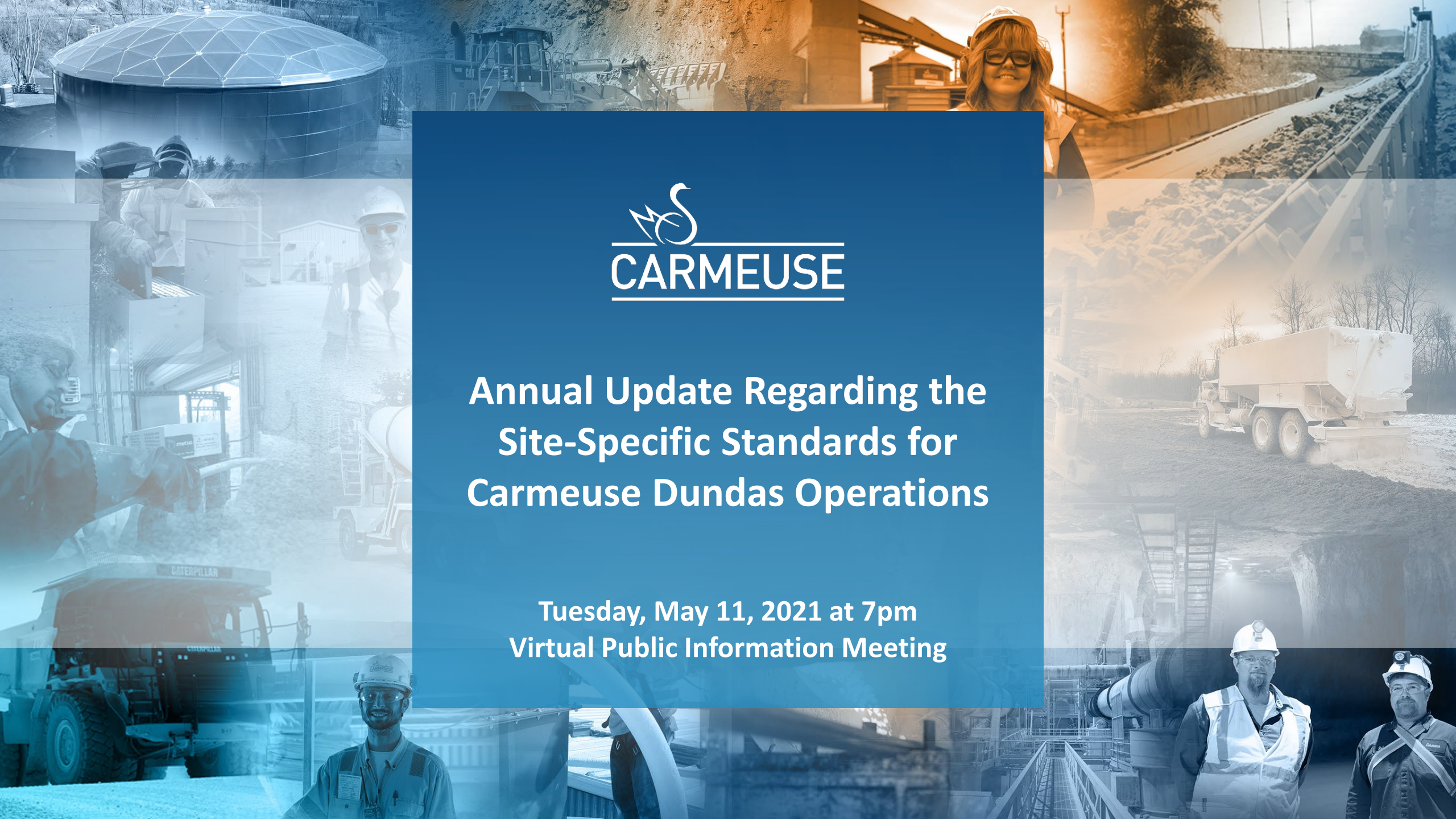


CARMEUSE

Annual Update Regarding the Site-Specific Standards for Carmeuse Dundas Operations

Tuesday, May 11, 2021 at 7pm
Virtual Public Information Meeting

AGENDA

1. Introductions
2. Background
3. Site-Specific Standards
4. Actions to Reduce Emissions
5. Public Consultation Process
6. Your Feedback

CARMEUSE

1. Introductions

Presenters and Representatives

People Presenting and Available to Respond to Questions at the End of the Presentation

- Carmeuse Lime (Canada) Limited
  - Chris Martin, Senior Environmental Manager, Northern Region
  - Chris Cooke, Plant Manager, Dundas Operations
  - Cem Gercek, P.Eng., Area Operations Manager

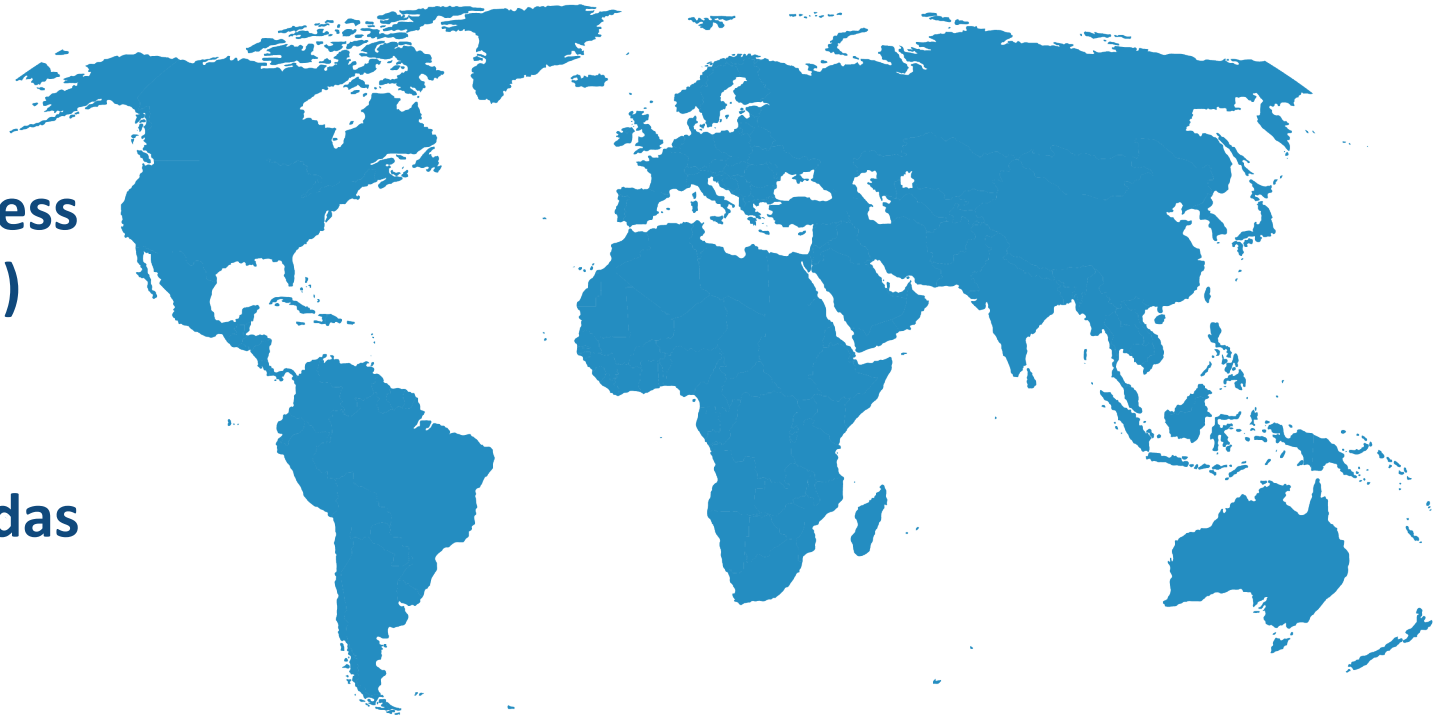
- Stantec Consulting Ltd.
  - Kim Ireland, Associate, Project Manager

2. Background

Carmeuse

Company Overview

- An international, leading producer of limestone and lime products
- Parent company is fifth-generation, family-owned business based out of Belgium (160 years)
- Three facilities operating in Ontario for 70 years near Beachville, Blind River, and Dundas
- 180 employees in Ontario
- Financial and volunteer support for local charity organizations



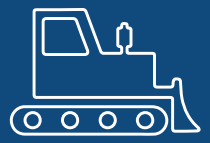
OUR MARKETS AND APPLICATIONS

Carmeuse products make steel stronger, air cleaner, water purer, and roadways last longer — a vital ingredient in the materials that build and renew infrastructure around the World.

Environment

Iron & Steel

Chemicals



Civil Engineering & Construction

Agriculture

Pulp & Paper

Glass & Ceramic

Flue Gas Treatment

Non-Ferrous Metal

Building Materials

CARMEUSE

Carmeuse Dundas Operations

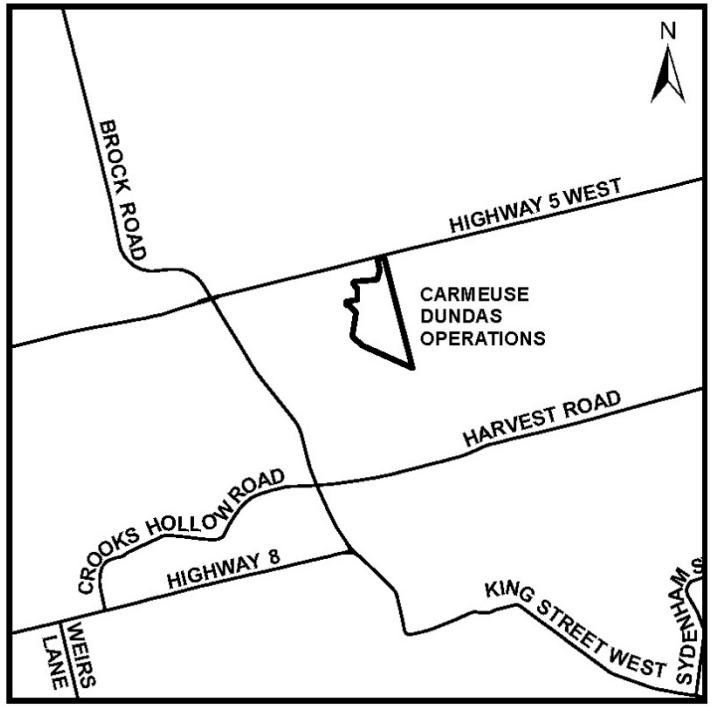
Site Location

Address:

600 Hwy #5 West,
P.O. Box 2029,
Dundas, Ontario L8N 3S9

Site Telephone Number:

905-628-8800



CARMEUSE

Process Overview

Two Primary Processes

Limestone Quarry Process – Lafarge Canada

Quarrying Limestone Rock → Primary Crushing → Secondary Crushing → Sizing

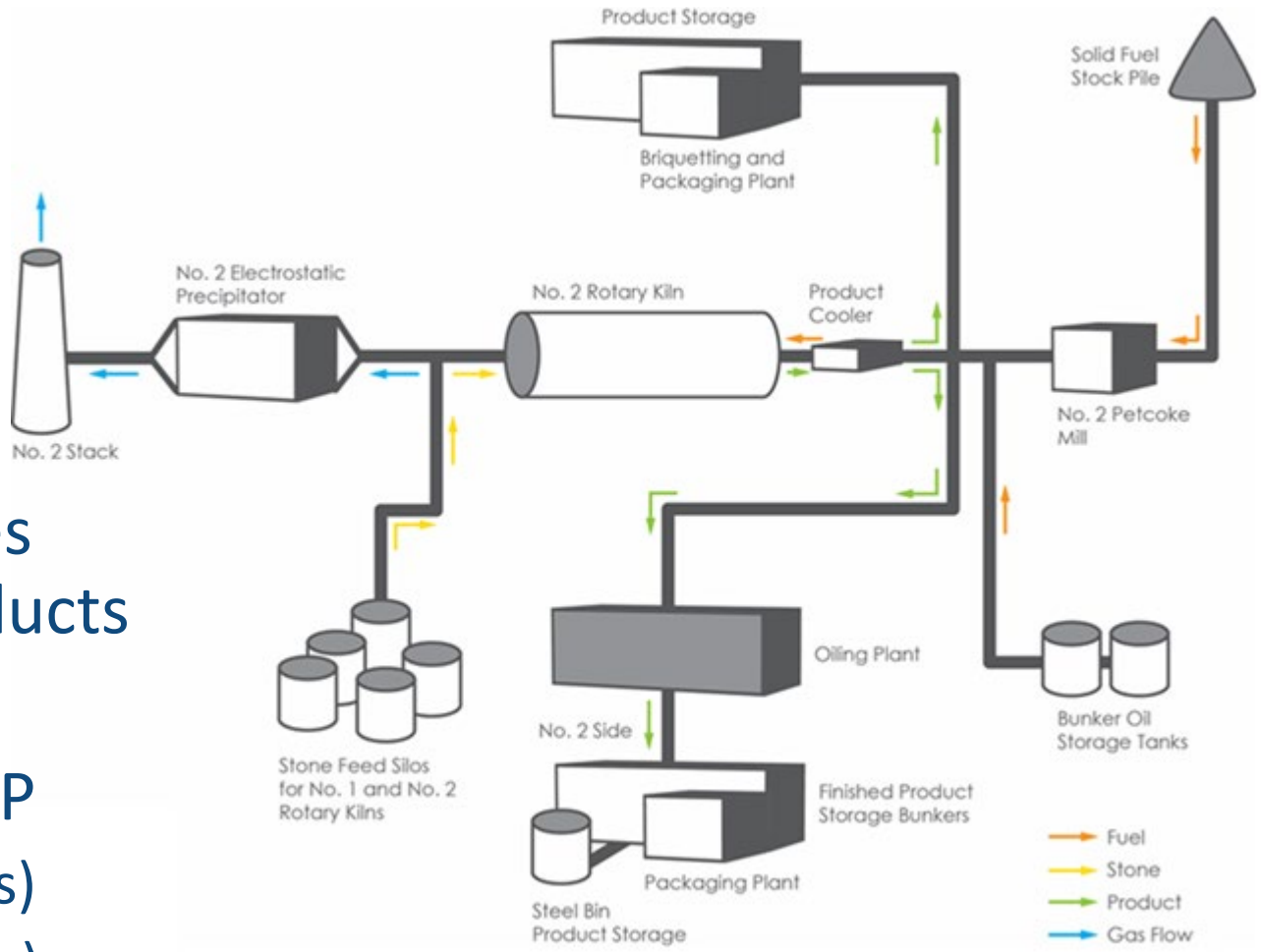
Process to Produce Lime Products – Carmeuse Lime Dundas

Calcination in Kilns → Refining and Resizing → Additional Processing for Some Products → Storage and Shipping

Production Process

Kiln Operation

- Kilns operate 24 hrs/day for 365 days/year
  - Each Kiln equipment with an Electrostatic Precipitator
- Processing and handling activities transfer limestone and lime products
  - 23 baghouses control emissions
- Sources of Calcium Oxide and TSP
  - Point sources (Kilns and baghouses)
  - Fugitive Sources (material handling)



3. Site-Specific Standards

Ontario

Ministry of the Environment and Climate Change

Ministère de l'Environnement et de l'Action en matière de changement climatique

Site-specific Standard Approval Issued Pursuant to s.35(1) of O. Reg. 419/05

Approval Number: 203-17-rv0
Reference Number: 6834-AHZJVN
Issue Date: February 23, 2018
Expiry Date: February 23, 2028

Site-Specific Standard Approval issued to: Carmeuse Lime (Canada) Limited

Site Location: 600 Highway 5 West
Dundas, Ontario
L9H 3S9

Existing Site-Specific Standard Approval for Suspended Particulate Matter (Dust)

Ontario

Ministry of the Environment and Climate Change

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L9H 3S9

Existing Site-Specific Standard Approval for Calcium Oxide (Lime)

Ontario Regulation 419/05 Air Pollution – Local Air Quality

Section 32 – Site-Specific Standards

Facilities meet the air quality standards

Request a Site-Specific Standard for individual air contaminants with an Action Plan to reduce emissions

Ministry reviews application package and issues approval with timeline to implement the Action Plan

Determine if there are other feasible actions to reduce emissions and renew the Site-Specific Standard

Timeline

Key Milestones

2014

Ambient Monitoring Program
Establish baseline air quality conditions

2015

Emission Summary and Dispersion Modelling Report
Assess expected air concentrations off-property

Technology Benchmarking Report
Identify technically feasible options to reduce emissions

2016

Initial Public Consultation
Public Open House to share information regarding the application for Site-Specific Standards and address comments from the public

2018

Site-Specific Standard Approval Issued
Ministry of the Environment, Conservation and Parks issued two approvals including an Action Plan to reduce emissions

2019 - Present

Annual Public Consultation
Annual public meetings providing an update as to the implementation of the Action Plan

Site-Specific Standards for Carmeuse Dundas Operations

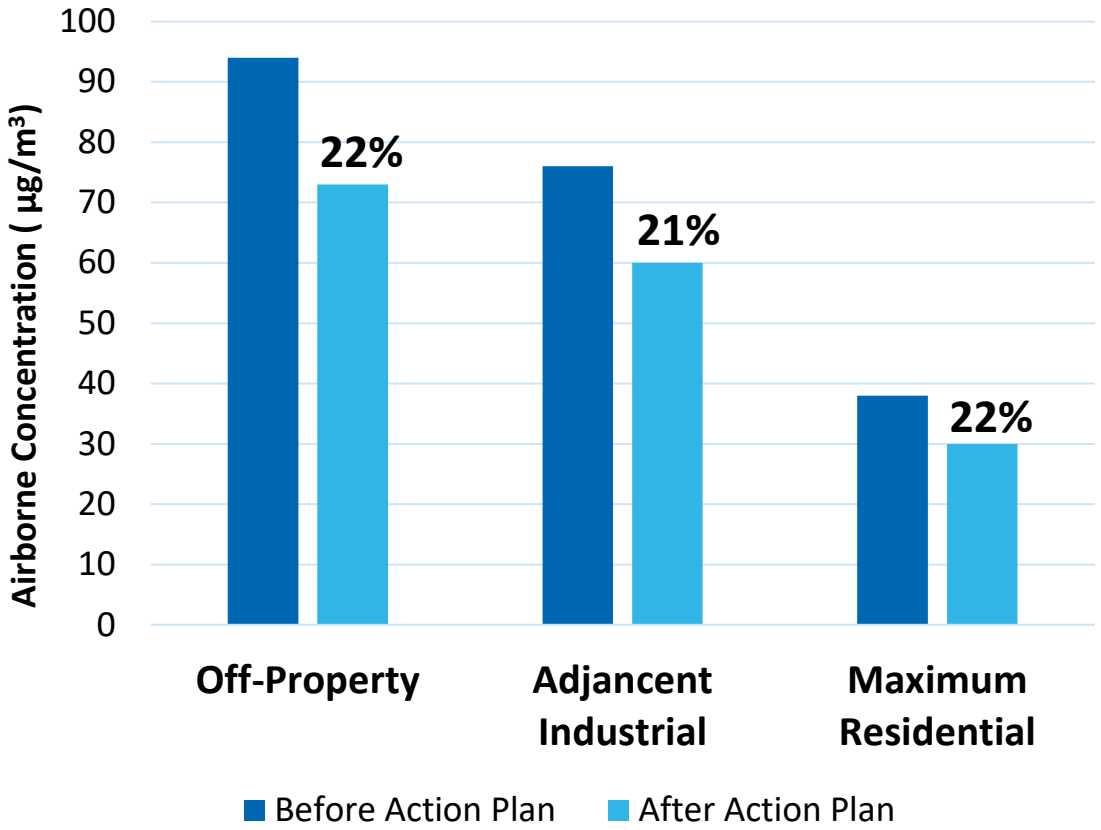
Approved Limits for Calcium Oxide and Suspended Particulate Matter

Contaminant	Applicable Dates	Site-Specific Standard ($\mu g/m^3$)	Averaging Period
Calcium Oxide (Lime)	February 23, 2018 to June 1, 2023	94	24-hour
	June 1, 2023 to February 2028	73	
Suspended Particulate Matter (Dust)	February 23, 2018 to June 1, 2023	298	24-hour
	June 1, 2023 to February 2028	187	

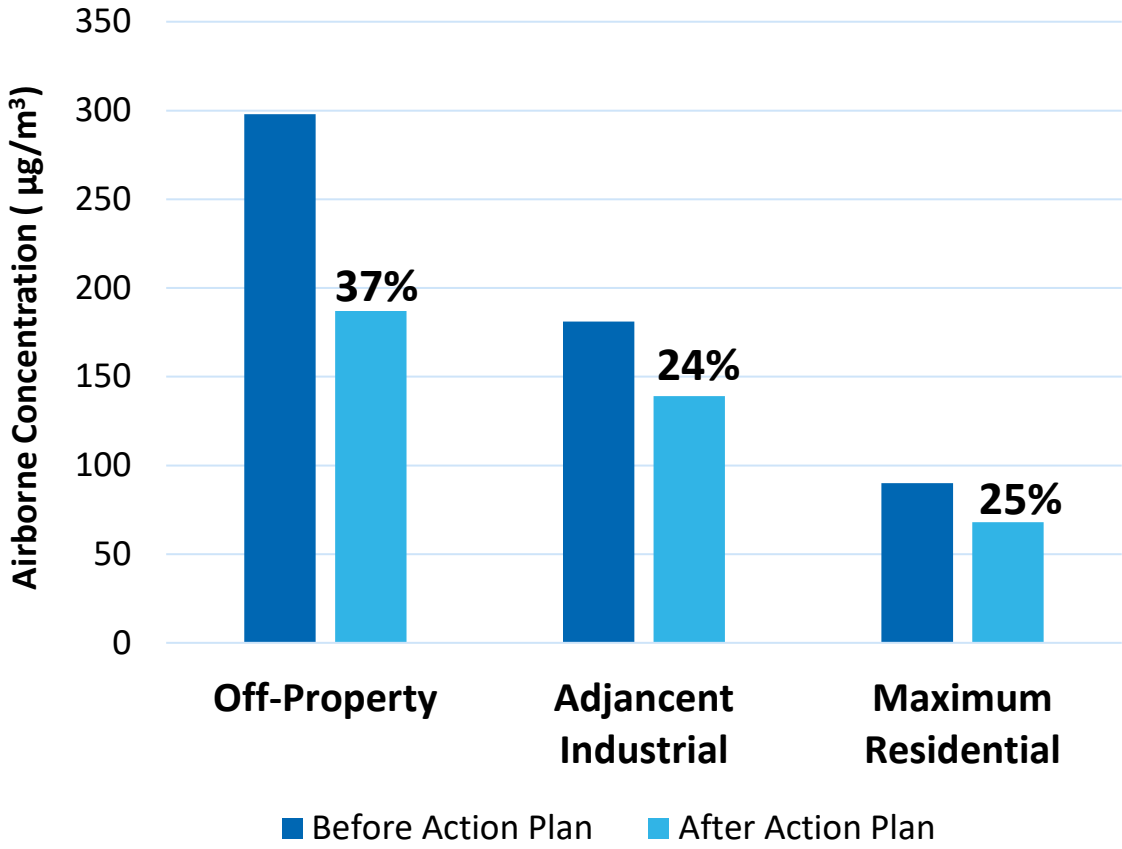
Air Dispersion Modelling Results

Maximum Predicted Airborne Concentrations of Calcium Oxide and Suspended Particulate Matter at Ground-Level Before and After Implementation of the Action Plan

Calcium Oxide



Suspended Particulate Matter



4. Actions to Reduce Emissions

Action Item A: Low-Grade Lime Storage Pile

- Reduce wind erosion from storage piles – Completed in 2018

December 2015: Long-term storage of lime in various locations

December 2018: Short-term storage of a small quantity of lime in a designated enclosure

Action Item B: Bunker Loadout

- Enclosure of Bunker Loadout - Completed in 2018
- Mitigative actions including reduced loadout frequency and increased operation supervision

December 2015: Bunker Loadout area open and pile of lime

December 2018: Bunker Loadout area enclosed with metal sheeting and pile of lime removed

Action Item C: Bin Loadouts

- Upgrades to Loadout Areas - Completed in 2018

December 2015: Bin 12/13 Loadout with damaged dust curtain (plastic strips)

February 2021: Bin 12/13 Loadout area dust curtains

Action Items D and E: Kiln Smoke Chambers

- Enclosure of Kiln #1 and Kiln #3 fallout area – Completed in 2018
- Creation of chute and fallout bin for Kiln #3 – Completed in 2018

December 2015: Kiln #2 Smoke Chamber Fallout area open

December 2018: Kiln #2 Smoke Chamber Fallout area enclosed

Action Item F: General Production Area

- Increasing concrete / paved areas of facility
- Completed in 2020

December 2015: Accumulated material in production area and gravel surface

December 2018: Removal of accumulated material and new concrete and pavement

Action Item G: Screening Plant Hoppers

- Enclosure of screening plant hoppers
- Completed in 2020

December 2018: Screening Plant Hopper

September 2020: New door on Screening Plant Hopper Building

Action Item H: Buggy Hopper

- Partial enclosure of the Buggy Hopper
- Scheduled to be completed in 2021

December 2018: Buggy Hopper

Action Item I: Stone Intake

- Full enclosure of stone intake building by installing a roll-up door
- Scheduled to be completed in 2021

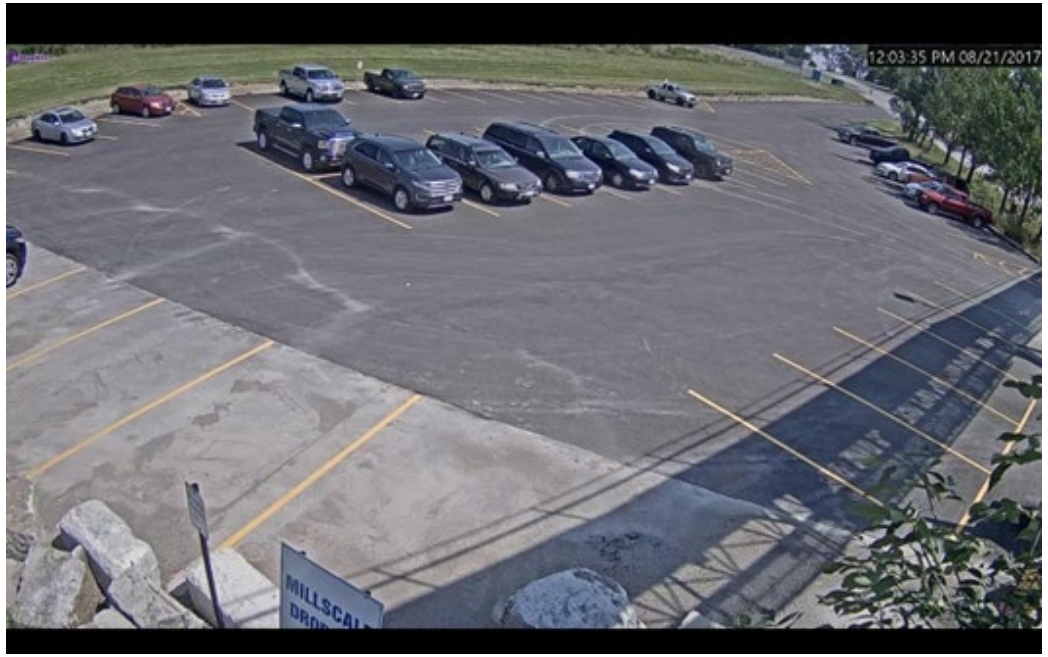
December 2018: Stone Intake

Additional Voluntary Initiatives

Employee Parking Lot

- Employee parking lot paved to reduce fugitive emissions and allow for cleaning
- Completed in 2017

July 2017—Gravel Lot



August 2017— Paved Lot

Additional Voluntary Initiatives

Truck Overfilling

- Automated and administrative controls implemented
- Designated area for load adjustments
- Improved operation of Buggy Hopper for recycling lime
- Completed in 2018

December 2018 - Designated Area for Overloads

December 2018 - Buggy Hopper and Conveyor

5. Public Consultation Process

Key Elements

Due to concerns and restrictions related to the COVID-19 pandemic, a virtual public information meeting was convened rather than an in-person public open house.

Website with information which would have been provided on storyboards at an in-person meeting

Opportunity for public comments through Carmeuse's website and email address

Virtual public meeting where information is being presented and address comments

Public Consultation Report to be prepared overviewing the process and how public comments addressed

Submit comments before May 31, 2021 through
Website: carmeuse.com/na-en/dundas-operations
OR
Email Address: CarmeuseProjects@stantec.com

CARMEUSE

6. Feedback

Thank you for attending!

Your Feedback

You can type your comments or questions into the chat box

Or you can submit comments through:

Website:
carmeuse.com/na-en/dundas-operations
OR
E-mail: CarmeuseProjects@stantec.com

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