



Notes of Meeting #41 – Algoma Steel Community Liaison Committee

Date: June 7th, 2022

Location: Teams Meeting

Time: 12pm to 2:00pm

CLC Members in Attendance

Fred Post – Algoma Steel

Chris Galizia – Algoma Steel

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

Lori Jalak – Ministry of Environment, Conservation and Parks (MECP)

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

Melissa Francella – Algoma Public Health

David Trowbridge - Public

Steve Carey – Chippewa County Health Dept.

Lisa Derickx – St. Mary's River RAP Coordinator

CLC Members not in Attendance

Chris Spooney – Algoma Public Health

Jillian Marquis – Public

Kathie Brosemer – Sault Ste. Marie Tribe of Chippewa Indians

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

Suzanne Lieurance – Chippewa County Health Department

Dennis Gagne – United Steel Workers Local 2251

Wayne Hubbard – United Steel Workers Local 2251

Meeting Notes

1. Review of the Agenda and Meeting #39 Notes

There were no comments or concerns related to the agenda or previous meeting minutes.

2. Membership Items and Terms of Reference

Longtime member Peter McLarty has decided to step away as a public member. Algoma is looking to advertise soon for two new public alternate members; one each for David Trowbridge and Jillian Marquis. Fred indicated that the alternates would be allowed to participate alongside the primary members, as has been done in the past.

Algoma's CEO has reached out to the local First Nation Chiefs to express interest in their participation. Algoma will continue to engage with them and invite their participation in committee meetings.

A question was raised regarding what the evaluation process involved regarding applicant selection and whether current members would be involved in the selection process. Algoma indicated that there is no formal process, but will consider this once expressions of interests have been received.

Lisa Derickx has indicated she would look for an alternate member too.

3. Cokemaking Emission Performance

A graphic representation of Algoma's cokemaking performance was presented showing there has been consistent improvement from all cokemaking emission sources and Algoma is in compliance with all of the Site Specific Standard (SSS) leak limits. Since 2017 the average pushing opacity has been decreasing, despite an increase in coke production.

The Ministry of Environment, Conservation and Parks (MECP) representative asked about the increase in the trend of #9 Battery Off-takes. Algoma commented that this is a result of the dip-tubes on a number of pipes being clogged with excessive tar. It was a short term problem that was resolved with some intensive maintenance.

David Trowbridge asked the MECP if they perform any auditing on Algoma's audits. Lori Jalak indicated that they perform their own audits periodically. The last one performed was last fall and no issues were raised.

A stack opacity graph was provided showing the coke stack opacity performance for the past 2 years. It is shown as a total 30 day rolling average opacity to depict the overall performance trends. In January there were some equipment issues in the By-Products facility due to the extreme cold. As efforts to repair the equipment are ongoing, mitigating measures have been taken to correct the opacity. Cleaning and repairs are ongoing, and recent work has made an improvement in overall stack opacity. A renewed action plan has been developed and implementation is underway.

David asked if the MECP believes the stack opacity meters are accurate. The MECP indicated that they rely on Algoma to ensure that they are. Algoma mentioned that they use a third party to maintain and calibrate all equipment.

The MECP responded to concerns about opacity violations and confirmed that current performance is out of compliance with O. Reg. 419. The MECP acknowledged that Algoma has submitted a corrective action plan that the Ministry is currently reviewing.

4. Public Complaints

Public complaints regarding odour and noise from the last quarter were noted. There were 3 odour, 4 noise and 1 particulate complaint.

The noise complaints are being actively investigated to try and pinpoint the source. It is believed it could be from a fan but at this time Algoma has not been able to identify the source.

The particulate complaint was from the recent high wind events and involved off-road areas of the property. Dust suppressant, water and flushing trucks are being utilized and there are plans to continue paving this summer. The site greening project will also help with particulate control long term.

5. Electric Arc Furnace (EAF) Update

Fred reviewed the progress being made with the construction of the EAF facility. The installation of foundations and pilings is underway, and tenders have been awarded for the building and equipment.

He reported applications for the site wide ECA's have been submitted. On the air and noise side, the biggest change is to the air model as it will include two new baghouses and an

associated cooling tower. As part of this application, a new noise abatement action plan has been prepared that will address all existing and potential new noise sources.

For the Industrial Sewage Works application, a minor amendment is being sought to add a new effluent source to the existing sewage works approvals. In particular we are seeking an amendment to include a new non-contact cooling water recirculation system and cooling tower which will have a small blowdown to the existing sewage works. Additionally, over the transition to the full EAF, 4 non-contact and 1 contact discharges will be eliminated, which will require future amendments to reflect these changes.

David asked if the new baghouses have stacks and what could be expected to be emitted. Fred indicated that there will be one stack on each baghouse. The baghouses and emission control systems will be state of the art and use best available control technology to remove particulate and other contaminants from the process.

6. Site Specific Standards / Technical Standards

In March 2022, Algoma applied for 4 Site-specific Standards (benzene, benzo(a)pyrene, total suspended particulate matter, and sulphur dioxide) in support of Algoma's transition to EAF steelmaking. The new standards will replace expiring approvals for benzene, benzo(a)pyrene, and total suspended particulate matter. Algoma's request for a new SSS for sulphur dioxide (SO₂) aligns with the new Ontario Regulation 419/05 standards for SO₂ that will come into effect in July 2023. These are needed to provide a compliance approach for contaminants under O. Reg. 419 through the transition to the EAF. These applications show a progressive reduction or elimination of emissions as a result of the progressive shutdown of equipment and facilities in the transition to electric arc steelmaking.

All of the applications reflect recent changes to the air emission dispersion model. The changes to the model include new inputs including; a new model version, a more recent 5 year meteorological data set and changes to the land use designations around Algoma from urban to rural. The land use change made the biggest impact on the model, as a rural land use will model less dispersion compared to an urban designation.

Once the transition to EAF is complete, we expect Algoma will be in compliance with all schedule 3 standards in O. Reg. 419 for all contaminants and there will no longer be a requirement for SSS's.

Questions were raised by representatives regarding the Emissions Summary Dispersion Model (ESDM) that is posted on the website. Fred indicated that the ESDM executive summary posted on the website uses the maximum production capacity for 2021, while in the past actual production data was used. The regulation allows for either approach to be used. Recognizing it will take some time before the public comments period opens on the EBR, Algoma is preparing a number of plain language summaries which will be available on Algoma's website shortly. An email notification to the CLC will be sent out once the documents are available.

David questioned why Algoma would be given new SSS for limits much higher than the current regulatory limits. Fred noted there has not been an increase in the actual emissions, only in the model.

David asked if PM₁₀ and PM_{2.5} had been eliminated from Algoma's modeling. Fred indicated it is still included in the modelling, but was not shown in our executive summary because those compounds are not regulated under Reg. 419 and the summary aligns with the regulation. PM₁₀ and PM_{2.5} are formed by other regulated contaminants such as NO_x and SO₂ and therefore by reducing NO_x and SO₂ there will be a reduction in PM₁₀ and PM_{2.5}.

7. Site Greening

Fred provided an update on the site greening initiative. In May several project stakeholders toured the site to better understand the plan. Excellent feedback and recommendations were received from many of the stakeholders which is being incorporated into the project. The primary focus this year is the road area along the south waterfront of Algoma's material storage and reprocessing area. Work will involve a broad strip of land between the waterfront and the road. Re-sloping of the embankment and bank stabilization materials will be installed. Seasonal ponding and swales will also be excavated to allow the capture of surface water in this area and prevent direct run-off. Clean fill has been brought in from excavations around the Sault which will be used to cover the area and then a varied blend of native vegetation (trees, wetland, and upland) will be planted.

David Trowbridge asked if Algoma had their own landfill and how it is managed. Fred responded that there is a permitted active landfill on the property which is used for solid non-hazardous industrial waste.

8. Additional Questions and Comments

David asked for an update on the proposed monitoring locations. Fred indicated that the Patrick Street station will be relocated on Algoma's property near the Goulais Ave. entrance due to the private development of the land where it currently resides. New locations have been identified for two additional stations. Algoma currently is working to permit a new station at David Kyle Park and another station will be located in Jamestown Park. In addition, mobile monitors will potentially be used in Manzo Park and Patrick Street Park. The new stations will utilize both continuous and non-continuous monitoring, and include PM10. A formal proposal is being prepared for the MECP.

9. Next Meeting

The next tentative CLC meeting schedule is as follows:

- September 13th, 2022

The meeting adjourned at 2:00 PM, June 7th, 2022.

*Meeting notes prepared by Chris Galizia and Fred Post
June 22st, 2022*

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	
Public	Jillian Marquis	
SSM Tribe of Chippewa Indians	Kathie Brosemer	
Algoma Public Health	Melissa Francella	Chris Spooney
Chippewa County Health Dept.	Steve Carey	Suzanne Lieurance
City of Sault Ste. Marie	Catherine Taddo	Maggie McAuley
United Steel Workers Local 2251	Wayne Hubbard	Denis Gagne
St. Mary's River RAP Coordinator	Lisa Derickx	