

Community Liaison Committee Meeting Minutes

June 4th, 2021
10:00am
Zoom Meeting

Present	St Marys Cement: Kara Terpstra, Vanessa Barr, Ruben Plaza St Marys Council: Jim Craigmile, Tony Winter, Brett Kittmer Community Members: Marti Lindsay, Rodger Muir, Marvin Arthur, Fred Stam, Gordon Snelling MECP: Bob Slivar Guest: Greg Bracci Regrets: Stew Grant, Jose Soraggi
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1. Welcome and Introduction

10:00am Kara welcomed everyone to the meeting.

Kara shared some pictures of the peregrine falcons on site which have had 3 chicks this year.

Thank you to the town for allowing us to use the Zoom/YouTube channels for this meeting

Round table introductions of CLC Members.

Also extended a welcome to residents viewing on the YouTube live stream.

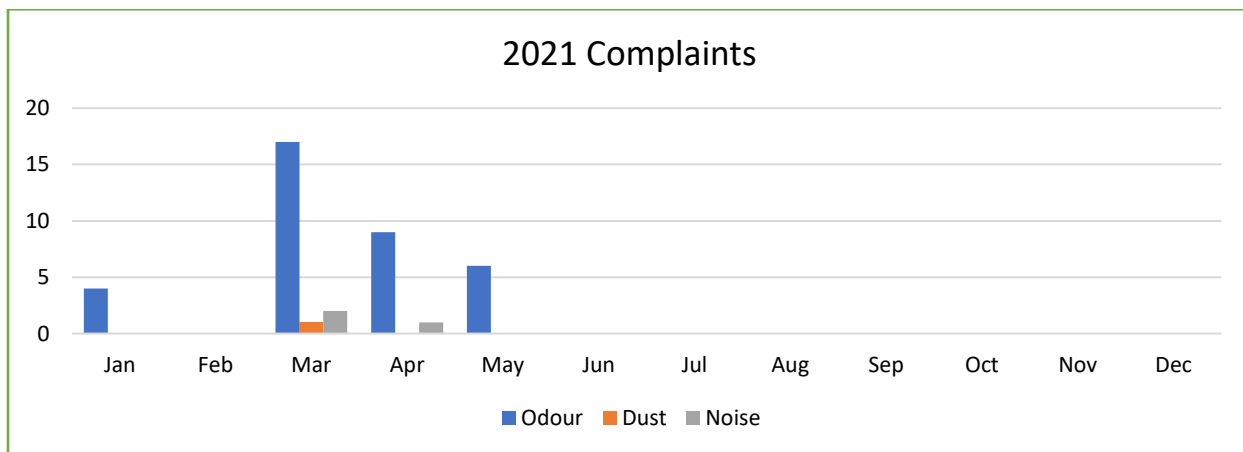
No comments or concerns were brought forward about the June 4th, 2021 meeting.

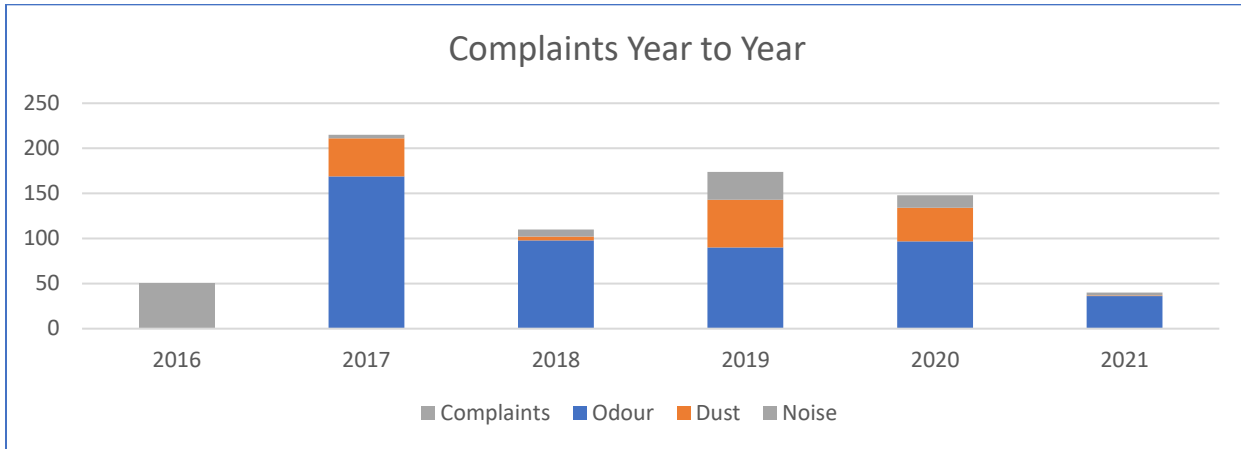
*Note that today's meeting was recorded and can be watched here;

<https://www.youtube.com/watch?v=yK-WWPSoyz0>

2. Community Complaints

Total number for the complaints 2021 YTD. Some small updates are required to the graphs.





Reminder that Complaints that 'Mention Health' are counted when a resident calls with an odour complaint and highlights that they have a health concern. They are not separate complaints received by the plant.

3. Wind Projections

In previous meetings the CLC has discussed the predominant wind directions in St Marys and viewed the data using wind projections. The wind projections for January – May 2021 were shared.

March 2021 had high number of complaints compared to other months in 2021. Almost half of the complaints received in March were from one resident who lives directly North East of the plant. The wind projection shows the wind direction was towards the North East substantially less than other months.

4. Enviro-Suite

Greg Bracci from Enviro-Suite shared a presentation on the new software and hardware being installed and used at the St Marys plant for odour monitoring and complaint validation. The presentation discussed how the Enviro-Suite software takes input data from odour concerns received by the facility, validates it using the odour trajectory, and resolves the cause of the odour. Greg reviewed an example of an odour complaint in St. Marys, Ontario and discussed the importance of noting specific times on odour complaints, as wind direction can shift within a complaint period.

5. Noise Abatement of Kiln Stack

St Marys Cement discussed the innovative approach being taken towards Noise Abatement. Typically, a noise silencer is used to remove industrial noise from fans. SMC is working with INVC on a different approach where Computational Fluid Dynamic modelling is done on a fan to determine where inefficiencies lie and remove these inefficiencies using aeroacoustics inserts.

The inserts will remove the tonal noise however an additional noise silencer might be required after to get the main stack down to the required limits. Therefore, SMC has worked with the MECP to alter the NAAP timeline to have the main stack for completion in 2023.

6. Questions Brought Forward in Advance

1. Discussion on the origin of the limestone (why does this area have so much?)
 - Limestone is formed when minerals precipitate out of water
 - Fossils of Flora and Fauna can also be found in the quarry limestone
 - Our limestone comes from the Devonian Era (419.2M years ago to 358.9M years ago)
 - The 'Devonian Bench' of limestone extends all the way to Southern Michigan
2. Size and lifespan of the quarry and plans for expansion
 - St Marys Cement Quarry is approximately 1300 acres
 - Altogether there is 50 years of limestone reserves

3. Sources of the clay and gypsum used for cement manufacturing
 - Clay is some of the overburden and is mined on site
 - Gypsum can come from a variety of sources, either synthetic (manufactured in Michigan) and naturally occurring (Nova Scotia, Newfoundland, Michigan)
4. What products does SMC produce?
 - At the plant we manufacturer 9 different blends of cement, see below
 - Our company also has Aggregate and Ready-Mix operations which provide concrete
5. Is cement only sold in bulk for further processing?
 - Cement is sold in bulk, totes, and in bags from St Marys Plant
 - St Marys Cement Plant manufactures the cement product and then Ready Mix operations mix it with water and aggregate to create the concrete
6. Does SMC produce/sell premixed dry concrete in bags?
 - No, St Marys Cement Plant only manufacturers the cement.
7. What are some of the specialty cements manufactured?
 - St Marys Plant manufactures 9 different blends of cement
 - Contempra is the environmentally friendly cement which has higher percentages of limestone and lower carbon footprint
 - Masonry cement which is specially designed for bricking applications
 - Silica Fume blended cement is used for higher strength applications like a high rise
 - General Use cement is used for houses and buildings in town
 - High Early cement is used for precast applications such as garden statues
 - The other types of cement vary on strength and set time depending on what is the end use

7. Round Table

Fred confirmed that with the Enviro-Suite software SMC will be able to confirm whether or not a complaint came from SMC.

Rodger asked how long the sensors will store data which is until the point of installation.

Tony has talked to one of his new neighbours and assured them that SMC is within the MECP guidelines. The Mayor has also received calls about dust complains in the past.

Jim is looking forward to the information that the Enviro-Suite project will bring throughout its use at the plant. Enviro-Suite is also going to provide more technical information about the operation of the ambient air monitors.

Gord asked about the Main ID fan and whether it was fixed or variable speed, it is fixed speed.

Rodger speculated about the degree of trust needed to establish credibility with residents who have concerns over cement plant operations. Kara noted that with consistency and transparency hopefully residents will have their questions answered however some residents may continue to have concerns.

8. Closing Remarks

The next meeting will be in September 2021.