

## Proud of Environmental Initiatives

### Efficiently operate by

- retrofitting the secondary crusher with a hydraulic package
  - crusher chamber jams can now be cleaned out quickly
  - no longer needing manual cleanouts
  - increases safety for employees and eliminates downtimes
  - keeps rock from casting out, decreasing waste
- replacing an aging crusher with a new HP400 crusher
  - driven by a new high efficiency motor
  - equipped with hydraulic adjustment capabilities allowing operators to adjust crusher settings in response to Quality Control requirements and customer demand
- improving efficiency at the quaternary plant where energy consumption has been decreased by 50%.

Process reconfigurations include:

- removal of a cone crusher and 300 hp electric motor
- elimination of nine conveyors
- introducing a programmable logic control (PLC) system to fully automate the plant

### Acknowledge our part by

- recognizing that without connecting safety, the environment and Quality Control & Quality Assurance together, we could not reach our production goals
- conducting monthly environmental inspections
- ensuring contractors are aware of the EARTH 1<sup>st</sup> principles

### Reduce our impacts

We:

- began using chain covers on the front tires of the face loaders
  - extends the life of the front tires by 3 times & reduces waste to landfill
  - additional benefits may include reduced fuel consumption due to increased traction and less tire slippage
- switched to high efficiency lighting in the welding shop
- use rain barrels to collect water for the garden
- pump water only when necessary
- installed dust hoods on stacker, increasing visibility and reducing fugitive dust
- minimized the washing of equipment to reduce our water footprint

### Take time to plan

We:

- ensure employee safety and the environment are incorporated into project planning
- engaged Masaba Canada in initial start up of the stacker to maximize efficiency

### Higher Environmental Performance

We:

- shared our experience of tire chains with Simcoe operations

### 1<sup>st</sup> Innovation and leadership

We:

- commissioned a new articulating stacker
  - height of the stacker can be adjusted to reduce the distance the stone falls to the stockpile, reducing the amount of airborne dust created
  - one less loader is required for stockpiling, creating fuel savings



WBQ Articulating Stacker



Glenn Wilde, Scott Traubenik, Lisa Reesor and Angelo Bevilacqua



Face Loader Chains



WBQ Garden



Rain Barrels

### QUESTIONS / DISCUSSIONS

1. What upgrades could be made to your process to make it more efficient?
2. What improvements could be made for dust control?
3. What changes could/have you made to make on-site equipment more efficient?

**COMMIT ■ CREATE ■ PARTICIPATE**



# Acknowledge Our Part Our Environmental Messenger™

WALKER BROTHERS QUARRIES

February 2013

COMMIT ■ CREATE ■ PARTICIPATE

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

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



Phil Pirson



Brandon Collee



Moe Collee



Les Hegyes



Mike Camposarcone



Joe Coens



Dante DiCenso



Les Hildebrand



Kevin Waines



Phil Bowman



Bill Grekul



Joe Jones



Elio Porco



Patsy Porco



Bruce Pitman



Kelvin Charlton



Kenny Waines



Keith Yarnell

Name

Signature

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## RECORD RESPONSES SPECIFIC TO YOUR SITE

1. What upgrades could be made to your process to make it more efficient?

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2. What improvements could be made for dust control?

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## 10<sup>th</sup> ANNIVERSARY of EARTH 1<sup>st</sup>

This year is the 10<sup>th</sup> Anniversary of EARTH 1<sup>st</sup>! Keep a look out for postings on our EARTH1<sup>st</sup> Intranet page throughout 2013, for videos, activities and challenges. We encourage everyone to share their ideas, participate and have fun!

## Commit ■ Create ■ Participate

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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



Brad Reid



Dave Braniff



Dorothy Harold



Phil Bowman