

# St Marys Cement Community Relations Committee

## Meeting Minutes

Wednesday February 12<sup>th</sup>, 2020

5:00 p.m. – St Marys Cement, Bowmanville Plant

**Attendees:** Amy Burke, *Senior Planner*, Municipality of Clarington  
Cherisse Diaram, *Quarry EIT*, St Marys Cement  
Jeff Mitchell, Port Darlington Community Association  
Joe Neal, *Councillor*, Municipality of Clarington  
Luis Urbina, *Environmental Manager*, St Marys Cement  
Pauline Witzke, Port Darlington Community Association  
Ruben Plaza, *Environmental Manager*, St Marys Cement  
Tanya Parady, *Human Resources Manager*, St Marys Cement  
Yhon Downie, *Quarry Manager*, St Marys Cement

**Guests:** Bridget Mills, BCX  
Sarah Schmied, Golder Associates

**Regrets:** Kim Lendvay, *Senior Environmental Officer*, MOECC  
David Veenstra, Port Darlington Community Association  
Jim Grimley, Wilmot Creek Homeowners Association  
Jim Storey, *Operations Manager*, St Marys Cement

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## 1. Alternative Fuels Application Process Update

- a) Project overview
  - Use woody biomass to 30% thermal replacement
  - Increased throughput of LCF from 96 tpd to 400 tpd
  - Increased capacity within enclosed containers and buildings
- b) Consultation activities to date
  - Meeting with community
  - Public meetings
  - Notices
- c) Questions to date
  - Origin/source of waste
  - Current emissions monitoring
  - Potential air quality impacts
- d) Assessments
  - Air quality and cumulative effects assessment

- Acoustic assessment
- Traffic Impact study
- Carbon dioxide emission intensity report

e) How comments being addressed

- Concerns about how emissions will contribute negatively to already stressed air shed
- Conservative Air Quality Study and Cumulative Effects Assessment performed considering
- Results presented at public meeting #2
- Generally presentation appreciated but some participants wanted to see report before the meeting
- Report prepared afterword and posted on website

f) Request from CRC member to rank each source of contaminants

- Study was not performed this way
- The ambient air quality, St Marys impacts and the cumulative effects

g) Concern from CRC member

- Alarms from hearing about burning plastics
- But temperatures at which fuel consumption within cement kiln (“complete combustion”) occurs is controlled compared with other processes

h) Application Submission

- Supporting documentation
  - Reports from studies and procedures
- Amendment to the current Air Environmental Compliance Approval
- Posting on the Environmental Registry
- Goal to update the ECA but not certain whether a revised/amended/new permit will result as this is the first cement plant submitting an application under the ALCF regulation
- Will likely make reference to fuel handling procedure and other documents

i) Next steps

- February 2020: Respond to comments and address concerns
- February 2020: Post results on website
- February 2020: Prepare consultation report and post on project website
- March 2020: Submit ALCF application to MECP
- Spring Summer 2020: MECP reviews application
- Note: condensed plain language report has been produced but complete reports available on website with all tables
- When approval is received, operation is ready to go at increased level, construction of additional storage capacity would occur at later time

## 2. Community Concerns

a) Three concerns received regarding January 23th blast

- Blast was in NE area of quarry on Level 2
- No exceedences for ground or air vibration limits
- Blast was delayed to 3pm due to contractor mechanical difficulties
- Followed up with one community member
- Still attempting to reach two other community members by email

### 3. St Marys Operations Report

#### a) Monitoring Station Locations

- The monitoring station locations were reviewed and are as follows:



- PM 10 stands for particulate matter which is less than 10 microns in size
- Dust fall jars take a sample over 30 days which is sent for testing, PM 10 BAM monitors take an hourly sample and PM 10 hi-vol monitors take a sample for a 24H period, every 6 days

#### b) New permanent seismograph in progress with Municipality

#### c) PM10 Results

- No exceedences in PM10 in continuous monitoring stations
- One instance near the limit in 2019

#### d) Dust Fall Monitoring

- No exceedences

#### e) Opacity

- Opacity exceedance on January 27<sup>th</sup>
- Opacity above 20% for 6 minutes due to the failure of the kiln bag house compartment

f) SO<sub>x</sub> emissions

- Exceeded allowance for 2019, transfer credits from St Marys, ON operation for 2019 to comply
- Concerned that this is above limit
- Scrubber project has been delayed and is scheduled for March 2021 and is expected to reduce emissions below the allowance levels in 2021
- 2020 allowance based on allowance for past 3 years – it is expected that credits from St Marys will be transferred in 2020 but will not be in 2021

g) NO<sub>x</sub> emissions

- Below limit in 2019 and transferred credits to St Marys, ON operation
- Below limit in 2020 and expect to be below limits at end of year
- NO<sub>x</sub> emissions related to thermal process (amount of O<sub>2</sub> and temperatures)
- In process, actions that decrease SO<sub>x</sub> emissions by trapping sulphur within clinker will result in increase in NO<sub>x</sub> emissions

h) Dock Operations – continuing practices to minimize impacts

i) Quarry Operation

- Producing 2,3,5 until March, switch to 1,4,5
- Overburden stripping, screening and stockpiling
  - Stripping ongoing
  - No screening planned for 2020
  - No berm construction in 2020, areas have been completed
  - Seeding occurs annually, will need to reseed areas in 2020 that did not successfully vegetate

j) Vibration Results

- No ground or air vibration exceedances for 2019

**4. Other items**

a) Detour Route

- Tour occurred allowing residents to drive through the detour route
- Signage was identified as a weakness – some signs at forks are located beyond the fork

b) Truck was stuck last week on Cedarcrest Beach Road, preventing people from entering

- Tanya and Ruben contacted but they were not available – generally best to contact the plant 905-623-3341 ext. 292 to reach control room
- Multiple signs indicating there is a dead-end
- Could consider installing an additional sign indicating that the plant entrance is not accessible (will not pursue at this time)
- May be due to out-of-date GPS

c) Annual Report

- Still need to do 2018 and 2019 report
- Need to change format of report to new CRC format

d) Community concern

- Expecting that 2020 will be worse than 2019
- No shoreline protection
- Emotional time period in the spring due to flooding, homes damaged and one family displaced
- CRC member asked if clay could be used to build a berm between marsh and road to prevent marsh to top road
- If road is overtopped, homes will be evacuated and power would be cut off and damage would occur due to sump pumps being shutdown
- Request that the company respond to this concern
  - Can company open discussion with CLOCA and township about providing raw materials?
  - Can St Marys build a breakwater? – rock is not suitable for use in water, as riprap
  - Could be done without any acknowledgement of liability or taking on liability
  - Request will be taken back to company
- Can council do something to make this happen?
  - This is desirable as it is very expensive (overtime, materials)
- Current approach
  - 10s of thousands of sandbags
  - Huge resident, township, volunteer effort
  - Not a permanent solution

**5. Next Meeting**

- May 5<sup>th</sup> 2020