



Dufferin Milton Quarry Community Advisory Panel (CAP) Meeting Minutes

Meeting Date, Time & Location

Tuesday, April 26, 2011, 7:00 p.m. - 8:30 p.m.

Dufferin Milton Quarry, Boardroom, 9410 Dublin Line, Milton

Participants

Name	Organization
David Johnston	Niagara Escarpment Commission, CAP Member
Janice Vansco	Local Neighbour
Julia Carslake	Local Neighbour, CAP Member
Jan Mowbray	Former Town of Milton Councilor
Sandy Martin	Milton Chamber of Commerce
Stephen Ng Qui Sang	Local Neighbour (Guest)
Walter Heyden	Dufferin Aggregates (site manager, Milton Quarry), CAP Member
Letty Stevenson	Dufferin Aggregates, CAP Member

Facilitation and Support

Sarah McEvoy, Edelman Canada

Tom Sargent, Edelman Canada

Regrets

Maureen Smith, Bruce Trail, CAP Member

Marrion McMeeken, Local Neighbour (Guest)

Kate Bottos, Local Neighbour (Guest)

Colin Best, Local and Regional Councilor

Cindy Lunau, Town of Milton Councilor

Kim Wilson, Local Neighbour

Steve Clairman, Local Neighbour

Mike Grimwood, Local Neighbour

Minutes

- 1) Meeting called to order at 7:00 p.m. by Sarah McEvoy
- 2) Sarah outlined the agenda for the meeting
- 3) Sarah asked CAP members to review the February 22 minutes
 - a) The minutes were approved by the CAP members
- 4) Walter Heyden reviewed the action items from last CAP meeting and provided an operational update of the Milton Quarry
 - a) Walter Heyden acknowledged that Letty Stevenson sent out a link to an overview of the Water Management System to CAP members
 - b) Walter will send out some tentative dates for CAP members to come and watch a blast in May
 - c) Walter reminded CAP members that Earth Day at the Milton Quarry will take place on May 6 at 11:30 a.m.
 - d) The Quarry is moving to double shifts on May 1, 2011, where there will be one extra blast per week
- 5) Walter provided CAP members with a presentation on the overall aggregate cycle, entitled "A Look at Aggregates from Start to Finish" including:
 - a) The Extraction Process (drilling, blasting)
 - After overburden is removed, a 4.5" hole is drilled
 - Approximately 4,000 holes are drilled per year
 - Approximately 40 to 45 holes are loaded for each blast, producing approximately 40,000 tonnes of muck per blast
 - The Milton Quarry blasts two to three times per week
 - 3+2 blast monitoring stations positioned around the site to measure noise and vibration
 - Holes are typically drilled 13 feet back from the edge of the face
 - b) Load and Haul
 - Two CAT wheel loaders 990/992 load muck into 6 x CAT 777 haul trucks are used at the Quarry
 - Each loader bucket loads approximately 20 tonnes
 - Each truck holds approximately 80 tonnes
 - Move approximately 150 loads per shift
 - c) Primary Crushing

- Primary crusher is called a Metso Superior MK II Gyratory Crusher. It operates at 2000 tonnes per hour
 - Crushes stones as large as 54"x74" to 8"
- d) The Surge Pile
- Once stone is crushed to 8" minus size, it is stored in a surge pile
 - Then, feeders draw material into the processing plant
- e) The Processing Plant – Classification
- Processing plant crushers and screens (sorts) material in various sizes from 4" to 3/8"
 - Four crushers in the Secondary Plant.
 - Total of 12 screens used in Classification Tower
- f) Washing – Wash Plants
- Approximately 95 per cent of aggregate is washed using recycled water; other 5 per cent is washed using make up from the fresh water pond (which is then recycled through a series of pumps and settling ponds)
 - Washed aggregate is desirable for asphalt and concrete to produce higher strength, longer lasting materials
- g) Shipping – Stockpiling
- All finished materials are stockpiled with the use of conveyors and stackers
 - Material is loaded from stockpiles onto highway trucks for shipment to our customers
- h) Shipping – Loading, Scaling and Track out
- Loaded at 25-40 tons (depending on trailer)
 - Scaling system will not issue a waybill if weight is overloaded
 - Drivers must return and reduce their load appropriately
 - As the highway trucks leave the site, they travel through a wheel wash system using recycled water
 - Reduces the amount of mud tracking from the Quarry property
- i) Ontario Stone, Sand & Gravel Association (OSSGA)
- Non-profit industry association representing over 250 sand, gravel, and crushed stone producers and suppliers of valuable industry products and services
 - Collectively, members supply the majority of the approximately 172 million tonnes of aggregate consumed annually in the province to build and maintain Ontario's infrastructure needs
 - OSSGA works in partnership with government and the public to promote a safe and competitive aggregate industry contributing to the creation of strong communities in the province
 - <http://www.ossqa.com/>
- j) The use of aggregate in Ontario includes:
- Roads – 52%
 - Concrete – 15%
 - Chemical – 7.2%
 - Cement, Steel, Glass

- Asphalt – 6.7%
 - Other construction – 4.1%
 - Mortar sand – 1.55%
 - Pulverized stone
 - Cosmetics, Paints, Food additives
 - Dimensional stone .05%
- k) The Concept Plan for rehabilitation at Milton Quarry
- As part of the approval process for the extension, Dufferin Aggregates donated 1,000 acres to Conservation Halton.
 - A concept plan is evolving with input from multiple stakeholders to show how the lands might develop and be used after extraction is complete.
- 6) Sarah McEvoy opened the floor up to comments from CAP members
- 7) Julia Carslake asked about the water management system in the rehabilitation plan
- a) Walter said that there would be dewatering activities in that area. However, the Milton Quarry pays a \$0.42 royalty to Conservation Halton for every ton of aggregate removed from the quarry to cover the rehabilitation costs
- 8) Stephen Ng Qui Sang asked about the expected life span of the quarry extension
- a) The expected life rate of the quarry is roughly 15 years
- 9) Sandy Martin asked about the dumping nearby. Walter said that some of the Dufferin employees will be going out to clean up the area on Earth Day.
- 10) Stephen Ni Qua Sang expressed concern about a blast that took place at 1:16 p.m. on Monday, April 25, 2011. The blast shook his windows.

Action Items

- 11) Walter to check the data of the blast on Monday, April 25, 2011 and share it with Steve and the rest of the group within two weeks
- 12) Walter to circulate the date for when CAP members can come to the Milton Quarry to watch a blast in May

Next Meeting

- 13) The next meeting has been scheduled for Tuesday, June 28, 2011, 6:30 p.m. – 8:30 p.m. at the Dufferin Milton Quarry, Boardroom and will feature a tour of the Acton Quarry. All CAP members and guests to meet at the Milton Quarry and board a bus to travel together to Acton.