



**Votorantim Cimentos North America**  
**Community Liaison Committee**  
**December 3rd, 2021**



St Marys Cement



# Agenda

- ❖ **Welcome and Introductions**
- ❖ **Review of September 10th, 2021 Meeting Minutes**
- ❖ **Alternative Low Carbon Fuels Meeting Nov 18<sup>th</sup>, 2021**
- ❖ **Alternative Low Carbon Fuels - Bowmanville**
- ❖ **Complaints 2021 Year to Date**
- ❖ **Dust Complaints Procedure Update**
- ❖ **SMC Dust Complaints**
- ❖ **SMC Odour Complaints**
- ❖ **Questions Brought Forward in Advance of Today's Meeting**
- ❖ **Round Table**
- ❖ **Closing Remarks**

# Welcome and Introductions



## Community Liaison Committee

The next Community Liaison Committee is going to be held **December 3rd at 10am**. Due to the COVID-19 Pandemic this meeting will be held virtually. Members of the public who wish to observe 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 Event Calendar for the link to the online meeting.

Please submit any questions and concerns in advance of the meeting to [kara.terpstra@vcimentos.com](mailto: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 September 10<sup>th</sup> Meeting Minutes

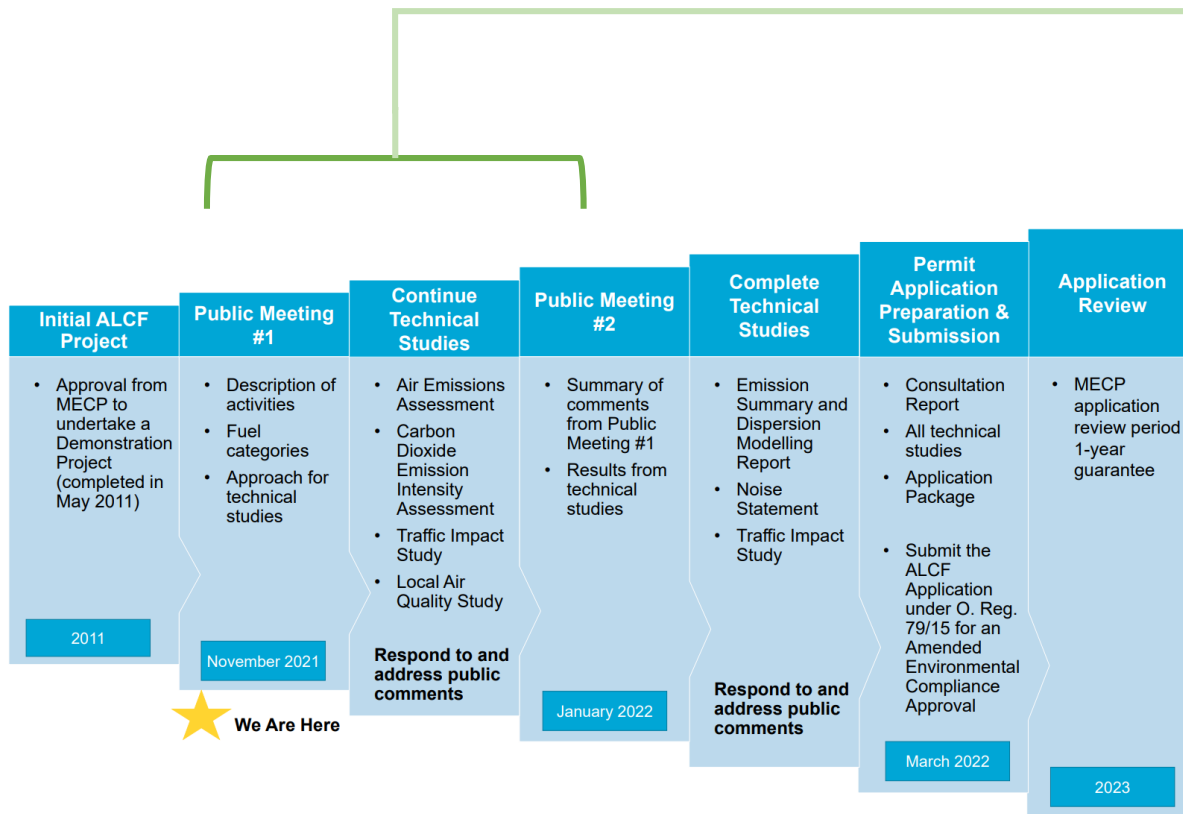


# Alternative Low Carbon Fuels Public Meeting



- 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 November 18<sup>th</sup> SMC held the first 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 October 27<sup>th</sup> – November 18<sup>th</sup>
  - The MECP permitting branch required the meeting to be held in person as per O. Reg. 79/15
  - Information presented can be found on the St Marys Cement website on November 19<sup>th</sup>:
    - <http://www.stmaryscement.com/Pages/Sustainability/St-Marys-Alternative-Low-Carbon-Fuels.aspx>
- 26 Presentation boards were placed around the room falling under the following categories;
  - SMC Plant Overview
  - ALCF Overview
  - ALCF at SMC
  - Sustainability and Climate Change
  - ALCFs & Environment
- Various consultants and SMC Personnel were available to discuss community questions and concerns with attendees

# Alternative Low Carbon Fuels Timeline



## Next Steps

- At the first Public Meeting we asked residents to submit their questions and concerns to [StMarys\\_ALCF@golder.com](mailto:StMarys_ALCF@golder.com) by **December 17<sup>th</sup>, 2021**

### How can you participate in this project?

- Talk to our team members today or fill out a comment form and we will respond
  - We would appreciate if you send your comment forms to us by **December 17, 2021**
- Visit our website: [www.stmaryscement.com/Sustainability/St-Marys-Alternative-Low-Carbon-Fuels](http://www.stmaryscement.com/Sustainability/St-Marys-Alternative-Low-Carbon-Fuels)
  - All notices and presentation materials will be posted on the Project website
- Contact us by Phone or Email: [StMarys\\_ALCF@golder.com](mailto:StMarys_ALCF@golder.com)

**Ruben Plaza**  
**VCNA, St. Marys Cement**  
 Environmental Manager,  
 Canada  
 Phone: 905-243-5841



**Kyla Suchovs**  
**Golder Associates Ltd.**  
 Environmental Assessment Specialist  
 Phone: 416-524-1876



- The Project Team will initiate Technical Studies to address all questions and concerns brought forward so that they can be answered at the next public meeting to be held in January/February 2022.
- The following 2 slides are a rough summary of the questions discussed with residents at the open house. The information requested and results of studies related to these questions will be presented at the January/February 2022 public meeting.

# Summary of ALCF Public Meeting Discussions - CLC Questions

Current SMC Operations	<ul style="list-style-type: none"> <li>- Will this project improve the odour situation in town?</li> <li>- What is the source of odour at the plant currently?</li> <li>- What are the health impacts of the cement plant in general, not specific to ALCF ?</li> <li>- What is the current noise/vibration levels coming from the plant?</li> <li>- What type of current emission control do you have – such as baghouses and/or a bypass precipitator?</li> </ul>
Current Emissions	<ul style="list-style-type: none"> <li>- What are the current emissions from the plant?</li> <li>- Will trace metal emissions increase or decrease with the use of ALCF (Hg, Se)?</li> <li>- Did the flow rate decrease after the stack extension?</li> <li>- What is current results of SMC stack testing / ambient monitoring data and will it be presented?</li> <li>- What emissions monitoring are being done in town by the MECP?</li> <li>- What are the Enviro-Suite Monitors in town and what are they doing?</li> <li>- What stack testing has been done and will be done – what reports are currently available?</li> <li>- Are we testing for ‘everything’ in the air – what are we testing for?</li> </ul>
Comments	<ul style="list-style-type: none"> <li>- Great initiative for reducing GHG emissions overall.</li> <li>- Why didn't we do this sooner?</li> <li>- Does the plant do any thermal generation/recovery from the kiln?</li> <li>- Why was BOW first with ALCF?</li> </ul>

# Summary of ALCF Public Meeting Discussions – ALCF

ALCF – Permitting	<ul style="list-style-type: none"> <li>- Details about the actual permit – is this going ahead anyway, regardless of the Public Meetings?</li> </ul>
ALCF -Fuels	<ul style="list-style-type: none"> <li>- What are the types of ALCFs being considered at the St. Marys plant (FAQ)?</li> <li>- What is the procedure for ALCF acceptance? How frequently do you run test? What happens if the load does not pass the test?</li> <li>- What is the exact source of the ALCF?</li> <li>- What is the plan for using hydrogen as a fuel? How does it work?</li> </ul>
ALCF -Process	<ul style="list-style-type: none"> <li>- How big (area) is the ALCF building going to be? Where is it going to be located?</li> <li>- Are the ALCF trucks going through downtown (FAQ)?</li> <li>- What is the ratio of ALCF to conventional fuels starting and future?</li> <li>- Financial impact of ALCF for both operations and Carbon Tax?</li> </ul>
ALCF - Emissions	<ul style="list-style-type: none"> <li>- BOW ALCF stack testing data / ambient monitoring data compared to baseline and will it be presented?</li> <li>- Will there be any ambient air testing done as part of the ALCF project?</li> <li>- Is burning plastic going to be bad for our health (FAQ)?</li> <li>- Is burning of ALCF going to increase emissions of dioxanes and furans into the atmosphere?</li> <li>- Has more testing been done after the 2011 demonstration (FAQ)?</li> <li>- Impacts of ALCF to emissions and odour</li> </ul>
Comments	<ul style="list-style-type: none"> <li>- Great initiative for reducing GHG emissions overall</li> <li>- Why didn't we do this sooner?</li> <li>- Thermal generation/recovery from the kiln</li> <li>- Why BOW was first with ALCF</li> </ul>

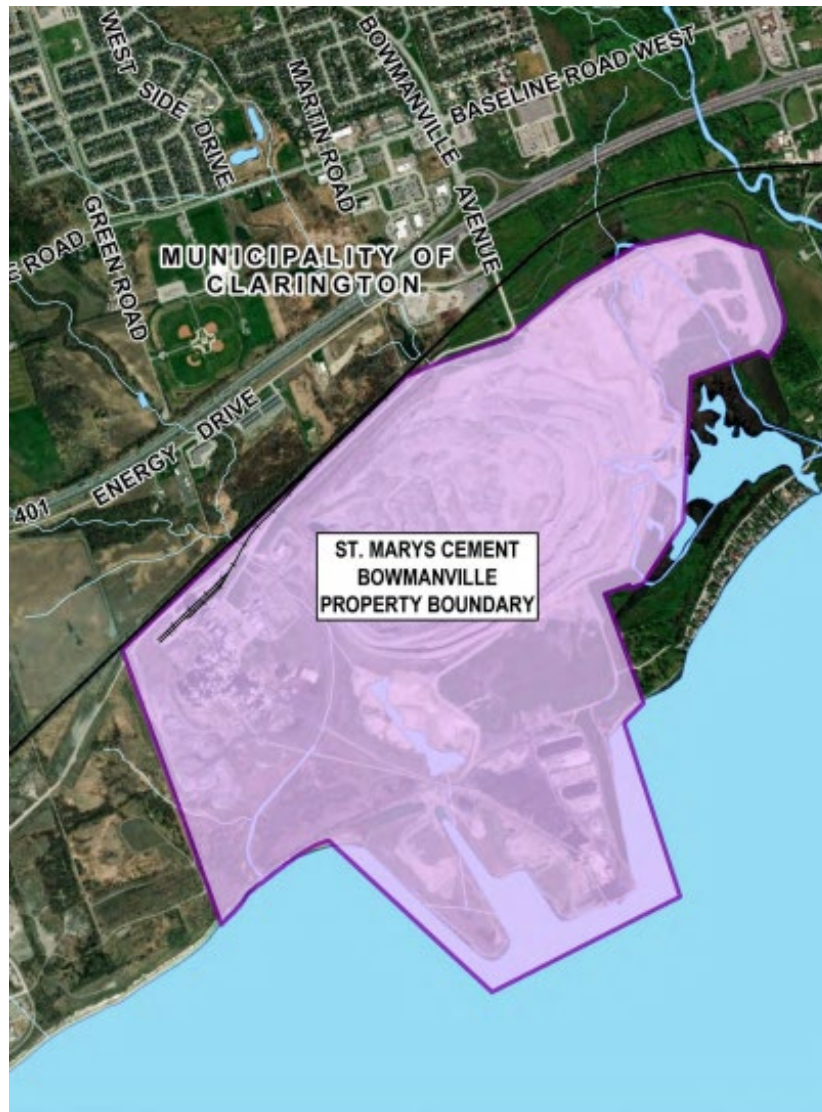
## Questions sent to the ALCF Project Team

- Email from Resident; November 29<sup>th</sup>
  - Hi.

Will there be a decrease in the tonnes per day of burn than current daily burn? Is there any possibility to do more burning during nighttime and less during daytime hours? As a person with respiratory disease and a love for the outdoors, I find the current fumes quite noxious. Just want to make sure this change will be a definite improvement.
- Email from the Chippewas of the Thames First Nations
- Email from the Aamjiwnaang First Nations
- Email from 2 residents asking to be on the email list
- Email from a resident about how to find information from the meeting and how to attend the CLC.



# Alternative Low Carbon Fuels: Bowmanville



# Complaints 2021 Year to Date

Complaints 2021 Year to Date

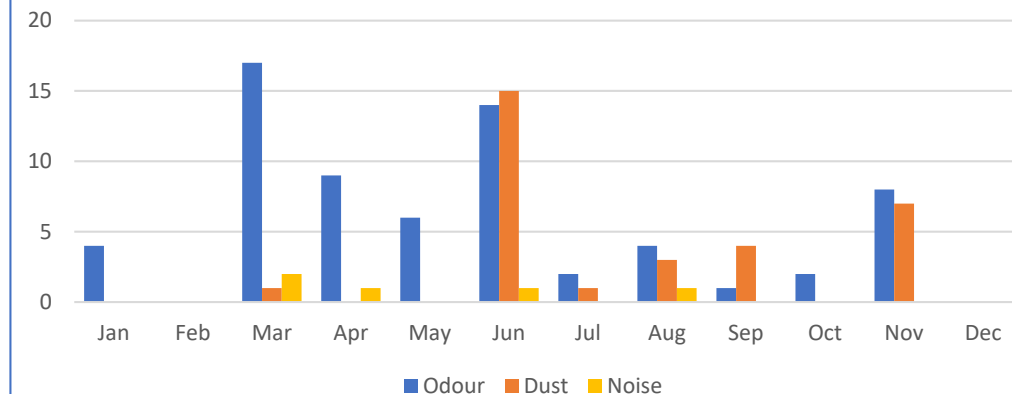
	Odour*	Mention Health**	Dust***	Noise
<b>Total</b>				
January	4	3	0	0
February	0	0	0	0
March	17	16	1	2
April	9	9	0	1
May	6	4	0	0
June	14	11	15	1
July	2	2	1	0
August	4	3	3	1
September	1	1	4	0
October	2	2	0	0
November	9	8	7	0
December				

\* Odour complaints reviewed on the next slides

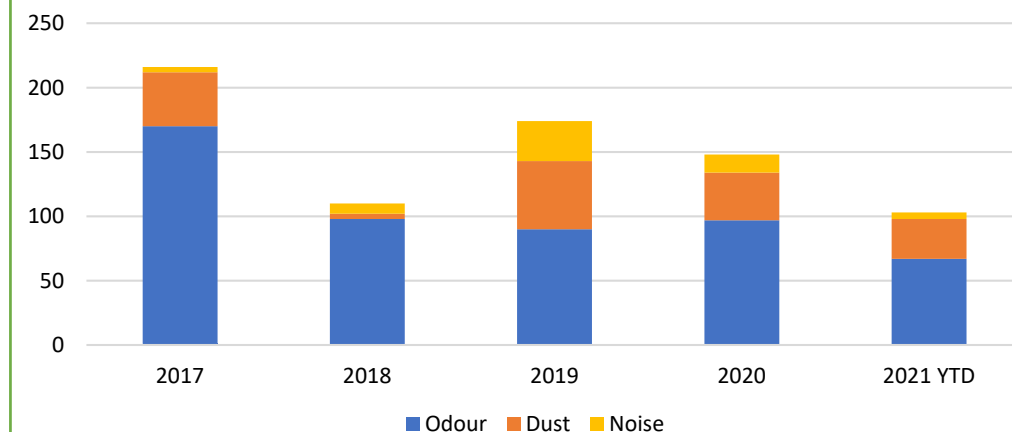
\*\* Dust Complaints reviewed on next slides

\*\*\* 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





# Dust Complaints Process Update

St Marys Cement has developed a procedure where the facility work with residents to address community dust concerns

- The process of taking the sample and analyzing it in house has not changed
- In the instance where a dust sample indicates it could have originated from SMC, SMC will now be advising residents to reach out to the advised detailer within 1 week of approval.
- SMC will be advising the detailers to complete the job within 30 days of the approval.



# Dust Complaints

Date	Number of Complaints	Results
September 7	2	Was not SMC due to high magnesium
September 11	2	1 Resident agreed we could not get a sample due to rain; other resident did not call back.
November 8	5	Indicated Cementitious materials
November 9	1	Silica, Alumina and iron are too high while calcium is too to indicate cementitious material
November 12	1	Iron and Alumina values are too low, and Magnesium and Sulphur values are too high to indicate cementitious materials

# Odour Complaints June 2021 to Present

Date	Enviro-Suite Results
Wednesday, September 8, 2021 - All Day	Possibly originated from SMC
Friday, October 1, 2021 – 11:00am	Possibly originated from SMC
Saturday, October 2, 2021 – 1:00pm	Not SMC
Saturday, November 6, 2021 – 11:53am	Likely originated from SMC
Saturday, November 6, 2021 – 2:51pm	Possibly originated from SMC
Monday, November 8, 2021 – 9:00am	Not SMC
Monday, November 8, 2021 – 10:45am	Likely originated from SMC
Thursday, November 11, 2021 – 10-11am	Not SMC – Plant not Running
Friday, November 12, 2021 – 8-11am	Likely originated from SMC
Friday, November 12, 2021 – 1:00pm	Likely originated from SMC
Wednesday, November 17, 2021 - 1:15pm	Likely originated from SMC
Monday, November 29, 2021 – 1-1:45pm	Possibly originated from SMC


Type	Count
Likely originated from SMC	5
Possibly originated from SMC	4
Not SMC	3
Location not provided	x



## Questions Brought in Advance



- None


### What can you do to make the holidays safer?



Holidays are important, but your health and that of your loved ones, especially those that are more vulnerable, should come first during this period.






Avoid unnecessary travel and if you have COVID-19-like symptoms – stay at home, do not participate in social gatherings and contact medical services.







**Consider spending the festive season with as few people as possible.**  
Build a small holiday ‘social bubble’ – a network of people you meet that follow the same precautions as you do. Avoid gatherings with people outside of your household or bubble.

When spending the festive season in your social bubble, don’t forget about physical distancing, face masks, hand and respiratory hygiene. Reduce time spent indoors and ventilate common spaces.






If you need to visit or gather with people outside of your household or bubble, take extra precautions: self-isolate in advance to minimise the risk of infecting others, especially those who are more vulnerable.





If you are unsure whether gathering during holidays is safe or not, stay home and connect to your loved ones online.


Let’s fight COVID-19 together!

**Be smart  
Stay safe  
Care about others!**





# Round Table & Closing Remarks



**Kara Terpstra – Environmental Manager**  
at 519-284-1020 x 235  
or at  
[kara.terpstra@vcimentos.com](mailto:kara.terpstra@vcimentos.com)

15