



 **Votorantim**
Cimentos
Life is made to last

 **St Marys Cement**

Community Liaison Committee Meeting

Date: September 7th, 2018

Location: St Marys Town Hall

- **Welcome and Introductions**
- **Review of June 1st Minutes**
- **Community Complaints**
 - **Odour**
 - **Noise**
 - **Dust**
 - **Health**
- **Concerns brought forward**
 - **Letter to the Editor**
 - **Benzene request to MOECC**
 - **Others?**
- **Odour Abatement Plan Status**
- **Website**
- **Open House**
- **Round Table**
- **Closing Remarks**



Welcome and Introductions



Review of June 1st Minutes

Complaints



St Marys Cement



Month	Odour	Noise	Dust	Health (SMC)
January	0	0	0	0
February	9	1	1	0
March	9	1	1	1
April	3	0	0	0
May	10	2	2	2
June	6	1	1	3
July	8	0	0	2
August	23	2	0	8
September				
October				
November				
December				



Concerns Brought Forward Since Last CLC Meeting on June 1st

Letters to the Editor

In response to the May 31, 2018 Letter to the Editor from Jose Soraggi, Operations Manager, St Marys Cement:

If St. Marys Cement (SMC) "is committed to being a good neighbour, while continuing to contribute to the community", then why would SMC not limit production when wind direction is carrying emissions toward town? Why does a complaint to the MOE no longer result in fresh air within the hour as it did just a few short years ago?

If SMC say they are committed to being a good neighbour, why do they choose to use petcoke for fuel, which has been commonly referred to as "the dirtiest fuel on the planet" and is banned in multiple places around the world.

Anyone who has done even some light research into petcoke would agree the Cement Plant would be a better neighbour if they chose to burn an alternative, healthier fuel source, such as natural gas or waste wood—which would not only reduce unnecessary waste from our landfills, but also create more jobs for our economy.

We would like to point out that the health statistics do not account for families who have moved away from the area because of health concerns, or take into account those who are suffering intermittent health

issues silently, without medical observance. These factors make the stats inconclusive, either way.

Yes, SMC continues to contribute to the community with donations of land and money, taxes, etc. We acknowledge the Plant employs 125 people (although not all are local), and while certainly not one job or person goes unrecognized, SMC is by no means the largest employer in St Marys. Other factories in our town employ between 140 - 600 people.

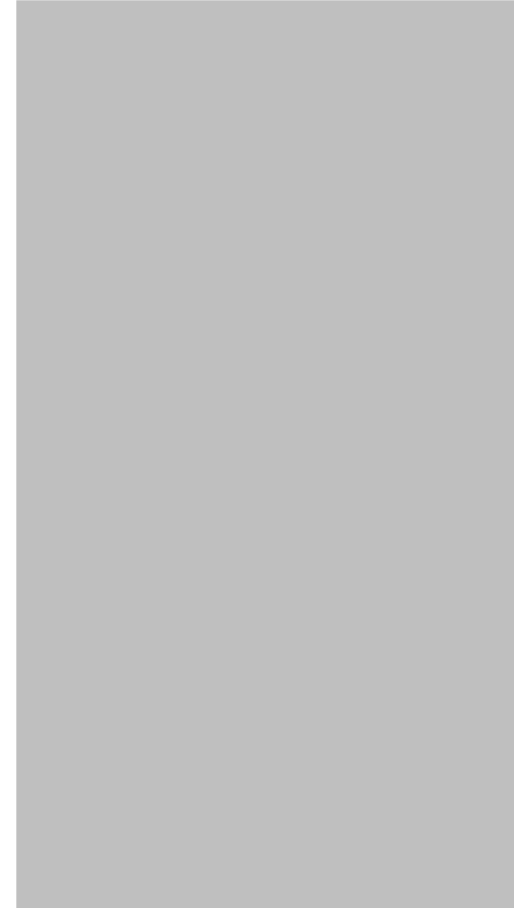
But let's also speak about what SMC contributes to our air according to the Government of Canada Facility & Substance Information: 11 tonnes of Benzene, 537 tonnes Sulphur Dioxide, 32 tonnes Carbon Monoxide, 33 kg Mercury, 1.8 tonnes Styrene, 145 tonnes particulate matter, etc. and the noxious fumes & dust that steal outdoor enjoyment from the town's residents. Votorantim Cimentos, the Brazilian company who now owns St. Marys Cement, may be able to ride the coat-tails of the legacy which was built in the past by a local family, but it cannot hide from the facts and the ever growing number of people who are aware of its negative contributions.

All it would take is an investment to switch to a cleaner fuel, raise the stacks, and do what it takes to become a leader in your operating standards.

THAT would be a good neighbour and PROVE

SMC's commitment. Our town is worth the investment.

St Marys For Clean Air (S.M.F.C.A)



Letters to the Editor

In response to the May 31, 2018 Letter to the Editor from Jose Soraggi, Operations Manager, St Marys Cement:

If St. Marys Cement (SMC) "is committed to being a good neighbour, while continuing to contribute to the community", then why would SMC not limit production when wind direction is carrying emissions toward town? Why does a complaint to the MOE no longer result in fresh air within the hour as it did just a few short years ago?

If SMC say they are committed to being a good neighbour, why do they choose to use petcoke for fuel, which has been commonly referred to as "the dirtiest fuel on the planet" and is banned in multiple places around the world.

Anyone who has done even some light research into petcoke would agree the Cement Plant would be a better neighbour if they chose to burn an alternative, healthier fuel source, such as natural gas or waste wood—which would not only reduce unnecessary waste from our landfills, but also create more jobs for our economy.

We would like to point out that the health statistics do not account for families who have moved away from the area because of health concerns, or take into account those who are suffering intermittent health

issues silently, without medical observance. These factors make the stats inconclusive, either way.

Yes, SMC continues to contribute to the community with donations of land and money, taxes, etc. We acknowledge the Plant employs 125 people (although not all are local), and while certainly not one job or person goes unrecognized, SMC is by no means the largest employer in St Marys. Other factories in our town employ between 140 - 600 people.

But let's also speak about what SMC contributes to our air according to the Government of Canada Facility & Substance Information: 11 tonnes of Benzene, 537 tonnes Sulphur Dioxide, 32 tonnes Carbon Monoxide, 33 kg Mercury, 1.8 tonnes Styrene, 145 tonnes particulate matter, etc. and the noxious fumes & dust that steal outdoor enjoyment from the town's residents. Votorantim Cimentos, the Brazilian company who now owns St. Marys Cement, may be able to ride the coat-tails of the legacy which was built in the past by a local family, but it cannot hide from the facts and the ever growing number of people who are aware of its negative contributions.

All it would take is an investment to switch to a cleaner fuel, raise the stacks, and do what it takes to become a leader in your operating standards.

THAT would be a good neighbour and PROVE

SMC's commitment. Our town is worth the investment.

St Marys For Clean Air (S.M.F.C.A)

- SMCs Commitment to the Community & Being a Good Neighbour
- Production and Plant Operations
- Fuels (Petcoke & Alternative Fuels)
- Health Concerns
- Air Emissions

- ***“If St Marys Cement (SMC) is committed to being a good neighbour while continuing to contribute to the community...”***
- ***“If SMC say they are committed to being a good neighbour...”***
- ***“The Cement Plant would be a better neighbour if...”***
 - The letter acknowledges SMC’s contributions and donations to the community.
 - St Marys Cement has demonstrated numerous times over the last 106 years our commitment to the Town of St Marys
 - Regarding this letter and the commitment that S.M.F.C.A. wants regarding *Air Emissions*; we have our Odour Abatement Plan, Noise Abatement Plan, Community Liaison Committee, and ongoing community outreach and engagement programs that we are working constantly on. We understand that these plans take time, which can be frustrating for residents, but we’ve shown and discussed how complex these issues truly are and are continuing to work towards improvement.

- ***“...why do they choose to use petcoke for fuel, which has been commonly referred to as ‘the dirtiest fuel on the planet’ and is banned in multiple places around the world.”***
 - As discussed in the June 1st meeting, petcoke is attractive to the cement manufacturing process for several reasons including heat value, high burning temperature, chemical composition, emission reducing capabilities, and economic viability.
 - In the cement process the hot gases flow counter to the flow of the cement and emissions such as sulphur dioxide are trapped in the cement, meaning petcoke in cement production is a clean way to use petcoke.
 - Petcoke was banned in India in 2017 – in 2018 the Supreme Court that the “...import of petcoke in the country be regulated and permitted for clean purposes” such as the cement industry. Cement is considered a ‘clean’ use of petcoke because the counter-flow of material to emission gases removes pollutants from the gas stream.
 - <https://timesofindia.indiatimes.com/india/report-paves-way-for-ban-on-pet-coke-import/articleshow/65170966.cms>

- ***“If they chose to burn an alternative, healthier fuel source, such as natural gas or waste wood – which would not only reduce unnecessary waste from our landfills, but also create more jobs for our economy.”***
 - We do currently use natural gas as part of the kiln fuel.
 - Switching to wood is feasible but the logistics behind it are complex. There are several factors to consider including quantity of wood required, logistics of using wood in the process, etc.
 - The permitting process for using alternative fuels takes time and extensive due diligence.
 - We are currently looking into several options for low carbon fuel.

- ***“All it would take is an investment to switch to cleaner fuel...to be come a leader in your operating standards”***
 - There are other cement manufacturing facilities which currently use alternative fuels such as wood, used tires, plastics, natural gas, etc. but not at 100% fuel capacity – the remainder being petcoke.
 - For example, in the Midlothian Cement Plant in Texas they use 15% used tires and 8% Plastic waste as fuel, with the remainder of the fuel being petcoke.

- ***“... why would SMC not limit production when wind direction is carrying emissions towards town?”***
 - Cement manufacturing is a complex process with extensive controls- decreasing the production rate of a kiln made for a set production rate can actually increase the amount of air emissions coming out of the stack.
- ***“... Why does a complaint to the MOE no longer result in fresh air within the hour as it did just a few short years ago?”***
 - We are continuing our investigation to determine the source of the odour.
- ***“... raise the stacks and do what it takes to become a leader in your operating standards.”***
 - We are currently working on the air modelling for the effectiveness of changing our stack height.
 - Weather is one of the biggest factors in our stack dispersion – wind direction and speed, ground temperature vs. air temperature, changing barometric pressure, incoming storm fronts, etc.

Our Noise Reduction and Odour Abatement plans are in progress, and we are committed to being open and transparent with residents of St Marys as we move forward. We have policies in place to address problems with excess dust from the plant, and community members can raise any concerns they may have through the CLC or with the plant directly.

- ***“... what SMC contributes to our air according to the Government of Canada Facility & Substance Information...”***
 - The Ministry of Environment and Climate Change conducted further testing of air quality levels in St Marys in 2017 and 2018.
 - They also evaluated our air dispersion and emission factors for the plant to verify that they are within MOECC standards.
 - The findings confirmed the plant is operating in compliance towards air emissions regulations.
 - All of our emissions are closely monitored.
 - Emissions are spread out over the entire year.

- ***“... the health statistics do not account for families who have moved away from the area because of health concerns, or take into account those who are suffering intermittent health issues silently, without medical observance.”***
 - For questions regarding the health statistics provided by the Perth District Health Unit, their contact information is available on their website.
 - <http://www.pdhu.on.ca/>



Benzene Emissions from St. Marys Cement

Sent: Thu 31/05/2018 11:19 AM

To: ☐ Rob.Wrigley@ontario.ca

Cc: ☐ astrathdee@town.stmarys.on.ca; ☐ sharvey@golden.net; ☒ Kara Terpstra

Good morning:

According to the following link, the benzene annual average Ambient Air Quality Criteria (AAQC) is 0.45 ug/m3. <https://www.ontario.ca/page/ontarios-ambient-air-quality-criteria-sorted-contaminant-name>

Averaging the data from Table 2 of the TAGA Survey for benzene (link below), undetectable values are set to 0, resulting in a value of 0.75 ug/m3. <http://www.townofstmarys.com/en/living-here/resources/Documents/012618-Technical-Memo---St-Marys-Cement-TAGA-Survey-date-correction.pdf>

Since this value is above the AAQC criteria, why is benzene not being monitored by the stationary sampler that the MOECC put in place for a year? During the meeting last December you mentioned in your presentation that benzene was not being monitored even though there had been 6 instances of exceedances. Now that I have read the TAGA survey in detail, this is a question that needs answering.

Sincerely,



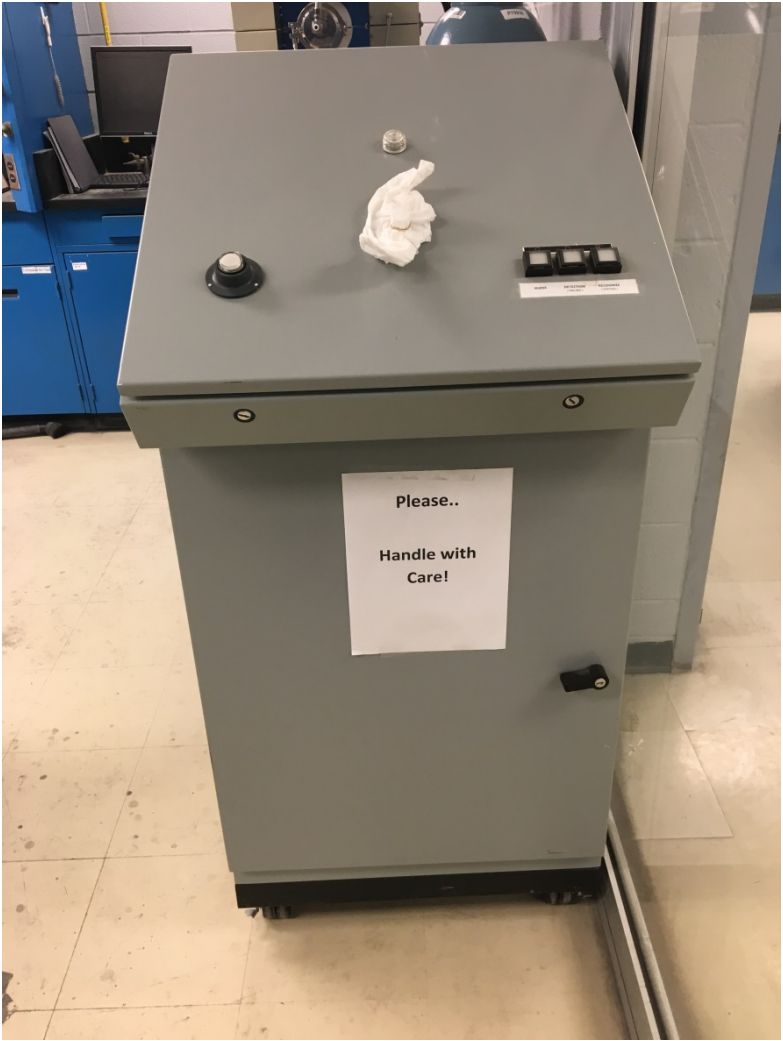


Other Concerns Brought Forward?



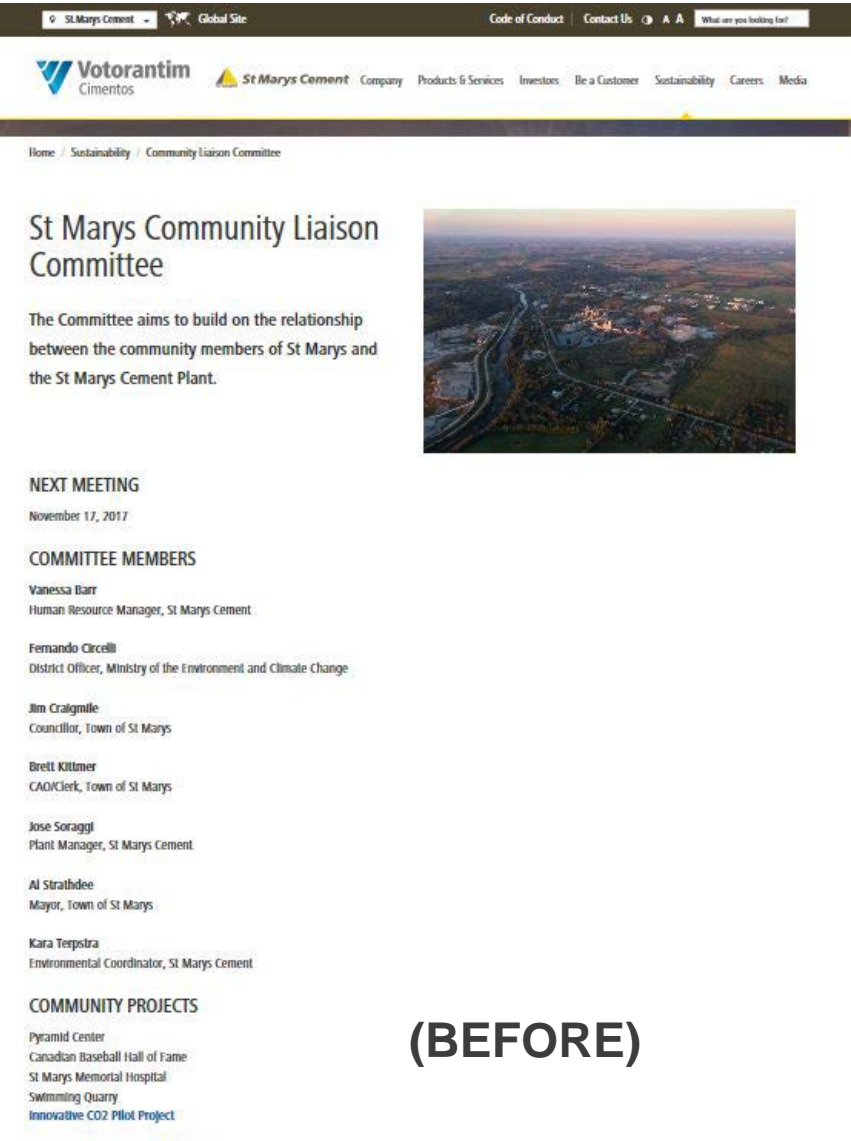
Odour Abatement Plan Status

Odour Abatement Plan Status



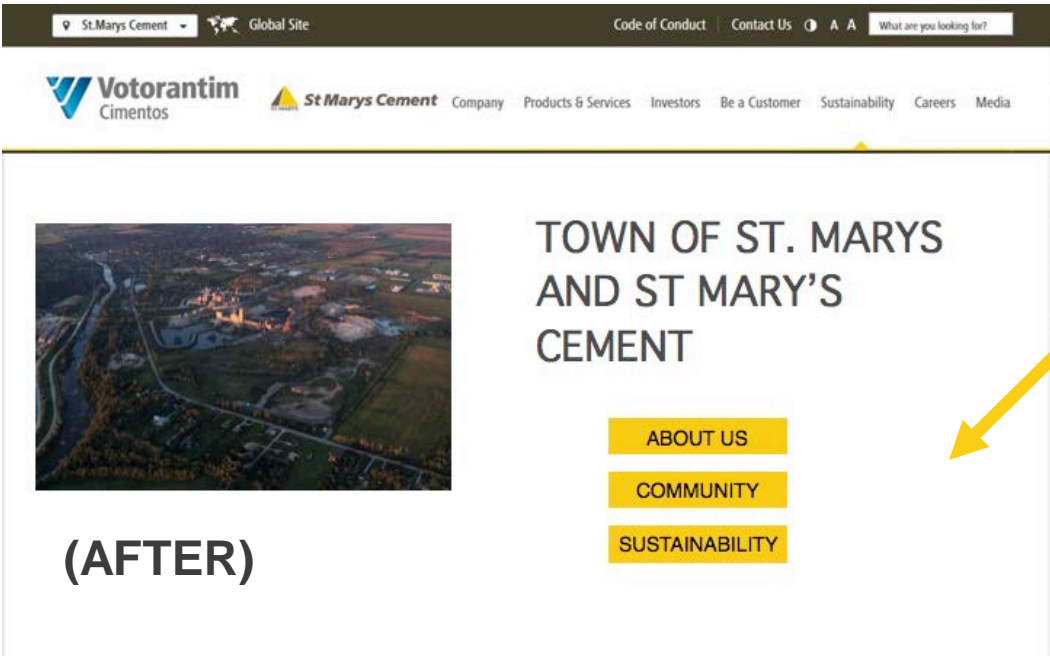


Website



(BEFORE)

Current webpage for the Community Liaison Committee will be adapted to better position the St Marys Plant in the community



(AFTER)

This new webpage will show the the history of St Marys Cement in the town, the work that's been done in the community, and the ongoing sustainability efforts being made. Will also include a contact section with FAQs that will better serve the community, and notices and updates from the CLC.

Website -

The new webpage will allow residents to access information on the following:

St Marys Cement contributions to the town and building projects across Ontario



St Marys Cement

Global Site

Code of Conduct

Contact Us

A A

What are you looking for?

Votorantim Cimentos

St Marys Cement

Company

Products & Services

Investors

Be a Customer

Sustainability

Careers

Media

PAST PROJECTS

- Pyramid Centre
- St Marys Memorial Hospital
- CN Tower
- Maple Leaf Gardens

RECENT PROJECTS

- Bridges
- Buildings
- Roads

PROJECTS

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

Timeline showing the history of St Marys Cement in the community



St Marys Cement

Global Site

Code of Conduct

Contact Us

A A

What are you looking for?

Votorantim Cimentos

St Marys Cement

Company

Products & Services

Investors

Be a Customer

Sustainability

Careers

Media

1840

mid 1840s

1857-60

1880-1904

1912

1950

1959

1994

2007

TIMELINE

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

Information on the relationship between St Marys Cement and the town, including community projects they have contributed to



St Marys Cement

Global Site

Code of Conduct

Contact Us

A A

What are you looking for?

Votorantim Cimentos

St Marys Cement

Company

Products & Services

Investors

Be a Customer

Sustainability

Careers

Media

COMMUNITY

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

Information about St Marys environmental and sustainability activities and updates about the air quality testing and plan, noise reduction and odour abatement plans



St Marys Cement

Global Site

Code of Conduct

Contact Us

A A

What are you looking for?

Votorantim Cimentos

St Marys Cement

Company

Products & Services

Investors

Be a Customer

Sustainability

Careers

Media

SUSTAINABILITY

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

AIR QUALITY & ODOUR ABATEMENT

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

NOISE REDUCTION

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

MINISTRY

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

ALGAE PROJECT

TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT
TEXT TEXT TEXT TEXT TEXT TEXT TEXT

CONTACT US

NAME:

EMAIL:

PHONE:

MESSAGE:

FAQs

QUESTION 1: TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT?
ANSWER: TEXT TEXT TEXT TEXT TEXT

QUESTION 2: TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT?
ANSWER: TEXT TEXT TEXT TEXT TEXT

QUESTION 3: TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT?
ANSWER: TEXT TEXT TEXT TEXT TEXT

QUESTION 4: TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT?
ANSWER: TEXT TEXT TEXT TEXT TEXT

QUESTION 5: TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT TEXT?

Contact information and an expansive FAQ section, with a news section that includes information about events at the plant, notices, and updates from the CLC.



St Marys Cement Open House



Round Table



Closing Remarks

Kara Terpstra – Environmental Coordinator
at 519-284-1020 x 235

or at

kara.terpstra@vcimentos.com