

# St Marys Cement Community Relations Committee

## Meeting Minutes

Tuesday October 3<sup>rd</sup>, 2017

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

**Attendees:** Amy Burke, *Senior Planner, Municipality of Clarington*  
Cherisse Diaram, *Quarry EIT, St Marys Cement*  
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*  
Nancy Edwards, *Port Darlington Community Association*  
Rick Rossi, *Former Port Darlington Community Association*  
Ruben Plaza, *Environmental Manager, St Marys Cement*  
Tanya Pardy, *Human Resources Manager, St Marys Cement*  
Willie Woo, *Municipality of Clarington Council*

**Guests:** Saad Sarfraz, *Summer Student, St Marys Cement*

**Regrets:** Jeff Mitchell, *Port Darlington Community Association*

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### 1. Changes to Agenda

- Adopt March 2017 and June 2017 minutes
- Remove vote for co-chair item
- Request from Port Darlington Community Association Board to review PDCA member structure received. Matter deferred to discussion of CRC Terms of Reference later in the meeting (item 8).

### 2. Agenda adopted

- moved by Amy Burke
- seconded by Willie Woo

### 3. Minutes from last meeting approved

- Amy reviewed and sent changes to minutes
- comments invited from other members

### 4. Review of Community Concerns

- In the 3<sup>rd</sup> quarter of 2017 (to October 4<sup>th</sup>) we have received 8 community complaints:
  - 1 – Noise and Dust

➤2 – Noise

➤5 – Noise and Vibration

- August 21<sup>st</sup>: noise and dust complaint
  - Two calls from resident on August 21<sup>st</sup>
  - First to report boat unloading on the weekend
  - Second to report noise
- September 18<sup>th</sup>: voicemail - caller said concern about blast being noisy
- September 18<sup>th</sup>: voicemail - caller said felt the blast was louder than normal
- September 18<sup>th</sup>: voicemail - called because there was a lot of activity on the community webpages regarding the blast
- September 19<sup>th</sup>: voicemail - caller said that the blast on September 15<sup>th</sup> was really loud. Her house shook and it wasn't very nice.
- September 19<sup>th</sup>: caller said blast was unbelievably strong, stated that it shook her house and pictures.
- September 19<sup>th</sup>: caller new to neighbourhood and stated that the blast on 15-Sep was really bad like an earthquake.
- September 26<sup>th</sup>: caller phoned about September 15<sup>th</sup> blast, said blasting at SMC is getting worse, it made her house and pictures shake.
- Complaint communicated through municipality on July 27<sup>th</sup> was included in 2<sup>nd</sup> quarter count
- Blast on September 15<sup>th</sup> was Friday and at the south end of quarry
  - Complaints sometimes stem from deviating from Tuesday/Thursday blast schedule due to unfavourable weather conditions on Tuesday or Thursday
  - Reading for blast was below limits but possible that blast felt different, being closer to community than recent previous blasts
  - At south end of quarry, measures implemented to reduce impact of blast by reducing number of holes and size of holes used
  - This is expected to reduce the vibrations resulting from the blast but will increase the number required
  - Blasting vibration limit is 12.5 mm/s and 128 dB for sound
    1. Blast on 15<sup>th</sup> was around 5-6mm/s
    2. Concern due to working from home often
      - a. Regulatory limits below vibration levels which will cause damage to structures
      - b. People are able to perceive very low levels of vibration
      - c. Higher vibration readings at the monitors do not correspond to days when complaints are received
    3. Suggestion to send table about different common vibrations encountered to CRC
  - PDCA members to discuss with community other ideas for communicating necessary blast schedule changes to adjacent neighbourhood.

- Blasting will continue on south side of quarry but less so than other areas
  1. Recommendation to include one slide on quarry limits and final pit plan for next meeting

## 5. Environmental Results

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

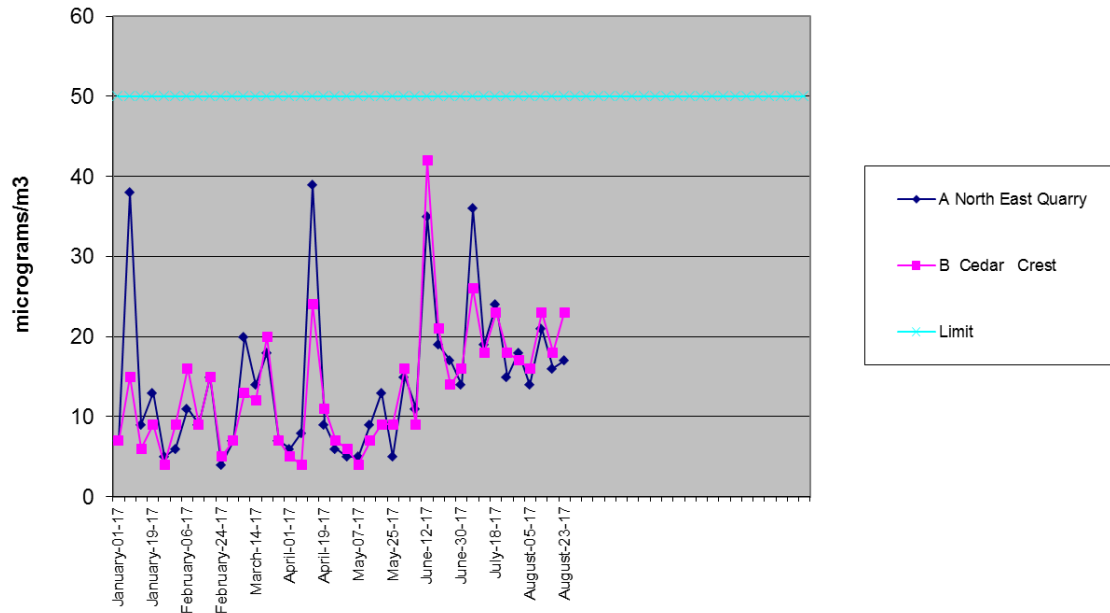


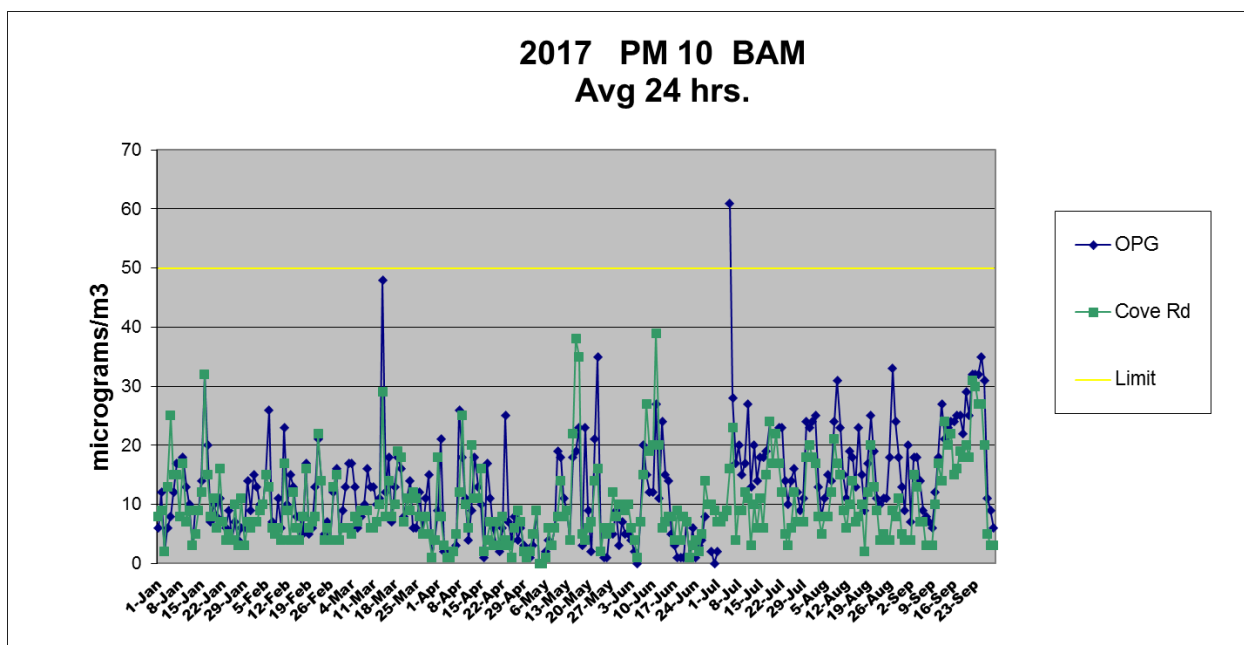
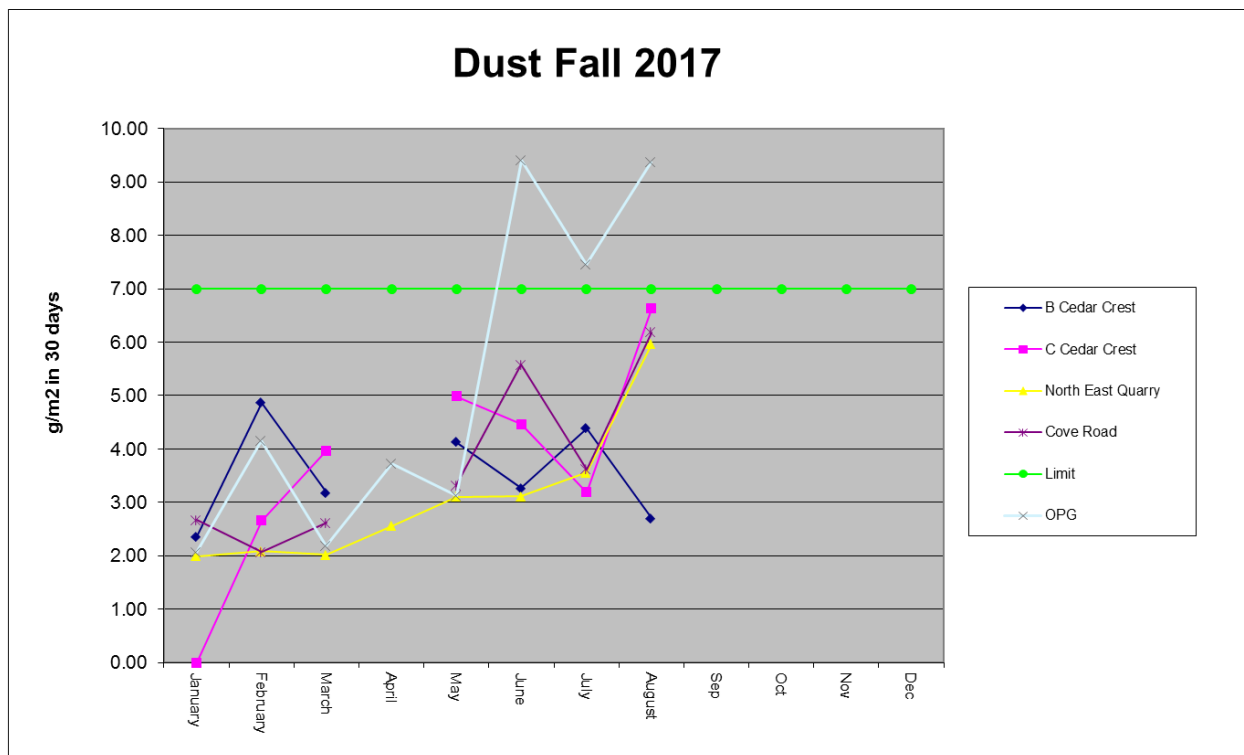
Sample Station	Location	Monitor
SMC1	OPG	PM 10 BAM ,Dust fall Jar
A	Hutton Transport	PM 10 Hi Vol, Dust Fall
B	Cedar Crest	PM 10 Hi Vol Dust Fall
C	Cedar Crest (MOECC location)	Dust Fall Jar
SMC2	Cove Road	PM 10 BAM , Dust Fall Jar

- 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
- Exceedances recorded were not caused by St Marys Cement's operation they were caused by construction near monitor location

Date	Test	Site	Cause
June	BAM	OPG	Road work on Energy Drive
Jul-17	PM10 Continuous	OPG	Road work on Energy Drive
July	BAM	OPG	Road work on Energy Drive
August	BAM	OPG	Road work on Energy Drive

## PM 10 Program 2017





- SO<sub>2</sub> and NO<sub>x</sub> Emissions
  - SO<sub>2</sub> emissions for 2017 to September 30<sup>th</sup> are 2,624 tonnes; the total allowance for 2017 is 3684 tonnes.
  - NO<sub>x</sub> emissions for 2017 to September 30<sup>th</sup> are 2,249 tonnes; the total allowance for 2017 is 3,349 tonnes.

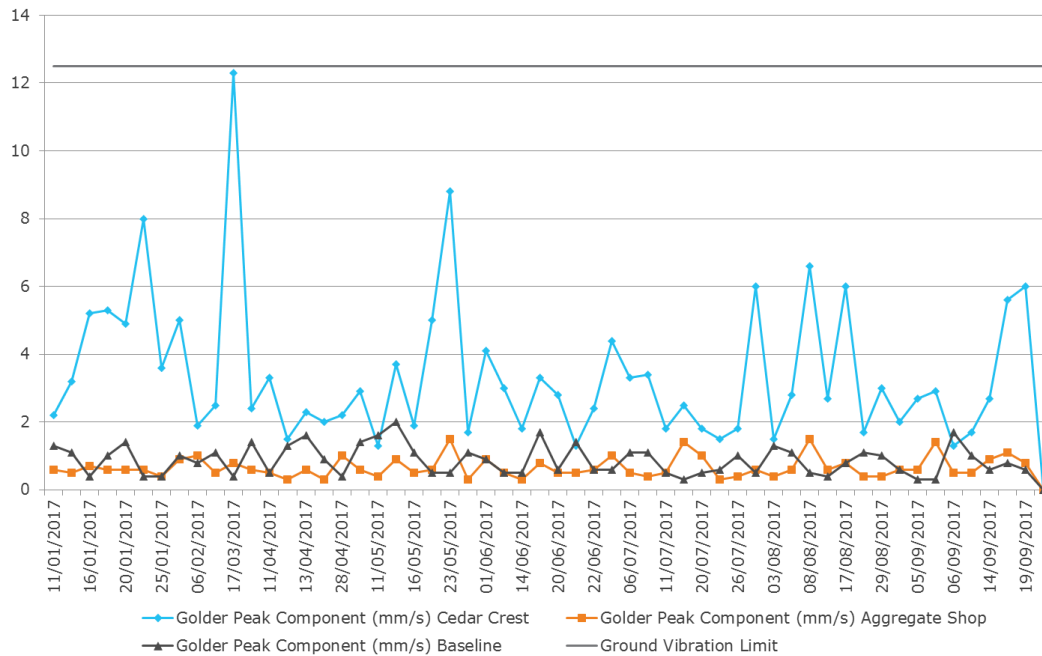
➤ Emissions related to input chemical content (higher sulphur content in limestone feed results in higher sulphur emissions)

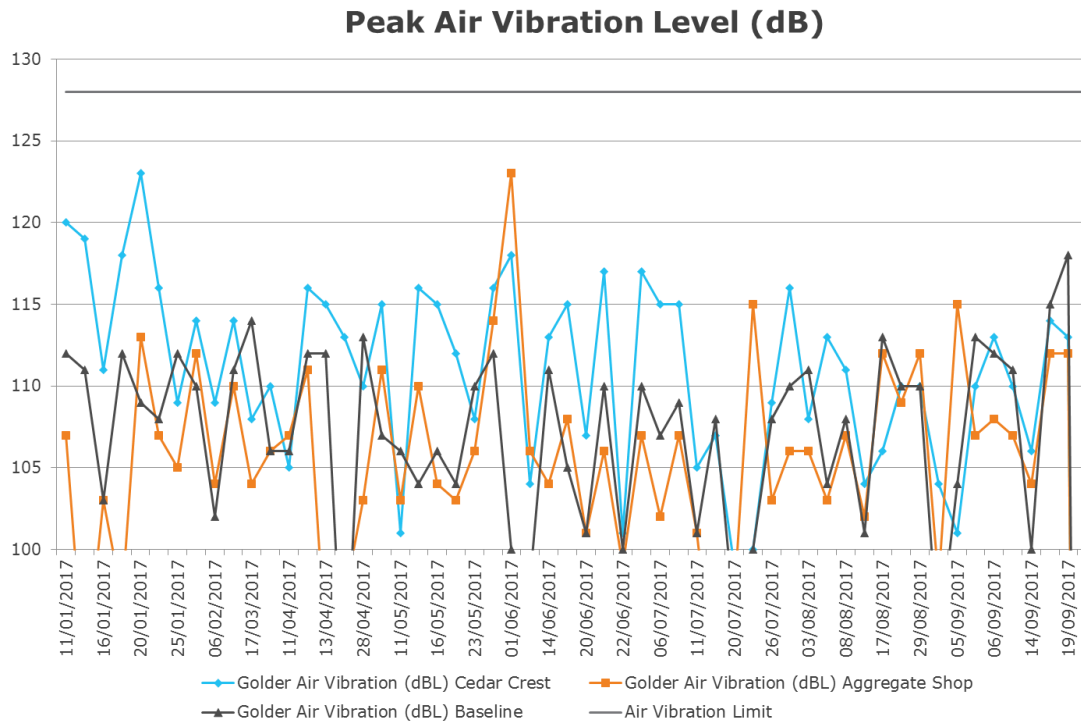
1. Ammonia injection is used to control  $\text{NO}_x$
2. Hydrated lime and lime hydrator control  $\text{SO}_2$

## 6. Quarry Operation

- Producing 1,4 and 5 , to switch to 2,3,5 around the end of October
- No ground or air vibration exceedances in 2017 to September 30<sup>th</sup>.
  - High vibration value in March did not result in complaints
  - Reduced hole size/number of holes
- Overburden stripping and stockpiling and screening ongoing
  - Berm construction to continue along east side of property
  - Clay being hauled as part of Port Hope Area Initiative, stockpiles at gate across from plant road entrance to Waverly Road

**Peak Ground Vibration Level (mm/s)**





## 7. Community Outreach

- Hosted local farmers group for a tour
- Participated in 5th Annual Touch a Truck event
- Courtice Concerts in the Park
- Mayor's Golf Classic
- Durham Children's Watershed Festival
- Shakespeare in the Park
- Golf Tournament to support Hearth Place

## 8. Terms of Reference

- Following annual CRC update presentation to Council, Council resolution passed requesting that the CRC review and update the Committee Terms of Reference. The current, original Terms of Reference are from 1998.
- Updates proposed by Municipality and SMC distributed by email earlier in the day, hard copies with tracked changes distributed during meeting
- Change recommendations requested and will discuss at next meeting

## 9. Overflow channel

- Runs adjacent to property along former Waverly Road, part of which is within West Side Marsh and part of which is within St Marys Cement property
- Channel has built up again

- Clearing of this channel was performed several times during Spring/Summer with permission from CLOCA
- Build-up of sand bar is natural process due to currents and occurs within hours of opening it
- On some of those occasions, water flowed from the lake into the channel, rather than from the marsh through the channel
- Work at this channel cannot be carried out unless permitted by CLOCA
- Meeting scheduled on October 26<sup>th</sup> between Clarington, CLOCA and St Marys
  - Ruben will take request for updates to community to meeting and Amy will inform the municipality representatives of the same

#### **10. Projects Update**

- Low Carbon Alternative fuels – chipped demolition waste wood use to start in November (at 8% replacement)
- Low Carbon Alternative fuels – plastics trial to be done later

#### **11. CBM Underground Aggregate Mine Update**

- no new updates
- Will request that the schedule be updated to reflect current situation/delays and upcoming meetings and be posted on the project website

#### **12. 2017 CRC Meetings**

- Will schedule blast visit/tour for CRC members, tentatively next Thursday
- Next meeting Tuesday December 5<sup>th</sup>, 2017