

St Marys Cement Community Relations Committee

Meeting Minutes

Tuesday February 6, 2018

6:00 p.m. – St Marys Cement, Bowmanville Plant

Attendees: Amy Burke, *Senior Planner, Municipality of Clarington*
Jeff Mitchell, *Port Darlington Community Association*
Chris Richards, *Environmental Manager, St Marys Cement*
David Veenstra, *Port Darlington Community Association*
Ernie Hamilton, *Quarry Manager, St Marys Cement*
Jim Grimley, *Wilmot Creek Homeowners Association*
Jim Storey, *Operations Manager, St Marys Cement*
Ruben Plaza, *Environmental Manager, St Marys Cement*
Tanya Pardy, *Human Resources Manager, St Marys Cement*
Willie Woo, *Municipality of Clarington Council*
Pauline Witzke – *Port Darlington Community Association*

Guests: Saad Sarfraz, *Student, St Marys Cement*
Dan Corkery, *Golder & Associates*
Kara Terpstra, *Environmental Coordinator, St Marys Cement*

Regrets: Cherisse Diaram, *Quarry EIT, St Marys Cement*

1. Agenda adopted

- Moved by Amy Burke
- Seconded by Willie Woo

2. Adoption of Minutes

- Minutes from December to be forwarded by email with a proposal to return comments by Monday.

3. Golder Presentation

- Dan Corkery from Golder & Associates made presentation on blasting and its effects to the group. Presentation is attached separately.
- In terms of the effects of air concussion, Dan noted that air pressure pulses can create rattling and rumbling noises. Dishes and windows may rattle at 119db. St Marys rarely exceeds 121 db, which is well below their limit of 128db. Blasts would need to exceed 140db to cause damage.
- Ernie noted that they are using 3.5” holes on the south side in order to reduce should and vibration. They also now only drill two rows of holes on the south side to eliminate the “confining” hole problem that can cause stronger blast effects.
- An email notification protocol for Port Darlington Area residents has been developed through the collaboration of St. Marys Cement and the Port Darlington Community Association. St.

Marys will send email notification to the Port Darlington area group email address to provide advanced warning of a blast when blasting is scheduled for days other than the regularly scheduled Tuesday and Thursday blasting. Both parties are monitoring this approach and will recommend and discuss adjustments to the process, as necessary.

4. Review of Community Concerns

- There were 8 community concerns received to date for the first quarter
 - 3 of the 5 blast complaints were from one individual, for one issue to three different bodies for the same issue.
 - 2 of the noise complaints were unrelated to St Marys Cement activities
- Dust – 1
- Blasting – 5
- Noise – 2

5. St Marys Operations Report

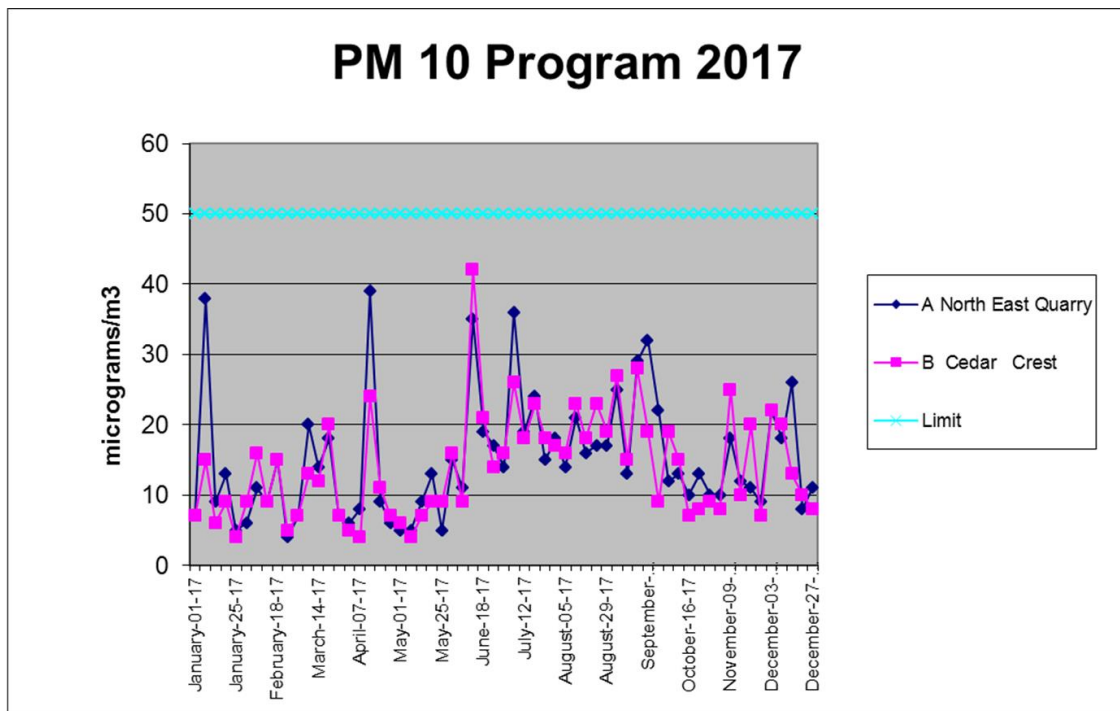
PM 10 and Dust Fall Monitoring

- The PM10 monitoring stations and dust fall sampler locations were reviewed and are as follows:

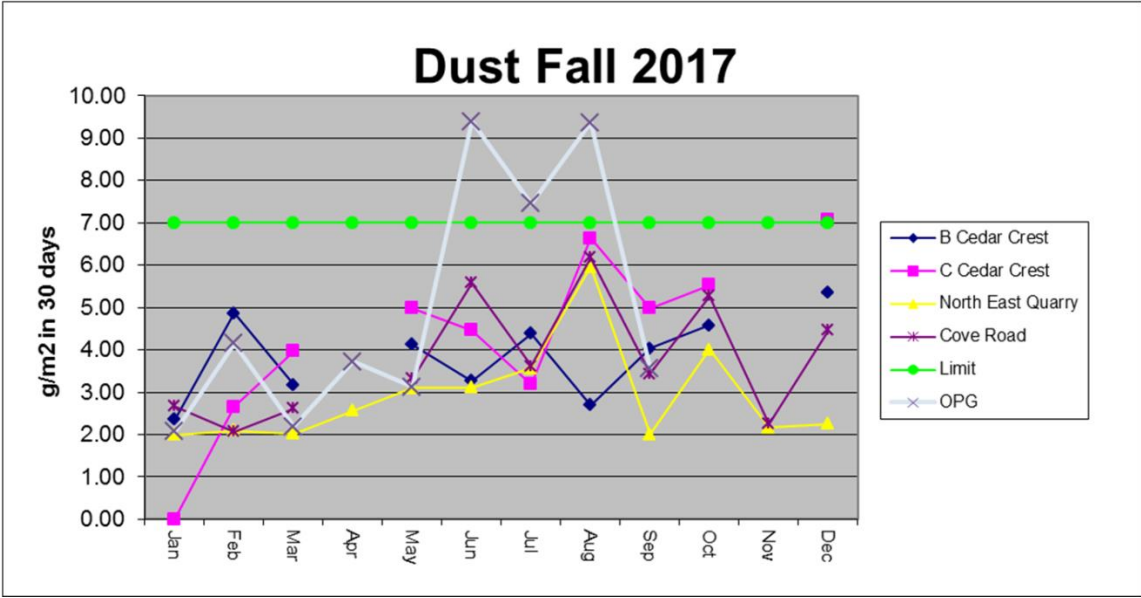
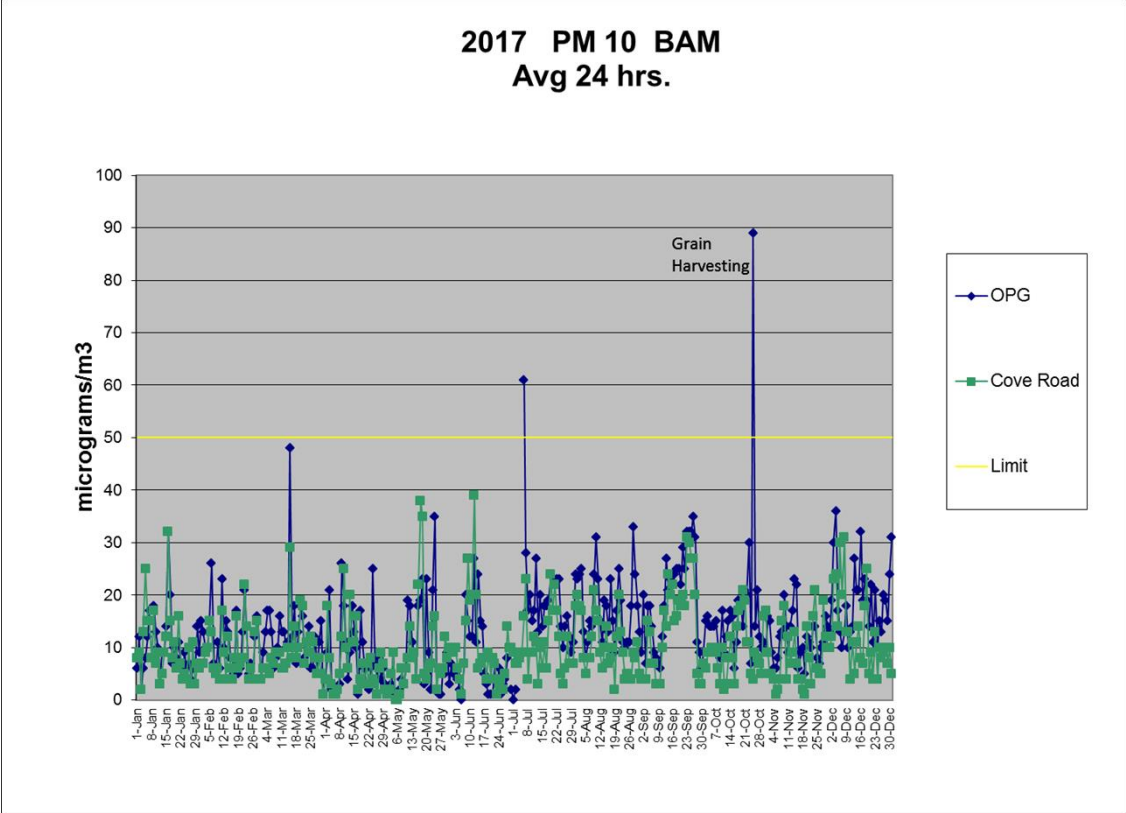


Sample Station	Location	Monitor
OPG	OPG	PM 10 BAM ,Dust fall Jar
Cove Road	Cove Road	PM 10 BAM , Dust Fall Jar
North East Quarry	Hutton Transport	PM 10 Hi Vol, Dust Fall
Aggregate	Aggregate	Seismograph
Baseline	Baseline	Seismograph
Cedar Crest	Cedar Crest	PM 10 Hi Vol Dust Fall
C	Cedar Crest (MOECC location)	Dust Fall Jar

- Dust fall jars take a sample during 30 days, PM 10 BAM monitors take an hour sample and PM 10 hi-vol monitors take a sample for 24H periods every 6 days



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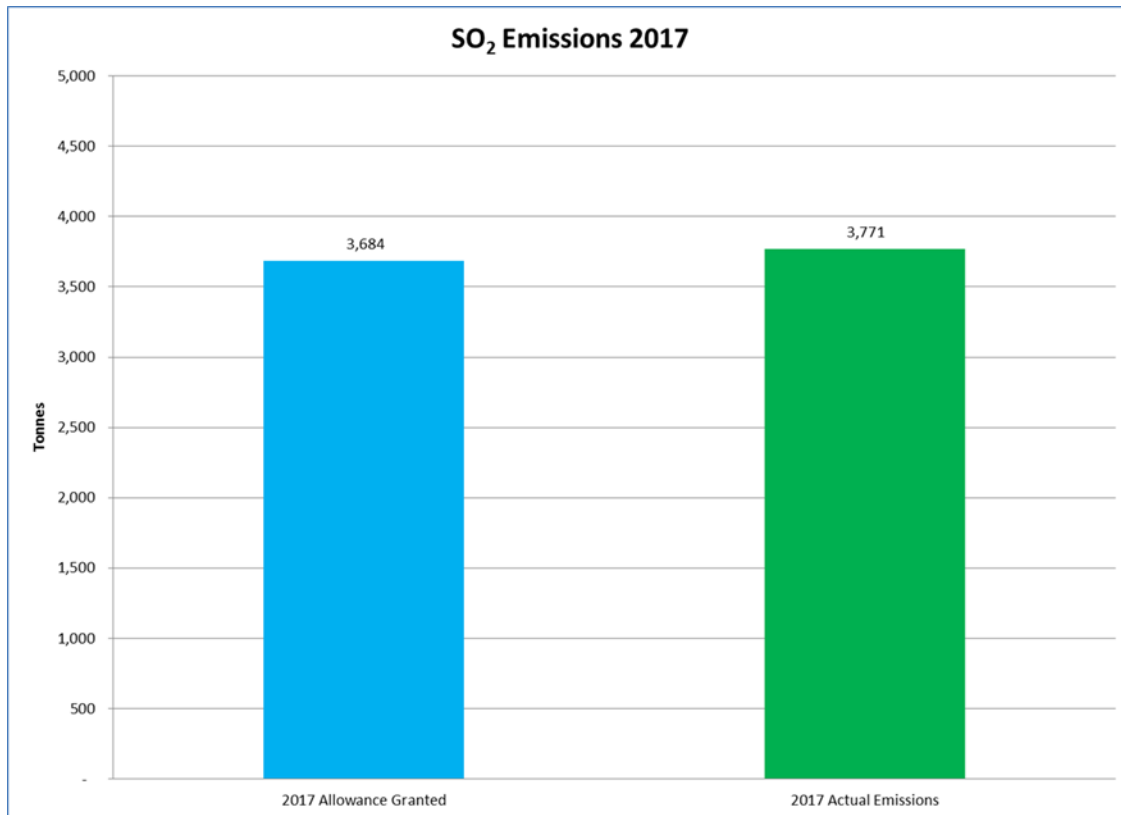


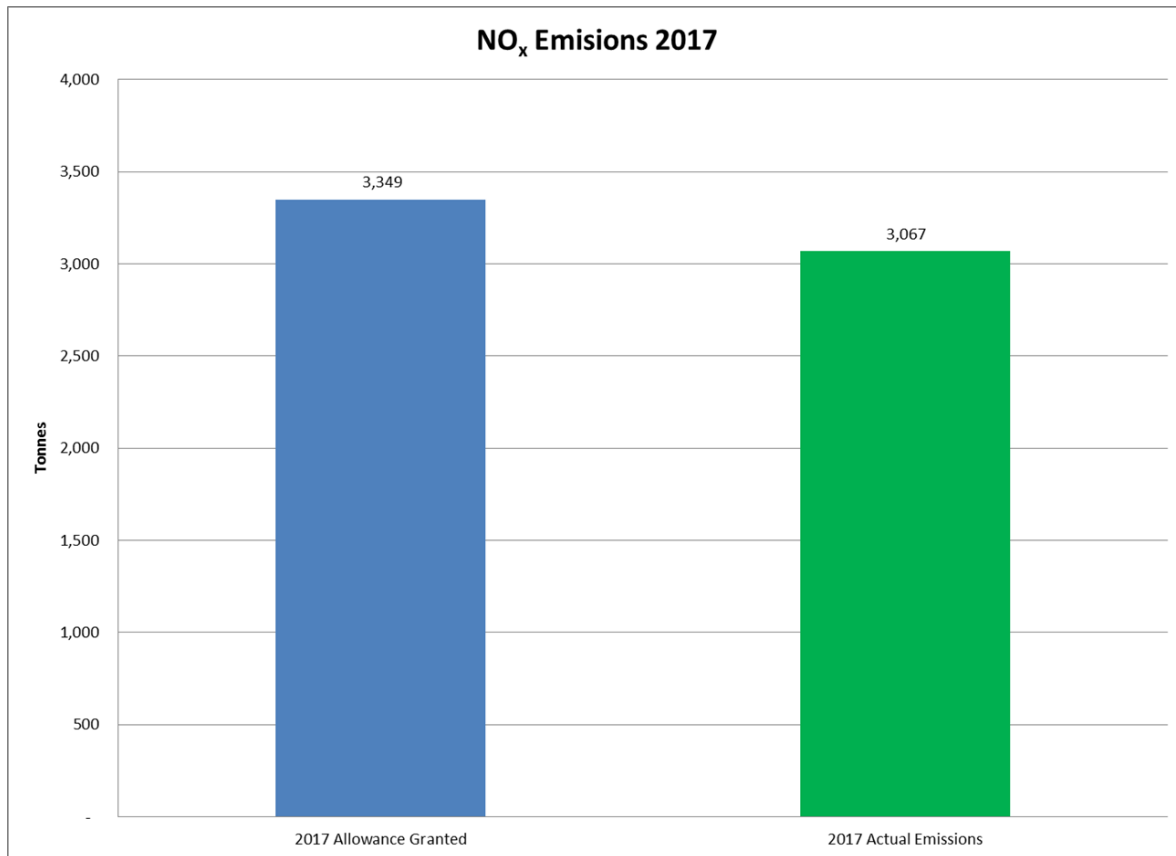
Stack Emissions

- SO₂ emissions for 2017 to December 31 were 3,771 tonnes; the total allowance for 2017 is 3,684 tonnes. St. Marys will transfer credits from our St. Marys, Ontario facility to cover the

difference. In order to reduce these emissions as they go deeper into the mine, St Marys plans to invest in expensive scrubbing equipment.

- NO_x emissions for 2017 to December 31 are 3,349 tonnes; the total allowance for 2017 is 3,067 tonnes.
- Emissions related to input chemical content (higher sulphur content in limestone feed results in higher sulphur emissions).
 1. Ammonia injection is used to control NO_x
 2. Hydrated lime and lime hydrator control SO₂

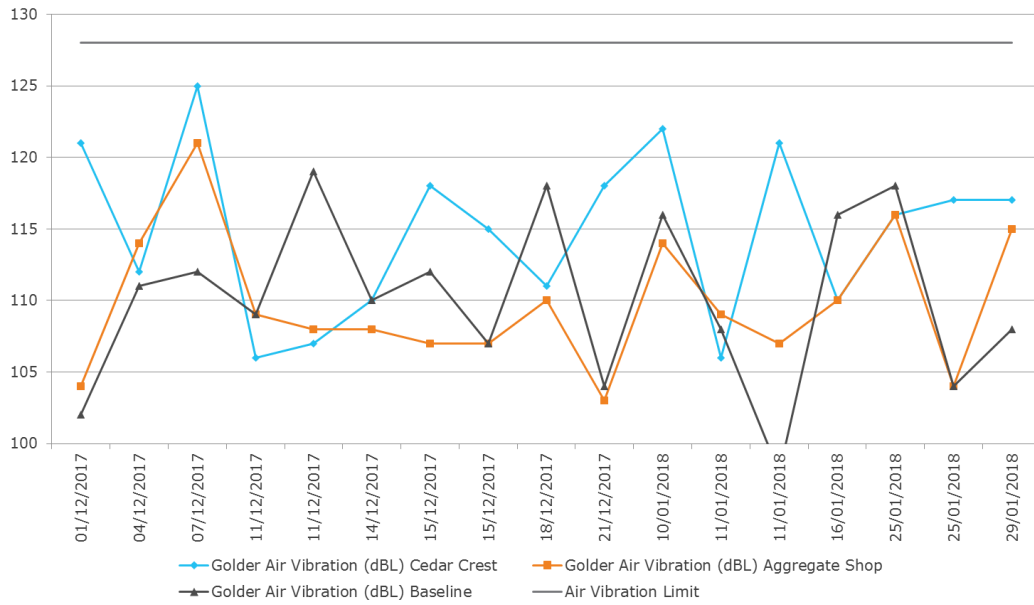




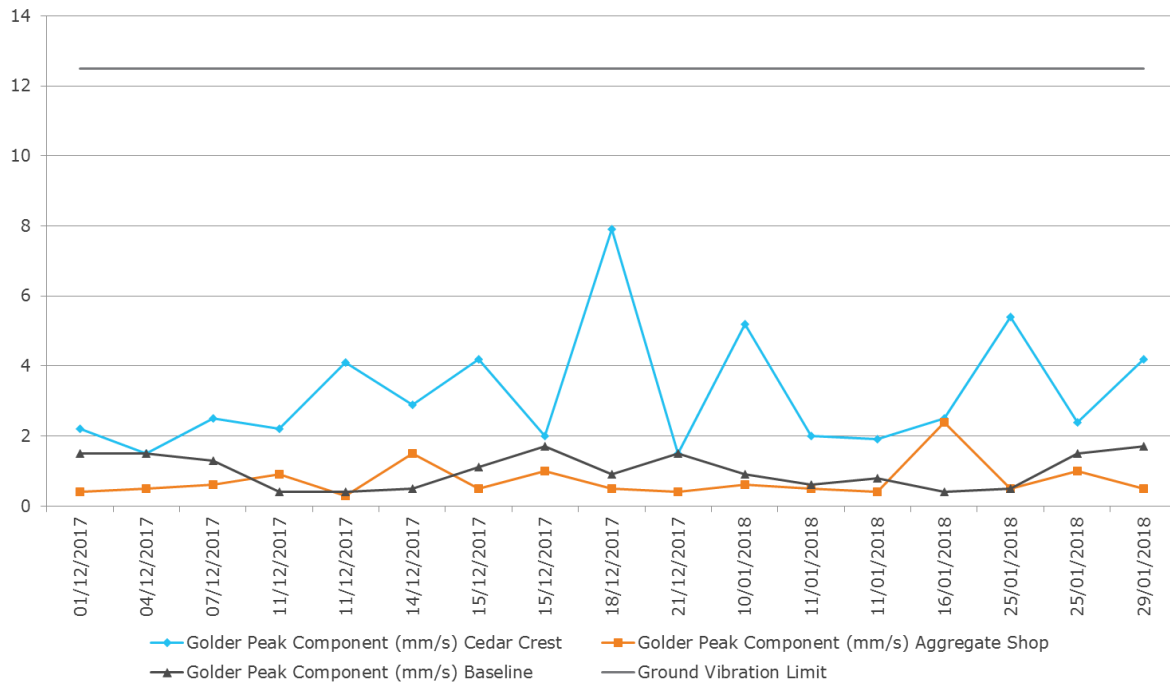
6. Quarry Operation

- Producing at quarry levels 2, 3 and 5.
- No ground or air vibration exceedances during the final quarter of 2017 or to date in 2018.
- Overburden stripping, screening and stockpiling, has not resumed for 2018.
- Additional clay to be hauled in 2018 as part of Port Hope Area Initiative, possible other projects. Start date not yet known.
- Berm construction will continue to the east in 2018. Start date not yet known.

Peak Air Vibration Level (dB)



Peak Ground Vibration Level (mm/s)



Dock Operations

- Dock use is closed for winter.

7. Community Outreach (2017 Q4)

- Bowmanville Hospital

- Big Brothers & Big Sisters of Clarington
- Clarington Sports Hall of Fame
- Santa Claus Parades (Courtice, Bowmanville, Newcastle)
- Books for Breakfast with Santa (YMCA program for children)
- Community Care Durham (Luncheon Out program in Bowmanville)
- Turkeys for Hampers and Christmas dinner – St. John's, St. Joesph's, St. Vincent de Paul, Bethesda House, Salvation Army, Denise House

8. Terms of Reference

- Minor revisions added – attachment separate to minutes.

9. CBM Underground Aggregate Mine Update

- No new updates.

10. Annual CRC Report

- Potential dates for the annual CRC Report and presentation to Clarington Council discussed. Next meeting rescheduled to May 8, 2018 at 5:00 pm in the St. Marys main boardroom in order to discuss and provide approval of the 2017 CRC Report. The annual presentation to Clarington Council will then be scheduled for late May or early June 2018. Draft report to be circulated by St. Marys prior to the May meeting for review.

11. Next CRC Meeting

- May 8, 2018 @ 5:00 pm – St. Marys main boardroom