



Votorantim Cimentos North America
Community Liaison Committee
March 11, 2022



St Marys Cement



Agenda

- ❖ **Welcome and Introductions**
- ❖ **Review of December 3rd, 2021 Meeting Minutes**
- ❖ **Complaints 2021 and 2022 Year to Date**
- ❖ **Alternative Low Carbon Fuels Meeting February 3rd, 2022**
- ❖ **Dust Complaints December 6th**
- ❖ **SMC Odour Complaints**
- ❖ **New CLC Members Open Discussion**
- ❖ **Questions Brought Forward in Advance of Today's Meeting**
- ❖ **Round Table**
- ❖ **Closing Remarks**

Welcome and Introductions



The next Community Liaison Committee Meeting is going to be held on **March 11th, 2022 at 10am**. Due to the COVID-19 Pandemic this meeting will be held virtually. Members of the public who wish to observe as the members of the Committee discuss information with respect to St Marys Cement can watch the live meeting online. Please see the Town of St Marys Events Calendar for the link to the online meeting.

Residents interested in joining the Committee to engage in maintaining open dialogue between the plant and local residents, ask questions about information and reports provided by third parties including the Ministry of Environment and the Ministry of Health, and seek mutually beneficial solutions for both residents and St Marys Cement Plant can contact Kara Terpstra at 519-284-1020 x 235 or at kara.terpstra@vcimentos.com for further information. Deadline to apply is March 1st, 2022.

Please submit any questions and concerns for the meeting by March 1st, 2022 to kara.terpstra@vcimentos.com.

- ❖ Thank you to the Town of St Marys for allowing us to use their Youtube Channel
- ❖ Round Table Introductions
- ❖ Did anyone have any comments/concerns about the December 3rd Meeting Minutes

Complaints 2021 Year to Date

Complaints 2021 Year to Date

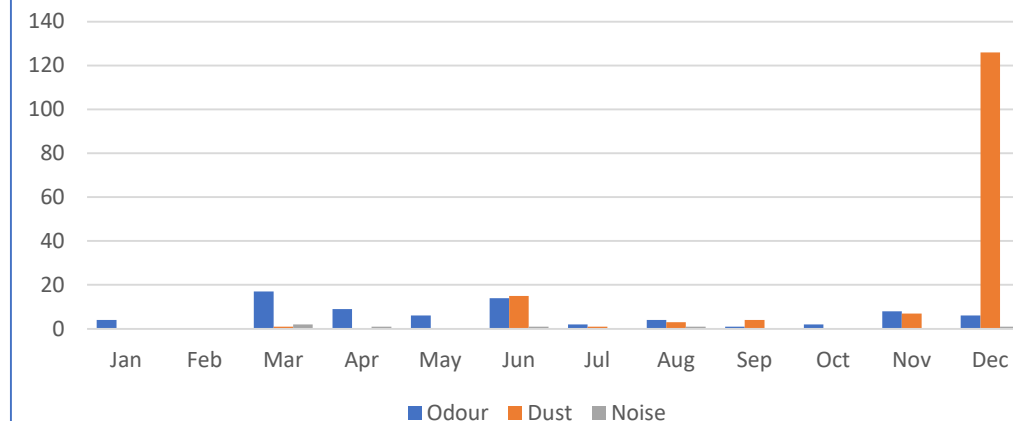
	Odour*	Mention Health**	Dust***	Noise
Total	73	62	157	6
January	4	3	0	0
February	0	0	0	0
March	17	16	1	2
April	9	9	0	1
May	6	4	0	0
June	14	11	15	1
July	2	2	1	0
August	4	3	3	1
September	1	1	4	0
October	2	2	0	0
November	9	8	7	0
December	6	2	126	1

* Odour complaints reviewed on the next slides

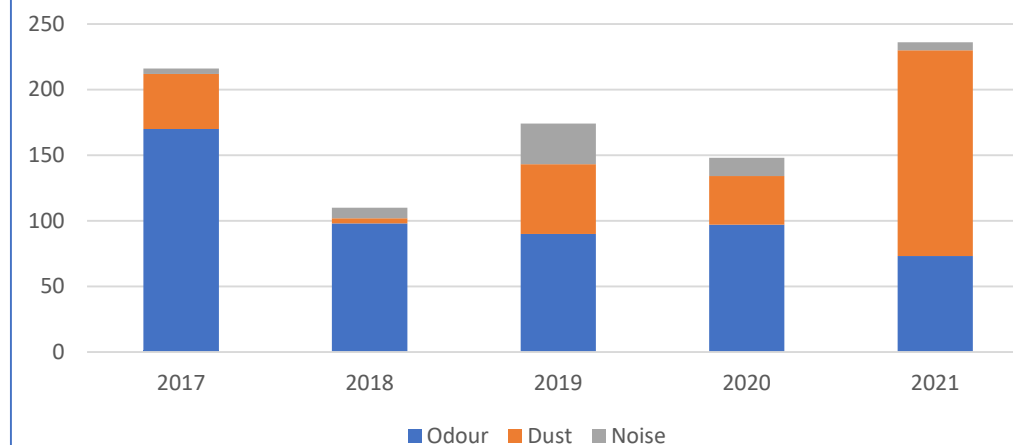
** Dust Complaints reviewed on next slides

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

2021 Complaints



Complaints Year to Year



Complaints 2022 Year to Date

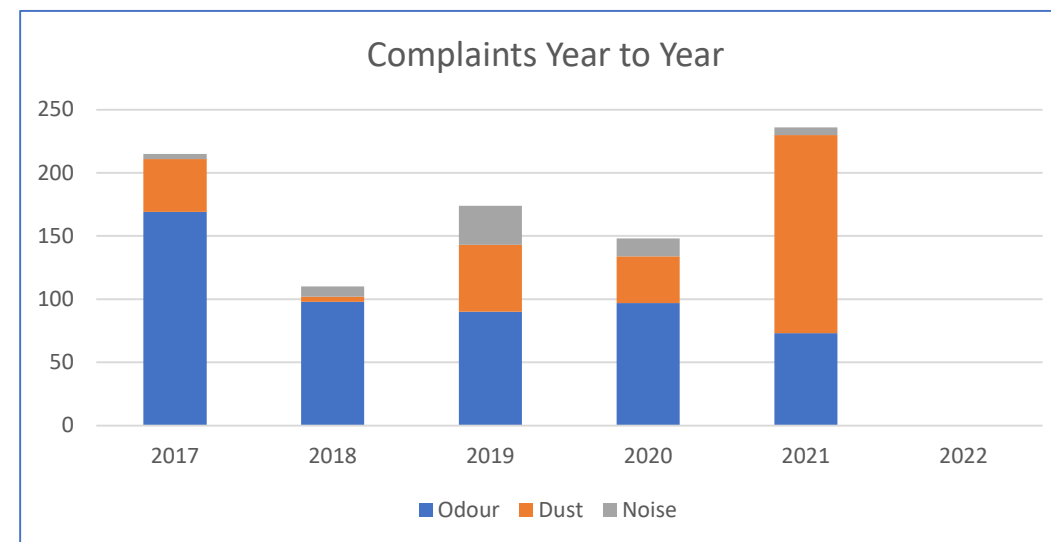
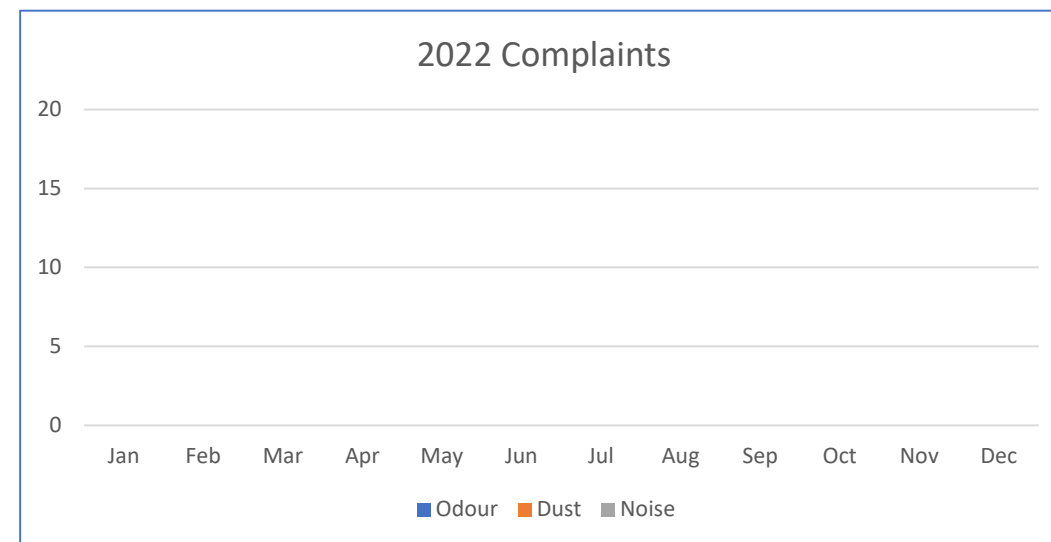
Complaints 2022 Year to Date

	Odour*	Mention Health**	Dust***	Noise
Total	0	0	0	0
January	0	0	0	0
February	0	0	0	0
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

* Odour complaints reviewed on the next slides

** Dust Complaints reviewed on next slides

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



Dust Complaints December 6th

Date	Number of Complaints	Results
December 6 th	126	Indicative of Cementitious Material

Source	Cause	Corrective Actions
Kiln Discharge	Kiln Feed flow meter malfunction	<ul style="list-style-type: none"> • Reported to MECP Spills Action Center • Remediating adverse affects noted by residents • Replacement of the flowmeter that malfunctioned • Installed programming changes to detect malfunctions and create alarms • Kiln shutdown programming installed

Odour Complaints December 2022 to Present

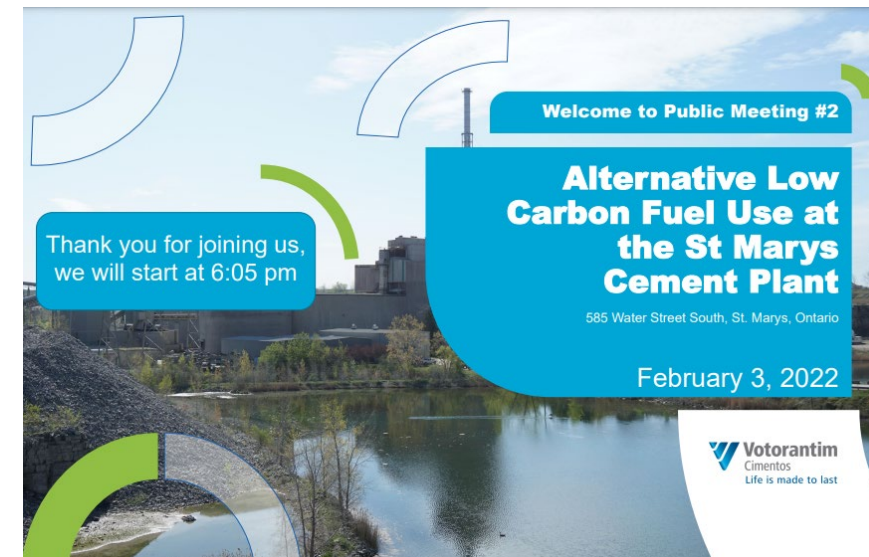
Date	Enviro-Suite Results
Thursday December 2 nd from 4:50 to 7:30am	Likely originated from SMC
Thursday December 2 nd ; morning	Possibly originated from SMC
Friday December 3 rd ; 1:00pm to 3:30pm	Not SMC
Monday December 6 th ; 7:30 to 11:30am	Likely originated from SMC
Friday December 10 th , 11:00am	Possibly originated from SMC
Friday December 30 th ; 2:48pm	Possibly originated from SMC

Type	Count
Likely originated from SMC	2
Possibly originated from SMC	3
Not SMC	1
Location not provided	0



Alternative Low Carbon Fuels Public Meeting

- Proceeding with the use of Alternative Low-Carbon Fuels at St Marys Plant will help **reduce greenhouse gas emissions in Ontario** and use materials **that have valuable heat value** content out of land-fills
- On February 3rd SMC held the Second Public Meeting presenting our intent to apply for an Alternative Low Carbon Fuels (ALCF) permit and the use of Hydrogen as a fuel.
 - Notice of Intent to apply was posted in the newspaper from January 12 – February 2nd
 - The Meeting was held virtually with a question box for residents to submit questions to the Project Team.
 - Information presented can be found on the St Marys Cement website
 - <http://www.stmaryscement.com/Pages/Sustainability/St-Marys-Alternative-Low-Carbon-Fuels.aspx>
- The Projects Team presented preliminary results for the project including;
 - Integration of ALCF into the process
 - Proposed types of ALCF at the plant
 - Impact on Air Emissions
 - Impact on Noise
 - Archaeology Study
 - Traffic Study



Use of ALCFs at St Marys Cement

What Will Remain the Same?

Process

- Cement Production Process at Plant
- Kiln operations at 1500°C
 - High temperatures and counter-flow of materials to heat result in most of the trace compounds being retained in the product

Compliance - Regulation

- Continued O. Reg. 419/05 Requirements

Compliance - Permit

- Odour Abatement Plan
- Dust Best Management Practices Plan
- Noise Abatement Action Plan
- Complaint Program

Monitoring

- SMC CEM & CPM
- SMC Source Testing
- MECP Ambient Monitoring



CEM – Continuous Emission Monitoring
CPM – Continuous Process Monitoring
QA/QC – Quality Assurance and Quality Control

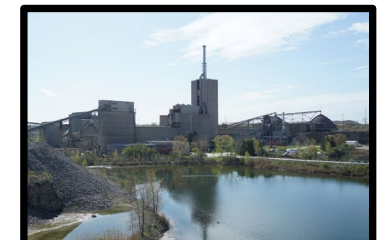
What Will Change?

Process

- Reduced amount of conventional fuel use
 - **reduction** in greenhouse gases
- Increased use of ALCFs in rotary kiln
 - **no change** in compliance with O. Reg. 419/05 air quality standards
 - **reduction** in landfill materials
- New Enclosed ALCF Storage
 - **no change** in noise levels
 - **prevention** of odour and dust nuisance

Compliance – Regulation & Permit

- New Requirements under O. Reg. 79/15
- Fuel Handling & Testing Manual
 - Fuel Material QA/QC



Use of ALCFs at St Marys Cement

Environment

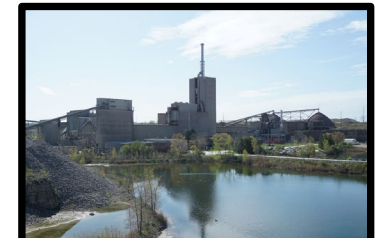
- Continued compliance with all Provincial and Federal regulations and requirements
- MECP limits the substances released into air that can affect human health and the environment through air quality standards through O. Reg. 419/05
- Local air quality has been monitored by the MECP and SMC's programs



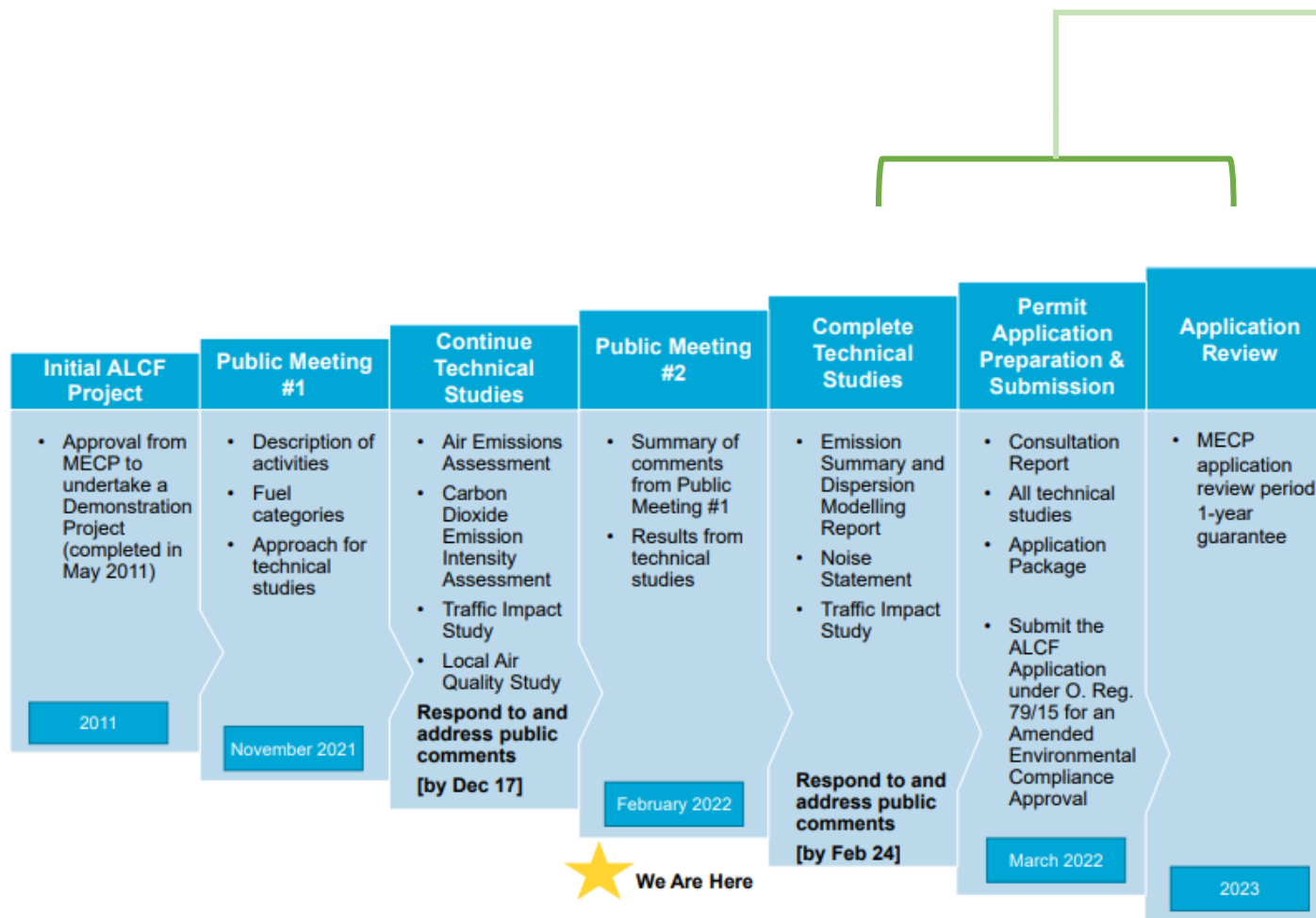
MECP – Ontario Ministry of Environment, Conservation and Parks

Health

- Perth District Health Unit (PDHU) - St. Marys Cement - Health Hazard Investigation Report (2018)
 - Report may be found on the Town of St. Marys website (Air Quality page)
 - PDHU found that while emissions from SMC are likely contributing to local air pollution levels, they are within the acceptable standards set out by the MECP to protect the environment and human health
 - PDHU examined local health data and data showed that there is no evidence of elevated rates of adverse health outcomes in St. Marys



Alternative Low Carbon Fuels Timeline



Next Steps

- At the second Public Meeting we asked residents to submit their questions and concerns to StMarys_ALCF@golder.com By February 24, 2022
- All comments and questions have been received and will be integrated into the final ALCF Application Package
- This will be submitted to the MECP in March 2022

CLC New Applicants

- Brian Polley
- Kristene McCurdy
- Barb Reinwald
- Candace Palmer

Potential CLC Members Discussion

1. What attracted you to apply for the CLC?

Potential CLC Members Discussion

2. From your perspective, what will be your contribution to the CLC if you become a member?

Potential CLC Members Discussion

3. During the past 5 years the CLC has had guest speakers and plant specific presentations including the Perth District Health Unit, industry experts discussing operations and petcoke and Alternative Low Carbon Fuels at St Marys Cement, the Pond Bio-fuels project, and Weather Dispersion. What are some other topics that would be beneficial to have experts come in and discuss at upcoming CLC Meetings?

Potential CLC Members Discussion

4. The CLC is aware of residents who have expressed their concerns about St Marys Cement operations through various outlets including social media and the town newspaper, however when the plant or the CLC reaches out to these residents we have not been able to make contact. What are some suggestions to improve communication with residents?

Potential CLC Members Discussion

5. What are your concerns about the Community Liaison Committee and where do you see the future of the Community Liaison Committee?

Questions Brought in Advance

- None

The Painless Way to Spring Forward

Daylight Saving Time is March 13

Round Table & Closing Remarks

For any Questions or Concerns related to St Marys Cement Plant Operations please contact

Kara Terpstra – Environmental Manager
at 519-284-1020 x 235
or at

kara.terpstra@vcimentos.com



GO TO BED EARLIER

Move your bedtime up 15 minutes each night until Saturday.



LIGHTS OUT

Turn down lights and limit screen time an hour before bed.



LIMIT CAFFEINE & BOOZE

They prevent you from getting deep sleep.



SLEEP IN

But not too much – aim to get 7 or 8 hours of shuteye.



GO OUTSIDE

Sunshine cues the body to stop making the sleep hormone, melatonin.



POWER NAP

A short early-afternoon snooze will keep you refreshed.



GET ACTIVE

Exercise energizes you – just do it at least 3 hours before bedtime.