

St Marys Cement Community Relations Committee

Meeting Minutes

Tuesday March 7th, 2017

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

Attendees: Amy Burke, *Senior Planner, Municipality of Clarington*
Chris Richards, *Environmental Manager, St Marys Cement*
Ernie Hamilton, *Quarry Manager, St Marys Cement*
Glenda Gies, *Port Darlington Community 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*
Dave Veenstra, *Port Darlington Community Association*

Guests: Heather Melcher, *Golder Associates*
Mike Lebreton, *Lands Manager, CBM Aggregates*
Andres Ortega, *People & Management Representative, St Marys Cement*

Regrets: Cherisse Diaram, *Quarry Engineer, St Marys Cement*
Jim Grimley, *Wilmot Creek Homeowners Association*
Rick Rossi, *Port Darlington Community Association*

1. Agenda adopted

- moved by Tanya Pardy
- seconded by Glenda Gies

2. Minutes from last meeting

- Minutes to be forwarded by Tanya, missed after the last meeting

3. Review of Community Concerns

St Marys reported that it had received one complaint from the community in the 1st quarter of 2017. This complaint was received on January 31, 2017 through a Municipality of Clarington Councillor and was responded to by the Environmental Manager.

Additionally, St Marys reported receiving two inquiries for information/assistance:

- From a resident located in Pickering who was hearing loud banging in her residential area, and wondered if we could assist her in determining the source of noise.
- OPG regarding dust, as they were doing construction work and St Marys was working. OPG was trying to determine the source of dust.

Community representatives asked St Marys to determine the source of and address a loud unusual noise at night. The Plant Manager will follow up to determine if the source of the noise is within the plant.

Community concerns can be directed to 905-623-3341 x. 254.

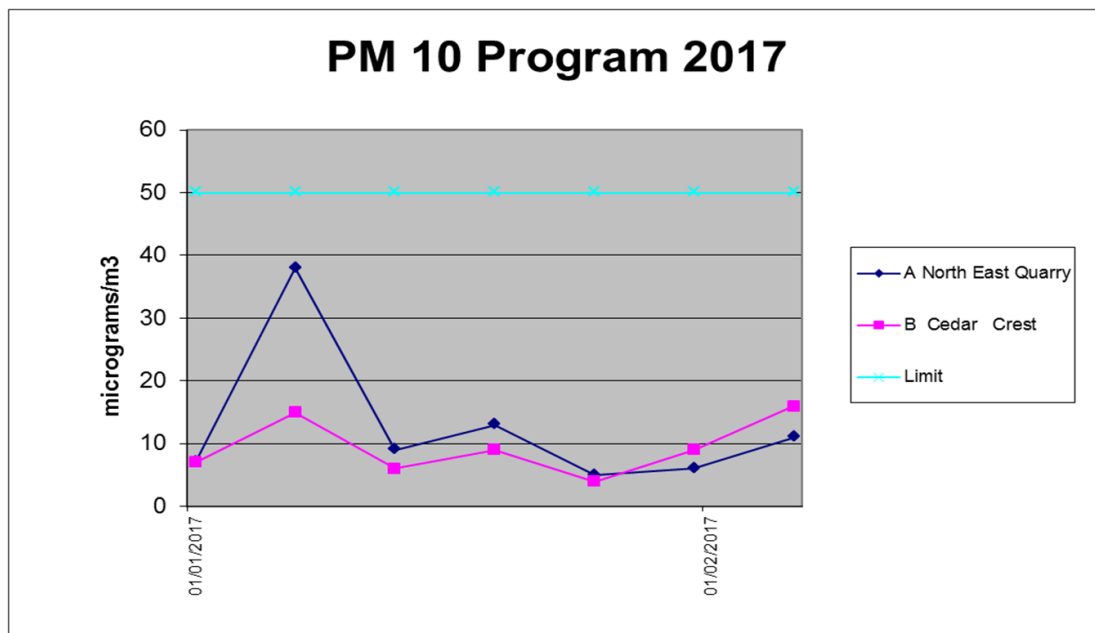
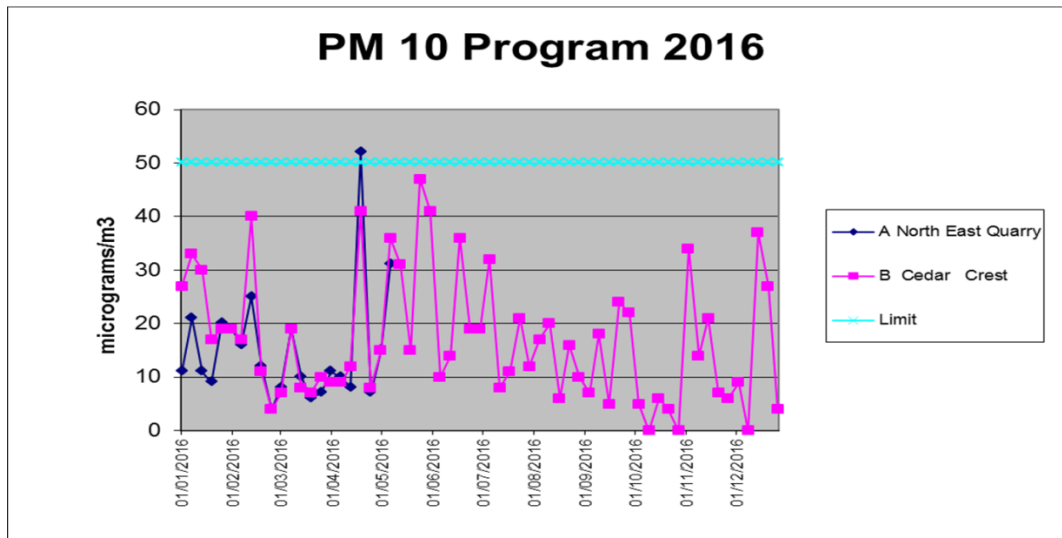
4. Environmental Results

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

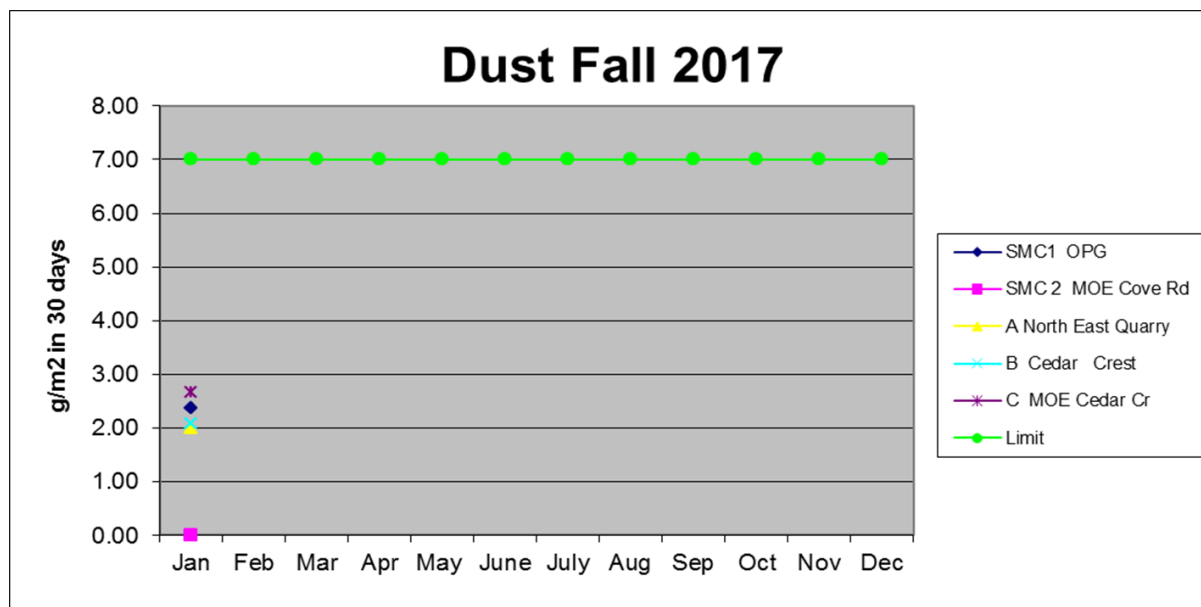
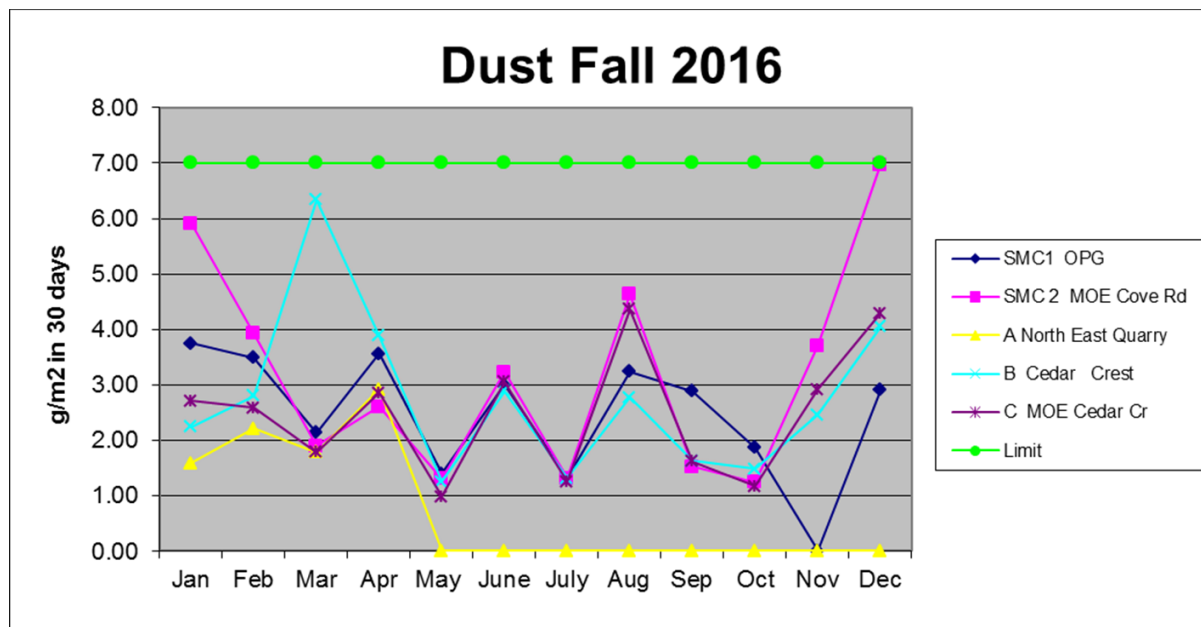


Sample Station	Location	Monitor
SMC1	OPG	PM 10 BAM ,Dust fall Jar
A	Hutton Transport	PM 10 Hi Vol, Dust Fall
B	Cedar Crest	PM 10 Hi Vol Dust Fall
C	Cedar Crest (MOE location)	Dust Fall Jar
SMC2	Cove Road	PM 10 BAM , Dust Fall Jar

- Sample station A previously decommissioned during berm construction along the east side of the property was put back online in January 2017.
- No exceedances from PM10 monitors or Dust Fall samplers or BAM monitors were recorded since the last CRC meeting:
- St Marys provided the full 2016 PM 10 data and the Quarter 1 2017 data.

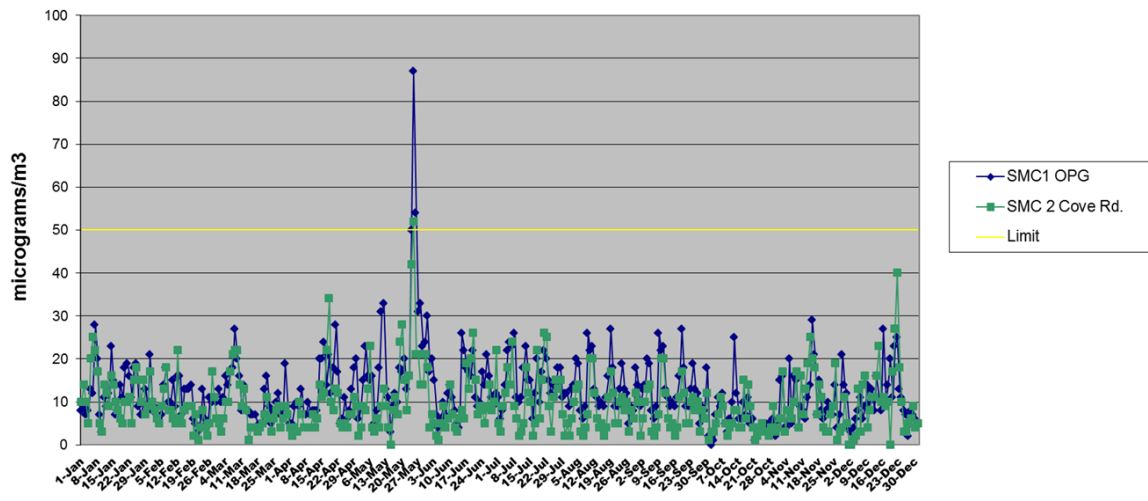


- St Marys provided the full 2016 Dust Fall data, noting that there were no Dust Fall Exceedences in 2016

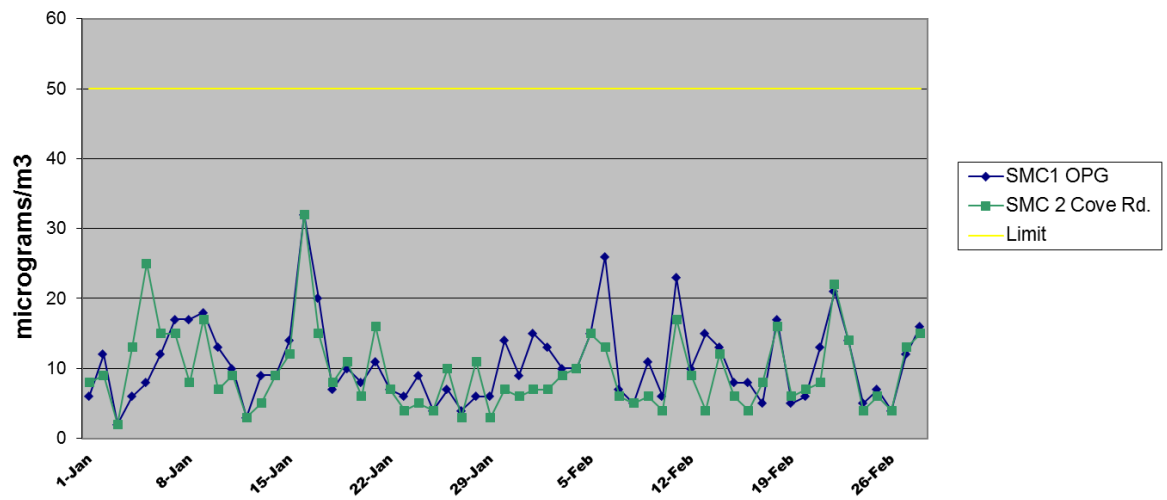


- St Marys is discussing relocating Dust Fall sampler North East Quarry with the Ministry of the Environment and Climate Change.
- St Marys provided the full 2016 PM 10 BAM data and the Quarter 1 2017 data

**2016 PM 10 BAM
Avg 24 hrs.**



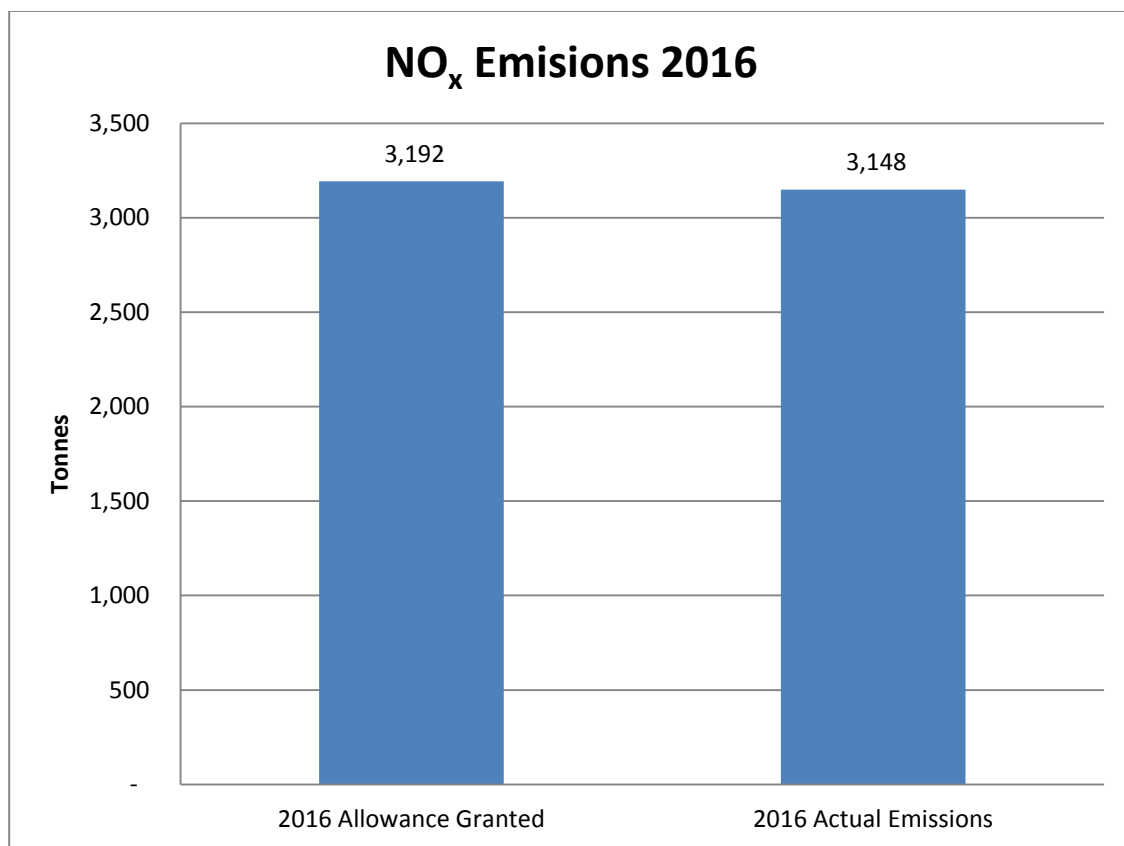
**2017 PM 10 BAM
Avg 24 hrs.**



SO₂ and NO_x Emissions

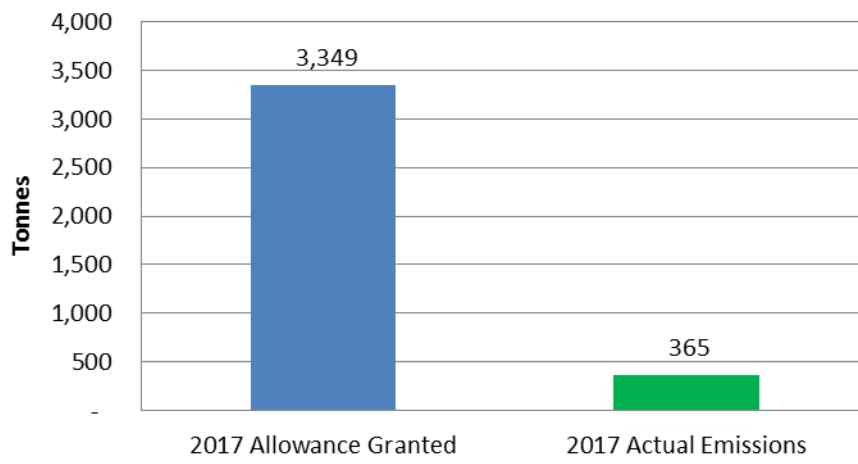
SO₂ emissions for 2016 to October 31st are 4,431 tonnes; the total allowance for 2016 is 3,511 tonnes.

- NO_x emissions for 2016 to May 31st are 2,596 tonnes; the total allowance for 2016 is 3,192 tonnes.
- SO₂ emissions are higher than previous years due to the raw materials being used (largely the input of limestone from the quarry with higher sulphur content)
- Ways to reduce this are being investigated, with support from upper management team
- Lime hydrator technology performing fairly well but there are still improvements needed, as this is a new technology
- Additional measures being investigated but this will take many years to design, permit, get capital approval, and construct

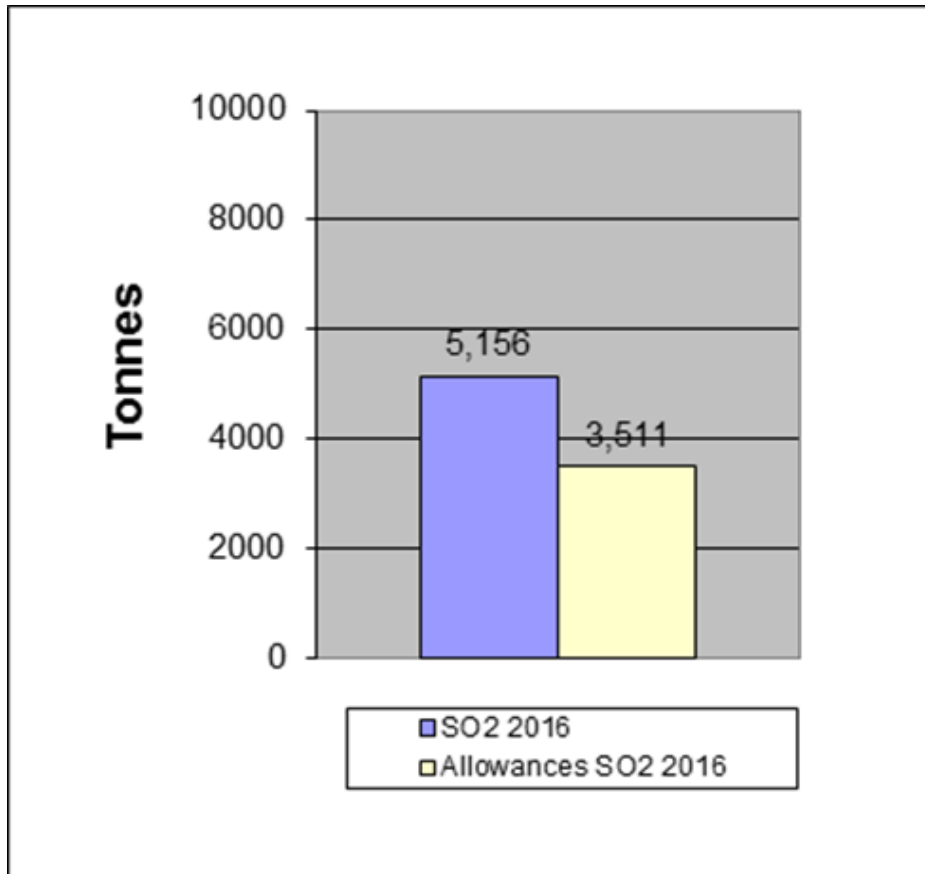


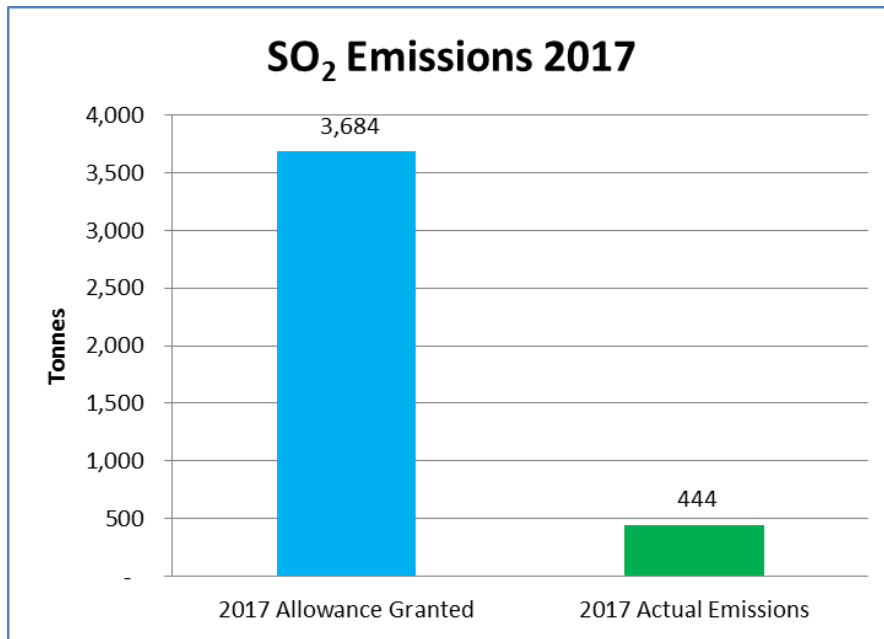
St. Marys' operations released 3,148 tonnes of NO_x between January 1 and December 31, 2016, 44 tonnes below the 2016 allowance of 3,192 tonnes granted by the Ministry of Environment and Climate Change (MOECC).

NO_x Emissions 2017



St. Marys' operations released 5,156 tonnes of SO₂ between January 1 and December 31, 2016. Allowances of SO₂ will be transferred from the plant in St Marys to the plant in Bowmanville (both owned by St. Marys Cement) to cover the difference from the 3,511 tonnes granted by the Ministry of Environment and Climate Change (MOECC) for 2016.



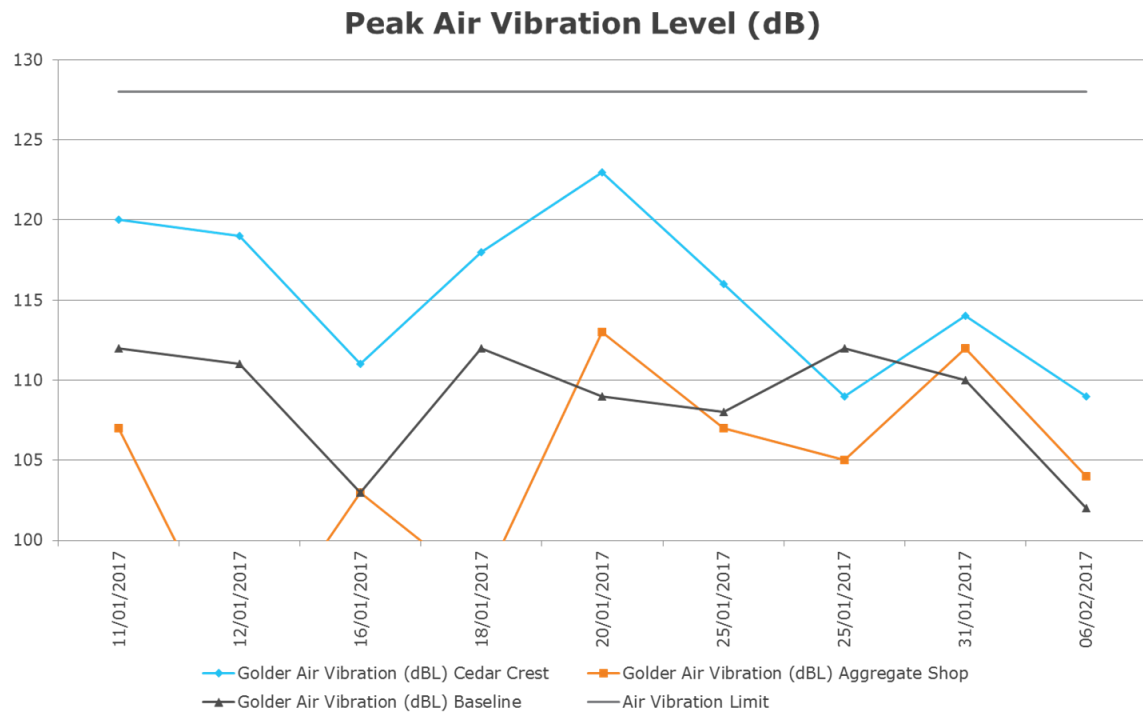
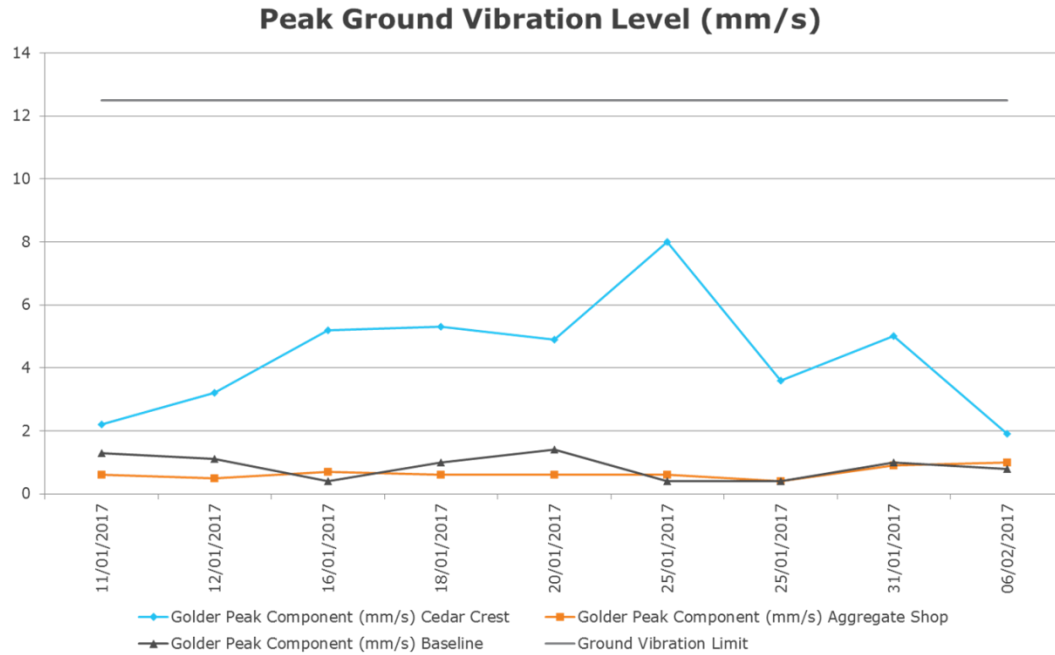


5. Dock Operation Practices

- Controls are in place to reduce dust generated from dock operations
 - Petcoke piles are covered in tarps and dust suppressant is applied on open faces
 - Coal piles are not covered in tarps due to the risk of self-ignition; instead, dust suppressant is applied on the piles – most piles are coal piles presently
 - Maximum height of fuel piles is 10m
 - Boat unloading Operations stop when wind speeds exceed 40km/h and are in direction of concern
 - Backup alarms on all equipment consistently on site

6. Quarry Operation

- The plant is currently shutdown for scheduled maintenance
- After start up, limestone will be extracted from levels 2, 3 and 5, then switching to levels 1,4 and 5 soon
- No ground or air vibration exceedances in start of 2017
- Overburden stripping and stockpiling to be started when weather permits
- Berm construction to continue along east side of property
- All portions of the berm constructed to date have had topsoil and seed applied
- Clay may be hauled as part of Port Hope Area Initiative, TBD
- Stockpile Investigation to determine whether the stockpile at the southeast end of the property has the potential to be used as feedstock for cement production is being considered, TBD



7. Community Outreach

- No activity in the first quarter of the year
- St Marys reported that they expect to host schools again in the second quarter.

8. Project Updates

- a) Alternative Fuel Project – permits available to use waste wood as fuel St Marys is working on sourcing material. Wood fuel replacement estimated to commence summer 2017.
- b) Mining Under the Lake – Update provided by Golder to the group
 - Golder Reports are complete
 - Environmental Assessment to be completed over the next 15 months
 - Public Information Sessions will be held during this time
 - There is a webpage for updates on the project:
<http://bowmanvilleexpansion.ca/>
 - Going forward, as this is a CBM Aggregate project, St Marys suggested that this project have its own similar Community Relations type meetings to provide updates on the project. Tanya to speak to David about the suggestion.

9. Website

- Is almost complete, and a link will be sent out to the CRC members to review.

10. 2017 CRC Meetings

- Next meeting will Tuesday June 6th, 2017