

## Alternative Low Carbon Fuels project

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(<http://www.stmaryscement.com/Pages/Alternative%20Low%20Carbon%20Fuels/Default.aspx>)

### Background

St. Marys Cement (SMC) a company of Votorantim Cimentos North America (VCNA) is undertaking efforts to use Alternative Low Carbon Fuels (ALCF) as an energy source for their Bowmanville Cement Plant (the Site). This initiative will help reduce greenhouse gas emissions in Ontario while diverting materials from landfills. The Site is located at 410 Bowmanville Avenue, in Bowmanville, Ontario, within the Municipality of Clarington.

### Demonstration Trial

St Marys Cement (SMC) has current Environmental Compliance Approvals (ECAs), Numbers 4614-826K9W and 1255-7QVJ2N, that were issued on November 5, 2014 and March 11, 2015, respectively, to undertake an Alternative Fuel Demonstration project. The purpose of the Demonstration Project was to demonstrate the use of alternative fuels at the facility and assess potential environmental effects associated with the use of alternative fuels at the facility relevant to baseline conditions. SMC completed the alternative fuel demonstration trials from September 25, 2018 to December 10, 2018.

## Alternative Low Carbon Fuel Study

In keeping with best practices being implemented around the world, SMC currently has an ECA to use woody materials as an ALCF at the site and has initiated a study to support the preparation of an ALCF Application under Ontario Regulation (O. Reg) 79/15 of the Environmental Protection Act to expand the current use of ALCFs at the Site. SMC is proposing to undertake studies and prepare an application to support the following:

- increase the daily throughput of ALCFs at the Site from 100 tonnes per day to 400 tonnes per day;
- add biomass, cellulosic and plastic materials derived from industrial and/or post-consumer sources, which cannot be recycled, are not considered hazardous and are not derived from animals or the processing and preparations of food, to the list of approved ALCFs at the Site based on the recent demonstration project at the site;
- install new equipment at the Site to feed ALCFs; and
- increase alternative fuels storage at the Site using enclosed containers and buildings

Two open houses will be held as part of the project to respond to questions from the community and present the environmental studies results.

## Reports and Dates

The demonstration trial and ALCF study results will be posted in the documents section of this website in the near future.

When confirmed, the Open House dates will be posted in the News section of this website, along with any new documents.

## Contact Us

St Marys Cement values your input on this matter. Please contact our Project Team for more information about this study or to be added to the contact list for future updates:

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Golder Associates Ltd.  
Project Manager, Environmental Assessment  
Specialist  
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Email: sarah\_schmied@golder.com

## News & Announcements

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### **Notice of Public Meeting #2 (/Pages/Alternative Low Carbon Fuels/News and Announcements/Notice-of-Public-Meeting-2.aspx)**

In support of this application, and in accordance with O. Reg 79/15, SMC has scheduled the second of two public meetings. Public Meeting #2 will be held on Tuesday December 17, 2019.

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### **Notice of Intention to Apply under Ontario Regulation 79/15 and Notice of Public Meeting #1 (/Pages/Alternative Low Carbon Fuels/News and Announcements/Notice-of-Intention-Ontario-Regulation.aspx)**

In support of this application, and in accordance with O. Reg 79/15 and SMC's current ECA approval, SMC has held the first of two public meetings. Public Meeting #1 was held on Thursday September 5, 2019. To view public meeting materials please refer to the Documents & Resources section of this website

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## Documents & Resources

Documents & Resources will be added as they become available

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### **Traffic Impact Study – AECOM – January 2020 (/Alternative Low Carbon Fuels Documents/SMC Bowmanville ALCF Application - Traffic Impact Study - AECOM Canada Ltd - January 2020.pdf)**

*SMC Bowmanville ALCF Application - Traffic Impact Study - AECOM Canada Ltd - January 2020.pdf*

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### **Noise Memorandum – HGC Engineering – November 2019 (/Alternative Low Carbon Fuels Documents/SMC Bowmanville ALCF Application - Noise Memo - HGC Engineering - November 2019.pdf)**

*SMC Bowmanville ALCF Application - Noise Memo - HGC Engineering - November 2019.pdf*

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### **Carbon Dioxide Emission Intensity Report – Golder Associates Ltd – January 2020 (/Alternative Low Carbon Fuels Documents/Carbon Dioxide Emission Intensity Report - Golder Associates Ltd - January 2020.pdf)**

*Carbon Dioxide Emission Intensity Report - Golder Associates Ltd - January 2020.pdf*

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## Documents & Resources will be added as they become available

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 **Air Quality and Cumulative Effects Assessment – BCX Report – February 2020 (/Alternative Low Carbon Fuels Documents/SMC Bowmanville ALCF Application - Air Quality and Cumulative Effects Assessment-February2020.pdf)**


*SMC Bowmanville ALCF Application - Air Quality and Cumulative Effects Assessment-February2020.pdf*

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 **Public Meeting #2 Presentation (/Alternative Low Carbon Fuels Documents/SMC-ALCF-Bomwanville-PublicMeeting2.pdf)**


*SMC-ALCF-Bomwanville-PublicMeeting2.pdf*

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 **Public Meeting #1 Presentation (/Alternative Low Carbon Fuels Documents/SMC-ALCF-Bowmanville-PublicMeeting1.pdf)**


*SMC-ALCF-Bowmanville-PublicMeeting1.pdf*

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 **Frequently Asked Questions (/Alternative Low Carbon Fuels Documents/SMC-ALCF-Bowmanville-FAQs-November2019.pdf)**

*SMC-ALCF-Bowmanville-FAQs-November2019.pdf*

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 **Annual Source Testing Demonstration Trial Results – Public Meeting Presentation (/Alternative Low Carbon Fuels Documents/SMC ALCF Bowmanville AnnualSourceTesting-DemonstrationTrialResults.pdf)**

*SMC ALCF Bowmanville AnnualSourceTesting-DemonstrationTrialResults.pdf*

Please visit the Bowmanville Community Relations Committee page for further reports and information about the Plant: <http://www.stmaryscement.com/Pages/Sustainability/Bowmanville-CRC.aspx>

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## Investors

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[Dixon IL Blasting Schedule \(/Pages/Sustainability/Dixon-IL-Blasting-Schedule.aspx\)](/Pages/Sustainability/Dixon-IL-Blasting-Schedule.aspx)

[Town of St. Marys \(/Pages/Sustainability/Community-Liaison-Committee.aspx\)](/Pages/Sustainability/Community-Liaison-Committee.aspx)

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