

MCGREGOR & AMHERSTBURG QUARRY

Proud of Environmental Initiatives



Essex operations continuously look into ways to innovate and improve efficiency. They are recognized for their community involvement, educational initiatives and industry awareness.

Efficiently operate by

- Installing timers on all block heaters for mobile equipment, saving energy by not running the heaters overnight
- Installing high efficiency pumps in the main sump. The new pumps include hi-low float switches designed to control when the pump turns on and off, saving energy and reducing wear and tear.
- Now using mobile radios, allowing for quick responses in case of emergencies and improves communication between employees

Acknowledge our part by

- Seeding and berming to reduce erosion and improve visual effects
- Altering the patterns and timing of blasts to reduce impacts on neighbours. The pattern reduces the amount of blasts required.

Reduce our impacts

- Installed low-flow toilets in the new lunchroom facility
- Removed 3 diesel pumps from daily use by using the natural landscape to increase gravity flow to drainage
- Implemented a cardboard recycling program
- Switched to biodegradable oil in submersible pumps to reduce impacts in the event of a spill
- A water truck is used to reduce dust emissions onsite
- Upgrading to LED, energy efficient lighting throughout the plant
- Installed a bulk lubricant system in the mechanic's shop
 - Reduces transport trips and disposal of multiple drums
 - Less drums onsite which reduce the chances of spills and creates more space

Take time to plan

- Working with Hydro One to improve energy usage
 - Switched the plant to soft-start circuitry which gradually increases the switch-current limit at startup, slowing the rate of rise of the output voltage and reducing the peak current required when starting up. This change results in a reduction of KW/tonnes.

Higher Environmental Performance

- Provide educational opportunities and experiences for Geologists studying local rock formations
- Continually looking to make operations more innovative and efficient
- Recently won a Community Relations Award from OSSGA
 - Recognizes good neighbour activities, community involvement, media relations, education and industry awareness.

1st Innovation and leadership

- Installed a new cone crusher into the main processing plant at McGregor Quarry
 - Motors are more efficient, allowing for more material to be produced and providing better crushing capability
 - Reduces the amount of time the machinery is running, reducing emissions and fuel usage
 - Reduces dust emissions



Efficient Lighting



Ryan Wall and Bob Haroutunian



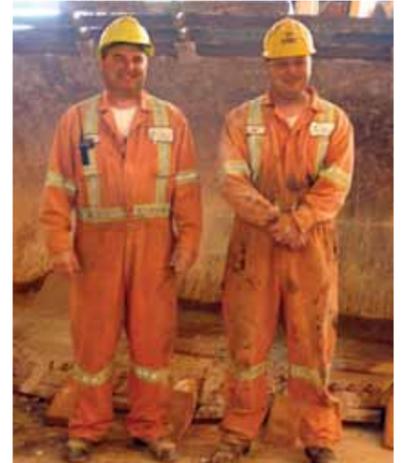
Donna Anger and Lisa DeHeer



Kris McGuire



Bob Haroutunian, Charles Beaudoin and Wayne Tofflemire



Jeff Reh and Mitch Reh



Jim Paquette and Brian Beaudoin



Betsy Gamble



Carleigh Anger



Water Truck



Cone Crusher

All your questions and discussion topics are on the reverse side . . . get talking!

