

Duntroon Quarry Operations Fact Sheet: Addressing Concerns and Reducing Our Impacts

November 2008

Community Consultation

What Walker does to inform and engage the Duntroon community:

- ✓ Public Liaison Committee meetings
- ✓ Annual operations improvements workshops
- ✓ Regular newsletters
- ✓ Dedicated project website
- ✓ Information hotline
- ✓ Preparation and update of Duntroon Quarry Application Guide
- ✓ Annual barbecues with blast demonstration
- ✓ Kitchen table meetings with neighbours
- ✓ School events
- ✓ Holds regular briefings for elected officials

Traffic

What Walker does to mitigate traffic issues:

- ✓ Only loads trucks with Ministry approved exhaust systems (no straight pipes)
- ✓ Reminds drivers to refrain from using engine brakes whenever possible by sign posted at quarry exit
- ✓ Notifies drivers by letter (in five languages) to limit use of engine brakes whenever possible, to respect speed limits and to be courteous to neighbours
- ✓ Employs a retired police officer to periodically monitor speeds and use of engine brakes on haul routes
- ✓ Conducts traffic studies when necessary
- ✓ Improves directional signage where necessary
- ✓ Contributes to road improvements above and beyond what is necessary in the course of operations

Water

What Walker does to monitor water:

- ✓ Conducts extensive monitoring
- ✓ Commits to provide a temporary or permanent alternate water supply if residential wells are affected
- ✓ Protects wetland features adjacent to the quarry and the groundwater springs at the Escarpment
- ✓ Educates neighbours about their wells

Quarry dewatering is regulated by the Ministry of the Environment through a Permit to Take Water



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For more information, contact Ken Lucyshyn: 705 445-2300 x 224

www.walkerind.com

Blasting

What Walker does to minimize blasting effects:

- ✓ Designs all blasts with millisecond delays between holes to reduce vibration
- ✓ Notifies immediate residents in advance
- ✓ Watches the weather with objective to blast under least impact conditions
- ✓ Monitors vibration levels at 3 stations

Vibration levels recorded to date have been well within the provincial guideline limits.

Light

What Walker does to minimize light pollution:

- ✓ Caps all quarry lights so they shine downward, not into the night sky

Operations noise

What Walker does to minimize noise from our operations:

- ✓ Replaced back-up beepers with broad band back-up alarms that warn the immediate area without causing off-site nuisance noise
- ✓ Lines trucks and other equipment with thick sound-dampening rubber
- ✓ Lowered the crushing plant to the quarry floor
- ✓ Organizes on-site traffic flow to minimize backing up of highway trucks
- ✓ Encloses crushers and transfer points on the plant
- ✓ Lines transfer points with rubber to deaden noise of falling stone
- ✓ Employs a preventive maintenance program on all equipment
- ✓ Only loads vehicles with a Ministry approved exhaust system (no straight pipes)
- ✓ Designs blast to minimize noise impacts

Location

The Duntroon location is a good choice for a number of reasons:

- ✓ Existing customer base
- ✓ Experienced existing workforce
- ✓ Existing infrastructure
- ✓ Existing environmental knowledge
- ✓ Established community relationships
- ✓ Excellent quality stone
- ✓ Fronts onto a County Road, an arterial road intended for moving goods
- ✓ Fronts onto an existing haul route
- ✓ Close to market
- ✓ Aggregate reserve not constrained by significant environmental features
- ✓ Aggregate reserve not sterilized due to existing development
- ✓ Extraction can comply with provincial standards and regulations
- ✓ Located within the Rural designation of the Niagara Escarpment Plan
- ✓ Rehabilitation and reforestation will result in net environmental gain

