

Acton Quarry Operations



Community Liaison Committee

September 25, 2008

At the Face



- After overburden is removed, 4.5” hole is drilled
- Approx. 2800 holes drilled per year
- Approx. 35-40 holes are loaded each blast, producing approx. 40,000 tonnes of muck per blast
- Blast 2-3 times per week
- 5 separate blast monitoring stations positioned around the operation to measure noise and vibration

Load and Haul



- 2 x CAT 990 loaders load muck onto 6 x CAT 777 haul trucks
- Each loader bucket loads approx. 14 tonnes
- Each truck holds approx 100 tonnes
- Process approx 135 loads per shift

Primary Crushing



- Primary crusher operates approx. 1400 tph
- Crushes stones as large as 54"x74" to 8"
- Original piece of equipment with operation beginning in the early 1960's

Surge Pile



- Once stone is crushed to 8" minus size it is stored in a surge pile
- 3 underground reclaim feeders draw material into the processing plant

Processing Plant



- Processing plant was equipped with rubber screening panels this spring to reduce noise pollution.
- Achieved great results with a 10dba reduction at the source
- Total of 11 screen boxes were outfitted with this technology

Wash Plant



- The clear sized aggregate is washed using recycled water
- This water is taken from the water body in Phase 1 and returned through a series of pumps and piping
- The washed aggregate is desirable for asphalt and concrete uses to produce higher strength materials that are longer lasting.

Stockpiling



- All finished materials are stockpiled with the use of conveyors and stackers.
- Material is loaded from finish stockpiles onto highway trucks for shipment to our customers

Infrastructure



- As the highway trucks scale out of the site, they travel through a tire wash system
- This reduces the amount of mud tracking from the property
- The system works using recycled water.

Infrastructure



- In an effort to further reduce dust and mud tracking the site has a utility machine that can be equipped with a hydraulic broom.
- This broom is used to clean asphalt areas around the scalehouse, 4th Line entrance and the 22 sr. Crossing.