



Notes of Meeting #24 – Algoma Community Liaison Committee

Date: March 6th, 2018

Location: Algoma
Administration Building
Board Room

Time: Noon to 2:00pm

CLC Members in Attendance

Fred Post – Algoma
Chris Galizia – Algoma
Lori Greco - Ontario Ministry of Environment
Kara Flannigan – Algoma Public Health
Lisa Derickx – St. Mary’s River RAP Coordinator
Trevor Quinlan – Chippewa County Health Department
Patt Marquis – Public
David Trowbridge – Public

CLC Members not in Attendance

Ron Dorscht – Ontario Ministry of Environment
Reg Dunn – United Steelworkers Local 2251
Jonathon Bouma - Algoma Public Health (alternate)
Dan Sayers Jr. – Batchewana First Nations
Kathie Brosemer – Sault Ste. Marie Tribe of Chippewa Indians
Dave Clingen – Algoma
Catherine Taddo – 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 #23 Notes

The notes for CLC Meeting #23 held on Dec 5, 2017 were tabled and accepted by all in attendance.

3. Membership issues

A re-cap of current membership was provided.

Fred has reached out to Batchewana First Nations in the past and has verified their contact information. No reply has been received.

4. Site Specific Standard for particulate and BaP

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 Reg. 419 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. Algoma 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, Algoma began to monitor coke oven emissions in accordance with the site specific standard. New limits came into force on January 1st 2016 and again on January 1st 2017. A graphic representation of Algoma's performance was presented along with a summary of corrective actions and operational adjustment made to date. There is 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 MOECC has begun talks with industry to determine what will be in place after the SPM SSS expires in 2020.

In addition, a decision to issue SSS for BaP has been posted, now that Algoma has demonstrated compliance with the SPM SSS.

5. Site Specific Standards for Benzene

An update was provided regarding the site specific standard for benzene. The approved standard requires 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 outlined in the site specific standard. Two of the required three controls were installed in 2017. The third source is a large storage tank that has been earmarked for complete replacement and after taking measurements, it was determined not to contain benzene. However the company is planning the replacement of the tank and installation of emission controls by December 31, 2018. The company was granted a one year extension of this condition.

Planning is underway to conduct an air monitoring program in the by-product area to identify potential benzene sources not currently controlled.

An air monitoring program for metals along Algoma's property boundaries is also being developed.

6. Boat Slip Sediment

As part of the ongoing efforts to de-list the St. Mary's River as an Area of Concern (AOC) under the Remedial Action Plan (RAP), Algoma conducted a re-assessment of the sediment quality in the boat slip in fall 2014. The boat slip was dredged twice (first in 1998 and second in 2006) and had not been re-assessed since prior to the last dredging. In 2014 Algoma combined efforts with

Environment Canada, the MOE and the RAP to conduct a follow-up sediment assessment. The results indicated the continued existence of PAH contamination in the north end of the slip. The company worked with Environment Canada, the MOE and the RAP to ensure the plan was aligned with all requirements.

Commencement of dredging began in late August and was completed in September. All required protocols were followed and dredging was very successful at removing contaminated sediment. Due to time and space constraints, a small portion of the north-east corner of the slip was not able to be dredged.

A post dredging sediment assessment will be conducted to evaluate the effectiveness of the program and to determine future steps that may be required.

As part of the post dredging sediment assessment, sampling was started in January but had to be halted due to the ice buildup. It is anticipated that sampling will resume in April.

7. Road Paving

As part of Algoma's plan to continually reduce particulate emissions from road dust, two areas were paved in summer 2017. A total of approximately \$500,000 was spent to pave two sections of heavy haul roads. These areas are expected to reduce particulate impacts from road dust on the Bayview area. The company intends to continue its paving plans into 2018.

8. 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 installing 2 fan motor enclosures at the steelmaking gas cleaning plant and the installation of an acoustic silencer at the #2 BOSP steam blow-off.

A progress update was provided for the fan motor enclosures, with installation anticipated in late spring/early summer.

9. Current and planned activities that require Environmental Compliance Approval application

An application is being prepared for a proposed surface and groundwater treatment facility detailed in section 11 of these minutes.

10. Greenhouse Gasses – Cap and Trade

Fred explained that a new provincial cap and trade regulation took effect January 1, 2016. The system was linked with the existing Quebec and California systems in Jan 2018. Compliance is rolled up to the facility level, but incorporates targets for each process within the facility (coke, iron, steel, lime, etc.). In an effort to avoid carbon leakage, a 100% assistance factor has been granted by the MOECC for the first compliance period to energy intensive, trade exposed industries such as steel. Carbon leakage can occur when production shifts to less efficient jurisdictions where no carbon costs exist, resulting in a net increase in emissions. There is also recognition for fixed process emissions for which free allowances have been granted for the first compliance period. There is an annual cap decline of 4.57% on combustion emissions which are

considered non-fixed. The recent cost of carbon at government auction is ~\$18 tonne. An off-set program is under development as well as a credit/bank system, but details are unclear at this time. Algoma is investing in some CO2 reduction projects this year and investigating numerous other opportunities. Quarterly government auctions for allowances have resulted in raising significant funds to be re-invested in GHG reduction projects across Ontario.

Algoma submitted an Expression of Interest (EOI) to the Ontario Centers of Excellence to apply for a grant to assist with the execution of a package of GHG reduction projects. The company is awaiting feedback on the EOI.

11. Surface and Groundwater Treatment Facility

Fred talked about a proposed treatment facility to be located on the northeast portion of Algoma's Material Storage and Reprocessing Site. The proposed facility is a result of numerous investigative studies indicating that pH, total dissolved solids, and total iron require treatment. The proposed treatment facility will consist of water circulation to promote oxidation of dissolved iron, polymer injection to promote settling of suspended solids in ponds and pH adjustment using CO2. An Environmental Compliance Approval application is being prepared for submission to the Ministry in spring 2018.

12. Sustainable Power Opportunities

A slide was presented showing three sustainable power alternatives Algoma is pursuing to reduce its reliability on the provincial power grid. A solar farm (50 MW), low pressure steam turbine (8 MW), and a top gas recovery turbine (13 MW). Studies are ongoing on the feasibility of these opportunities.

13. Public Open House

The last Public Open House was held on December 5th, 2017 from 3-7pm at the Polish Canadian Hall in Bayview. The next open house will be scheduled in fall, 2018.

14. Next Meeting

The tentative 2018 CLC meeting schedule is as follows:

- June 5th, 2018
- September 11th, 2018
- December 4th, 2018

The meeting adjourned at 2:00 PM, March 6th, 2018.

*Meeting notes prepared by Fred Post.
April 3rd, 2018*

Current Members and Alternates

Representation	Primary Member	Alternate
Algoma	Fred Post	Chris Galizia
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Ontario Ministry of Environment	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 Dept.	Trevor Quinlan	Suzanne Lieurance
Batchewana First Nations	Dan Sayers Jr.	
City of Sault Ste. Marie	Catherine Taddo	Maggie McAuley
United Steel Workers Local 2251	Reginald Dunn	
St. Mary's River RAP Coordinator	Lisa Derickx	