



Votorantim Cimentos North America

# St Marys Cement

Community Liaison Committee

December 11<sup>th</sup>, 2020

 **Votorantim**  
Cimentos

 **St Marys Cement**



# Agenda

- ❖ **Welcome and Introductions**
- ❖ **Review of September 11<sup>th</sup> Meeting Minutes**
- ❖ **Complaints 2020 Year to Date**
- ❖ **BCX Presentation; St Marys Cement Emissions Reporting and Compliance Requirements**
- ❖ **Votorantim Cimentos, St Mars Cement 2030 Sustainability Goals**
- ❖ **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 11th, 2020 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 Event Calendar for the link to the online meeting.

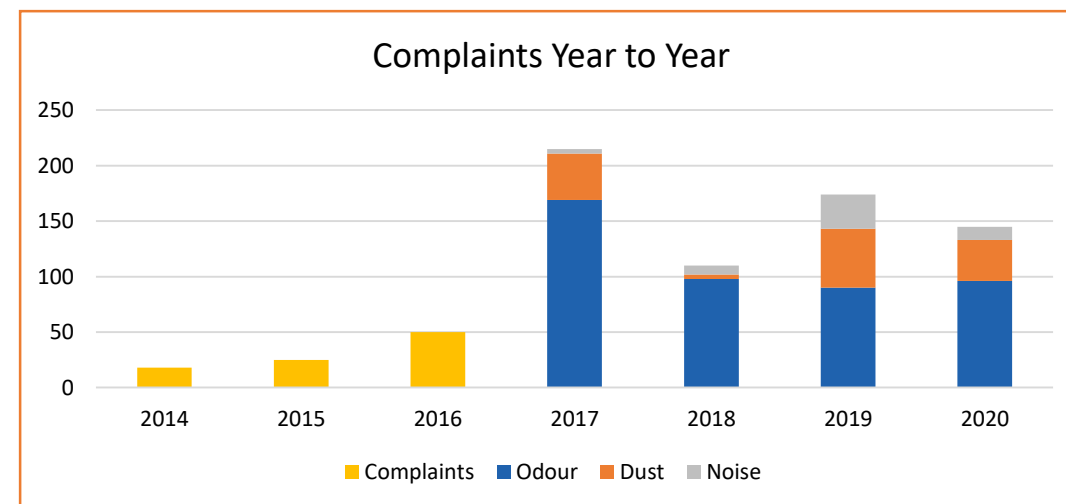
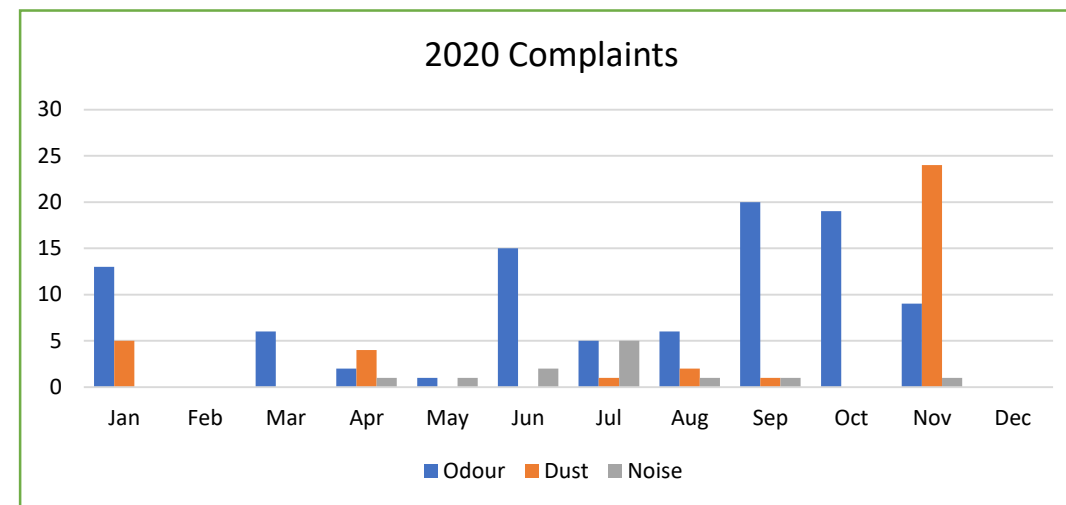
Please submit any questions and concerns in advance of the meeting to [kara.terpstra@vcimentos.com](mailto:kara.terpstra@vcimentos.com).

- ❖ Thank you to the Town of St Marys for allowing us to use their software
- ❖ Round Table Introductions
- ❖ Did anyone have any comments/concerns about the September 11<sup>th</sup> Meeting

# Complaints 2020 Year to Date

Complaints 2020 Year to Date

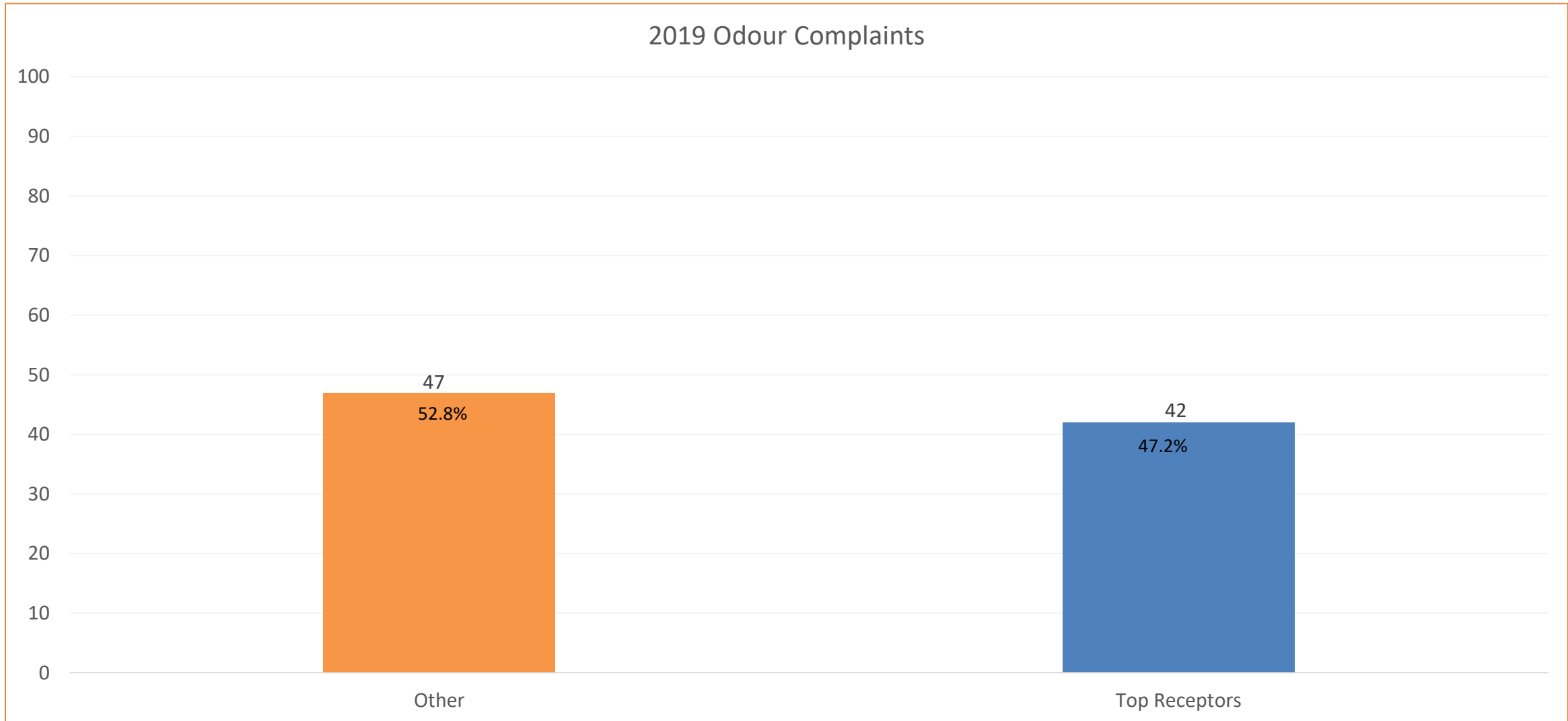
	Odour	Dust	Noise	Mention Health
<b>Total</b>	<b>96</b>	<b>37</b>	<b>12</b>	<b>76</b>
January	13	5	0	10
February	0	0	0	0
March	6	0	0	5
April	2	4	1	2
May	1	0	0	1
June	15	0	2	12
July	5	1	5	4
August	6	2	1	4
September	20	1	1	17
October	19	0	0	13
November	9	24	1	7
December				



\*Reminder – 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.

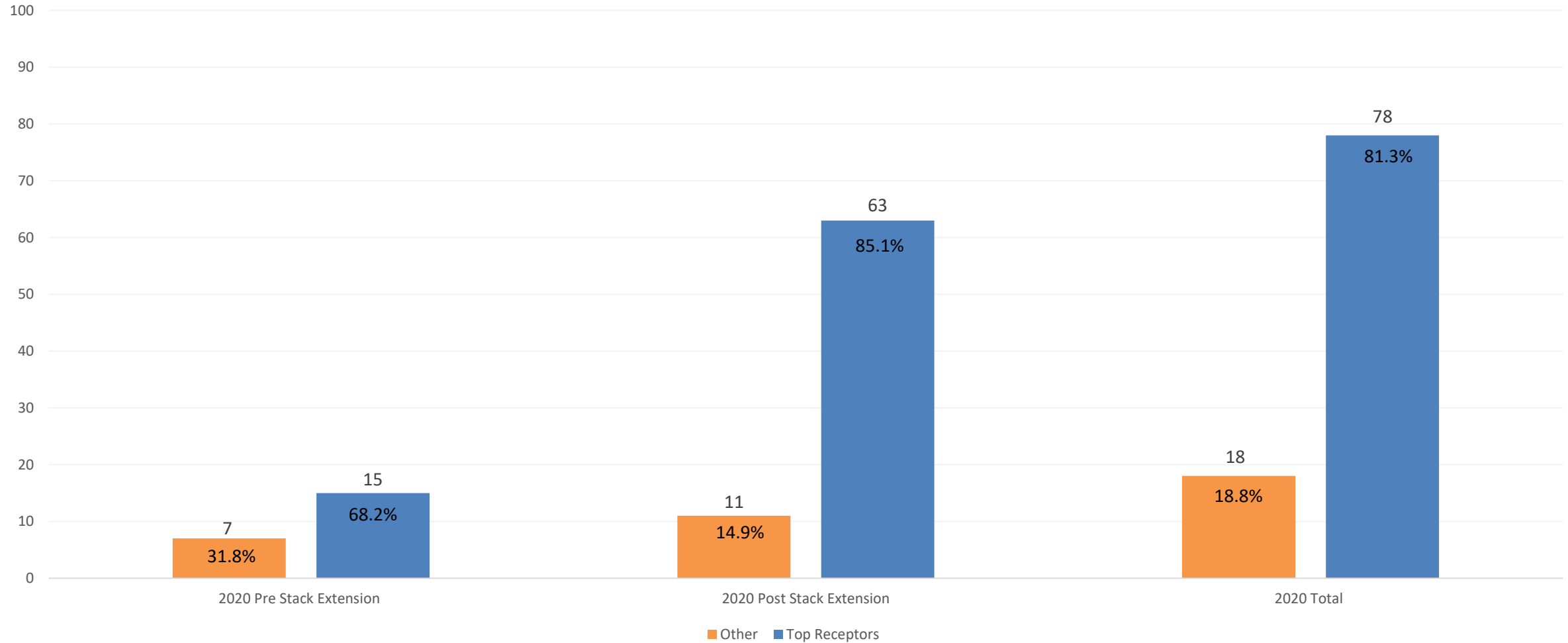
# 2019 Odour Complaints

2019 Odour Complaints



# 2020 Odour Complaints

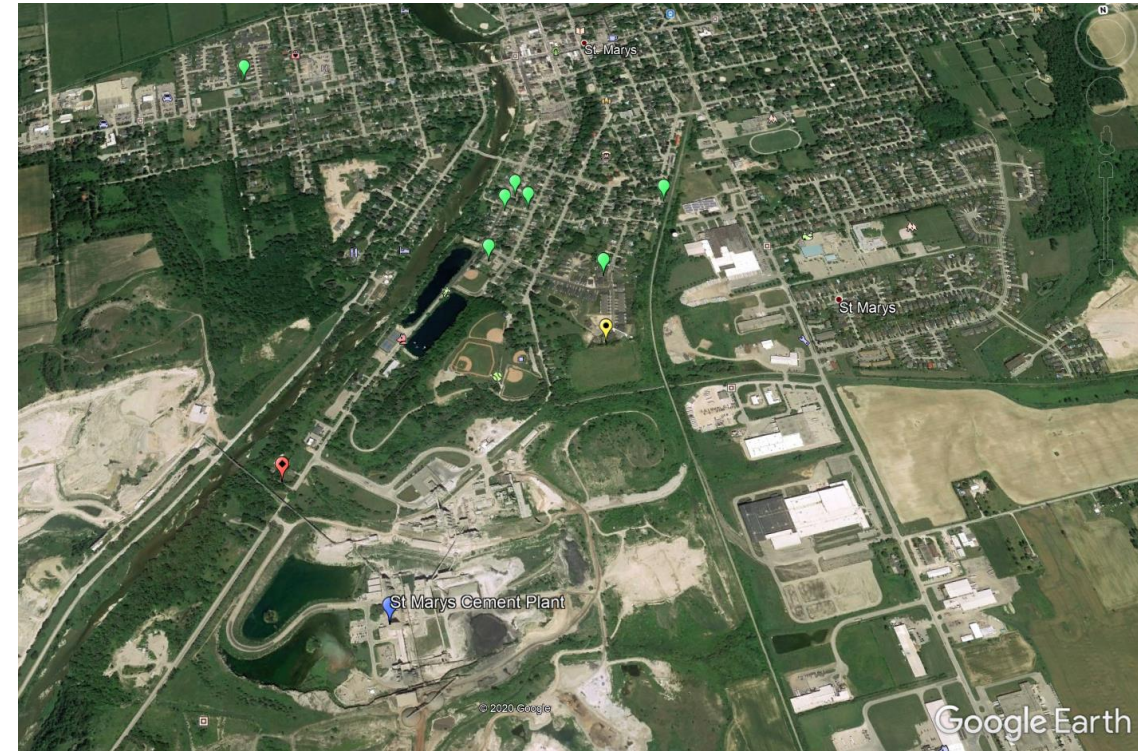
2020 Odour Complaints





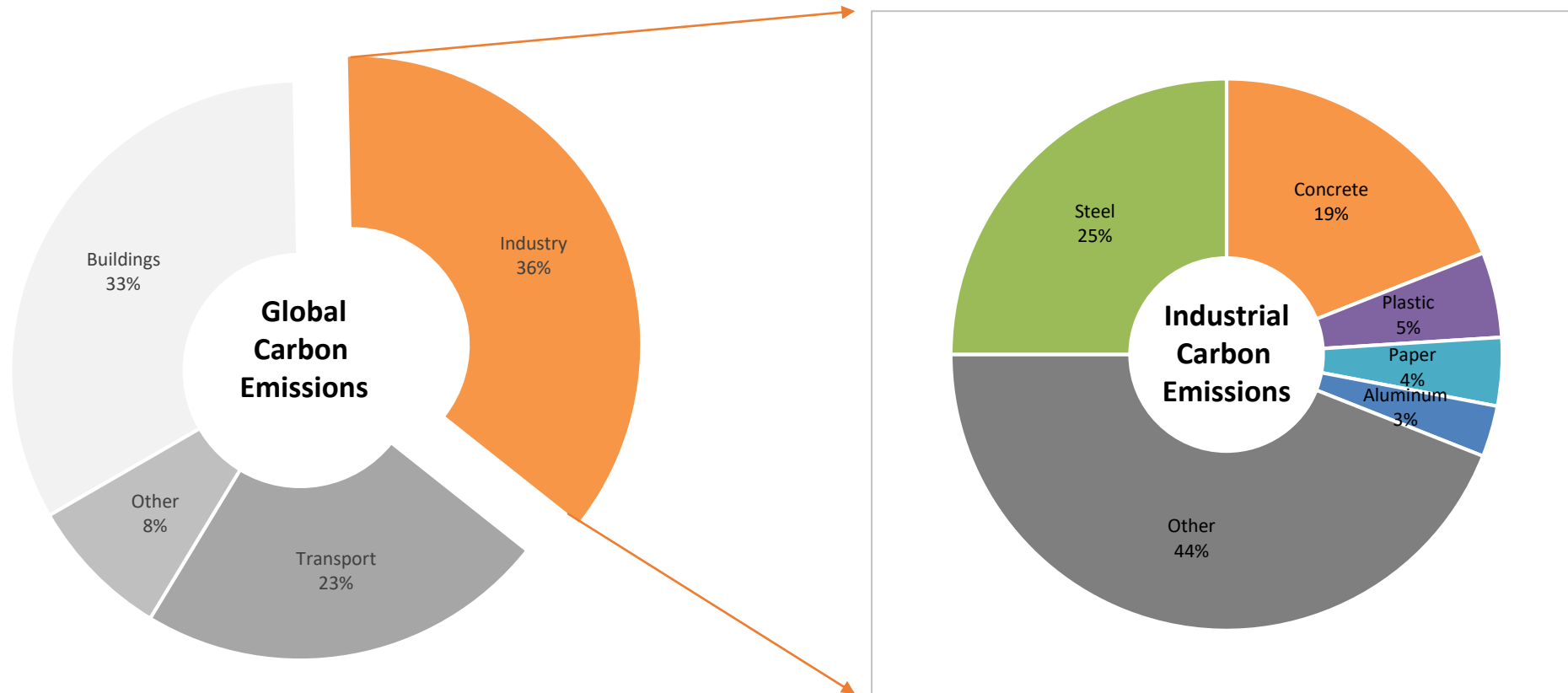
# Dust Complaints

- November 5<sup>th</sup> to 13<sup>th</sup> 2020
- Analysis of samples taken presented as cementitious materials
- SMC detailed vehicles which were indicative of SMC materials or products
- SMC identified the source as the finish mill baghouse which was due for replacement
- Replacement of these bags was completed on November 14<sup>th</sup> 2020



# CO2 Emissions in the Cement Industry

- <https://www.youtube.com/watch?v=GSc9hu9170U>
- The Global Cement and Concrete Association says current global cement production is 4.1 Billion tonnes per **year** and is estimated to increase by 12-23% by 2050
- The Cement and Concrete industry accounts for **7%** of the worldwide CO2 emissions







# VCNA 2030 Sustainability Targets



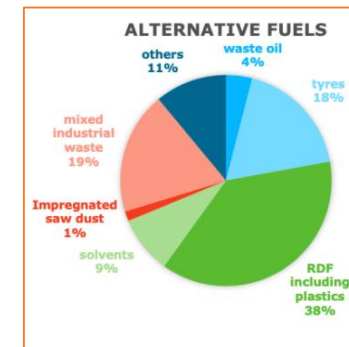
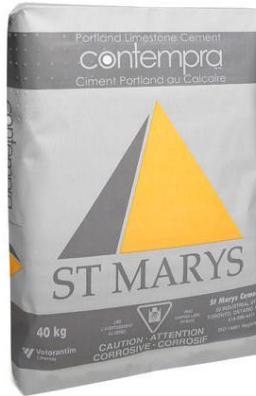
# Sustainability at the St. Marys Plant

- St Marys Cement Plant is actively implementing various programs for reducing overall environmental impact and CO2 Emissions
  - SMC Produces 7 different types of cement with limestone substitution from 3%-44%
    - This means our overall CO2 emissions are decreased by 12,000 tonnes per year
  - SMCs Sales and Sustainability team is focusing on promoting sales of a sustainable product called General Use Limestone Cement (sales name Contempra) which decreases overall CO2 emissions by 10% per tonne sold
    - In 2011 the Quality Control Department at St Marys Plant was pivotal on a project with the Ministry of Transportation Ontario and the Portland Cement Association that proved General Use Limestone Cement with limestone substitution up to 11% had similar strengths and set times as standard General Use Cement
    - In 2020 ongoing research at the St Marys Plant is indicating that this limestone addition can be increased to up to 15% to further decrease CO2 emissions

## Contempra Type GUL Portland Limestone Cement

What if there was an innovative cement that could reduce CO<sub>2</sub> emissions by 900,000 tonnes – every year?

Cement and concrete are essential ingredients in building our communities and infrastructure. Engineered for a better tomorrow, Contempra is a contemporary cement that decreases CO<sub>2</sub> emissions by 10% while still producing concrete of comparable strength and durability to that produced with regular Portland cement.



- Worldwide the Global Cement and Concrete Association reports an 19.2% CO2 reduction per tonne of cementitious over the past 30 years as a result of alternative fuels
  - <https://gccassociation.org/concrete-and-sustainability/>
  - In 2016 the Portland Cement Association's Annual Summary Report showed that 80% of US Cement Plants use Alternative fuels as a primary or secondary fuel source
    - Oil, waste solvents, waste tires, plastics, wood waste, biomass, etc).
  - St Marys Cement is actively working on the various aspects required for the alternative low carbon fuels (ALCF) permit. We are working on evaluating different alternatives and designs to feed the alternative low carbon fuels into the process. Once SMC has finished this, we will start the process with the MECP to apply for a permit. We have presented our interest in the CLC to use ALCF. We expect that by the end of this year or early next year we will have the information required to submit an application for the permit to the MECP.



# Questions Brought Forward in Advance



# 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)



St Marys Cement donated masks to the St Marys Memorial Hospital

# Wear a face covering when physical distancing is a challenge

## Do:



Wear a non-medical face covering like a cloth mask



Wash your hands before putting it on and immediately after taking it off



Make sure it fits well and covers your nose and mouth



Change the face covering when it gets slightly wet or dirty



Wash your cloth mask in hot water with detergent after each use



Dispose of single-use face coverings into a lined garbage bin and wash your hands

