Algoma Inc.		Josh Ingribelli
Ontario Ministry of Environment Public	Lori Greco	Ron Dorscht
Public	David Trowbridge	Ildiko Horvath
Public	Patt Marquis	
SSM Tribe of Chippewa Indians	Kathie Brosemer	
Algoma Public Health	Kara Flannigan	Jonathon Bouma
Chippewa County Health Depart.	Trevor Quinlan	Suzanne Lieurance
Batchewana First Nations	Dan Sayers Jr.	
City of Sault Ste. Marie	Catherine Taddo	Dan Perri
United Steel Workers Local 2251	Dan Cooper	Reginald Dunn
St. Mary's River RAP Coordinator	Lisa Derickx	