

## SEVERN PINES QUARRY

### Our Environmental Challenge: Dust Emissions

*“Leading the aggregate industry into the future by reducing our impacts.”*



Suction Pipes



Extendable Chute



Dust Collection System

#### Efficiently operate

- Installed a dust suppression system in the processing plant
  - dry system able to operate all year without freezing
  - draws air in and traps dust
  - filters air and circulates back through process
  - material is stockpiled and made into a sellable product

#### Acknowledge our part by

- improving visibility on-site and minimizing safety concerns
- working as a group to maintain and operate the system

#### Reduce our impacts

- We:
- remove approximately 35 tonnes/day of fugitive emissions
  - dramatically reduced the need for clean-up with our skid steer (monthly compared to daily)

#### Take time to plan

- We:
- researched systems and installed the one that would suit our needs
  - installed an extendable chute for discharging material into trucks which:
    - includes a sensor that allows the chute to move with the material
    - material is not exposed to the air as there is no drop distance

#### Higher Environmental Performance

- We:
- reduce our impacts while improving the health of employees
  - work as a group to manage these challenges with the Walker way in mind

#### 1st Innovation and leadership

- One of the first sites to install a dust suppression system of this kind in a quarry



Ron Cowie



Don Mariani



Ryan McGillvray & Luke Beard



Joey Timbers & Trevor Jones



Joel Kane, Paul Brohm, Ryan Dallman, Bob Haroutunian, Jason Sawyer and John Schembri



Kyle Schwab



Terry McColman



Linda Veilleux and Debbie Hales

**QUESTIONS / DISCUSSIONS**

1. What measures could you take to minimize dust at your site?
2. How could you minimize the time taken for on-site clean-up?
3. What are the benefits for taking time to plan site improvements?





# Acknowledge Our Part Our Environmental Messenger™

## SEVERN PINES QUARRY

SEPTEMBER 2012

COMMIT ■ CREATE ■ PARTICIPATE

Company \_\_\_\_\_ Date \_\_\_\_\_ Delivered by \_\_\_\_\_

Other topics discussed \_\_\_\_\_

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### RECORD RESPONSES SPECIFIC TO YOUR SITE

1. What measures could you take to minimize dust at your site?  
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2. How could you minimize the time taken for on-site clean-up?  
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3. What are the benefits for taking time to plan site improvements?  
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**EARTH1st CHAMPIONS**

## EARTH1st CHAMPIONS

Walker Brothers Quarries has been reducing their impacts by using rain barrels to capture and store rain water from the shop. The water is used to water their garden.

Keep up the great work, WBQ!



### Who do you know who commits, creates and participates in EARTH 1st?

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*Clearly no group can, as an entity, create ideas. Only individuals can do this. A group of individuals may, however, stimulate one another in the creation of ideas.*  
Estill I. Green