



Dufferin Aggregates
2300 Steeles Ave W, 4th Floor
Concord, ON L4K 5X6
Canada

Phone 905-761-7500
Fax 905-761-7505
www.holcim.ca

Dufferin Aggregates Milton Quarry Community Advisory Panel (CAP) Meeting Minutes

Event: Community Advisory Panel (CAP)
Milton Quarry

Date & Time: Wednesday, December 2, 2015 7:00 – 8:00 p.m.

Place: Milton Quarry

Chair: Morgan Murphy, Smithcom Limited

Participants: CAP Members:

Walter Heyden, Dufferin Aggregates, Site Manager, Milton Quarry
Letty Stevenson, Dufferin Aggregates, Milton Quarry
Colin Best, Town of Milton Councillor (arrived late)
Sandy Martin, Milton Chamber of Commerce
Nancy Tilt, Bruce Trail
Nancy Mott, Niagara Escarpment Commission
Stephen Ng Qui Sang, Neighbour
Janice Vancso, Neighbour

Presenters:

Walter Heyden Presentation – Quarry Operations in 2015

Guests:

Marion McMeeken

Minutes: Harry Godfrey, Smithcom Limited

Regrets:

Pam Sheldon, Neighbour

Ted Brown, Halton Hills Councilor

Bryan Lewis, Halton Hills Councilor

Minutes

Morgan Murphy calls the meeting to order. Meeting formally opened.

Review and Approve October 7 Minutes

- Sandy Martin motions approval
- Stephen Ng Qui Sang seconds the approval

Quarry Operations in 2015: Walter Heyden

Dufferin Aggregates is now owned by CRH

- The purchase was formalized early 2015
- CRH is one of the world's largest building suppliers

Operation update:

- The North Quarry has continued towards full extraction.

Nancy Mott: Is this below the water table?

Walter Heyden: It is all below the water table, the water will replenish the mined-out areas of the quarry.

Walter Heyden: The West cell will continue to be extracted in 2016. The third area is the East cell; removal of trees and soil is beginning now. All areas are very close together. The east is simply adjacent to the West and North Quarry so extraction is not significantly closer to any homes.

Sandy Martin: How long will it take you to mine the East side?

Walter Heyden: About 8 years.

Stephen Ng Qui Sang: Does living on the east side mean we'll hear more blasts?

Walter Heyden: The distances are so small to the other two Quarries that you won't hear anything significantly different. It's only an additional hundred meters or so.

Stephen Ng Qui Sang: The white area, is what you're planning to mine?

Walter Heyden: The white is the border of what we're permitted to use. It has an old cement pool.

Marion McMeeken: Where are the areas of the Jefferson Salamanders?

Walter Heyden: There are two protected areas because of Jefferson salamanders and one because of fish.

Janice Vansco: And have you started extracting from the East?

Walter Heyden: Yes we've made the initial sinking cut. It takes time to do it as there are challenges forming a sinking cut.

Janice Vansco: Are you finished blasting now for the year? I think I heard one last Wednesday.

Walter Heyden: We stopped last week, so that is possible.

Marion McMeeken: It was raining, wouldn't that have stopped you?

Walter Heyden: It's only thunderstorms that stop us. Once you've started loading you have to put the blast down because it becomes a safety issue if we leave it there.

Stephen Ng Qui Sang: Well I remember it was a low ceiling because it shook the windows that day.

Production (Presentation continues)

- We had a decent year, 4.75 million tons
- We ran production from March to December

Stephen Ng Qui Sang: Are you planning to start in March of February next year?

Walter Heyden: The current plan is to start blasts in February and production in March, this can change though due to a number of factors, including weather.

Milton Quarry Work Force (Presentation continues)

- 85 full time jobs, 64 hourly staff
- They Live adjacent to the quarry, in Milton, Georgetown, Acton, Guelph
- Very diverse work force, one employee was here for 49 years

Local Suppliers

- We try to use local suppliers as frequently as we can. There's a long list of suppliers from the surrounding area.
- These are smaller guys who we think appreciate our business and they do very good work.

DFA in the community – CSR

- Ready Mix Drum program - \$75,000 given Halton Hills Healthcare
- Local Minor League Sports sponsorship
- Send a kid to camp – Milton
- United Way, Mayor's Golf, Christmas house tour, Earth day events, Chamber of Commerce events, school and university tours
- The birdhouses we made were in use by local species almost immediately

End of Presentation

Morgan Murphy opens the floor to questions on Walter's presentation.

Stephen Ng Qui Sang: When do you start rehabilitating the west cell?

Walter Heyden: It's already underway, as we exhaust areas of the quarry and get to the limits we start progressively replacing dirt to begin the process. At the very end you still have to do land forming. Once you have a large enough section you would start shaping it with bulldozers for trees or seeds. The West cell only has land forming required on two sides, one of which is already about 80% completed for earth placement.

Stephen Ng Qui Sang: How long until the lake fills up?

Walter Heyden: The model shows 80 years, but a phased approach should shorten that period of time. The reservoir ended up filling up in 6 or seven years, and they had anticipated 10-12 years. 80 years to fill is the worst-case scenario – and, as it's coming up, it's already started to support the water table.

Marion McMeeken: Is that to fill it to the 33 metres?

Walter Heyden: The water level follows the slope of the topography going downhill and differs accordingly.

Stephen Ng Qui Sang: So all the lakes aren't at the same level?

Walter Heyden: There's roughly an 8-metre difference between each lake above sea level.

Janice Vansco: And the whole space will be filled with water?

Walter Heyden: You have to fill in some parts due to land-forming, but you don't have earth all the way around because you want the water to be able to seep back through the rock. So, as it leaks in it can leak back out to reach its equilibrium. The neighboring quarry shows how quickly something can fill when you stop de-watering it.

Marion McMeeken: When they made the application for the license they said the lakes would refill on their own in 42 years?

Walter Heyden: I'm not sure as to the answer of that.

Marion McMeeken: Once you've finished the Quarry you will be using your re-charge wells to be filling the lakes?

Walter Heyden: Correct, the recharge system isn't to fill the lakes but that's the secondary effect of it. Instead of pumping water back to the reservoir it will be left to fill.

Marion McMeeken: Pumping in perpetuity is the term. Do you envision that happening?

Walter Heyden: The idea is it should stop when it gets to the lake level.

Stephen Ng Qui Sang: As it's filling, would the water tables North of it drop?

Walter Heyden: There won't be any change to our injection rates regardless of what we pump. Whatever comes out of the walls of the quarry will land on the floor and stay there. To work in the Quarry, water gets pumped to the reservoir. From the reservoir it pumps back in to the wells. When it's finished the reservoir will fill the other lakes. The reservoir will still have sufficient capacity to keep some water.

Nancy Tilt: The reservoir and the lakes will eventually reach equilibrium?

Walter Heyden: Yes.

Marion McMeeken: Will the aquifer remain healthy? Will any of this pumping now or in the future affect its health? I have to change the filters on my well every 3 months as opposed to once a year. Is that because of the shaking?

Walter Heyden: Water at each injection well is monitored for factors that can affect quality. We ensure that the quality remains unchanged. Russ measures the quality for homeowners who allow us to do it. We take action depending on what the homeowners allow us to do. We have a large number of homeowners on the program.

Nancy Mott: And they produce an annual monitoring report every year.

Walter Heyden: The sampling point, pre or post treatment depends on the homeowner. We have data going back to wells before any extraction took place – even into the 80s. All information is available online.

Nancy Mott: There is an executive summary!

Janice Vansco: When it's all extracted, what happens to the operations and the buildings?

Walter Heyden: The property ownership along the West side is turned over to Conservation Halton for rehabilitation. The southeast section is still in Dufferin's hands, but in order to surrender the license, it has to be rehabilitated.

Colin Best: Basically landscaping to turn it into a park.

Janice Vansco: Town Line Road will stay right?

Walter Heyden: Yes it will stay. It's up to the town whether they decide to reopen or not.

Stephen Ng Qui Sang: So blasting finishes in 8 years and then what?

Walter Heyden: We're hesitant to give timeline. I don't want to guarantee 8 years. Production capacity varies as the lifespan of the quarry evolves. These are substantial projects that can't fully be anticipated.

Colin Best: Quarry Park lasted for almost 10 years after extraction before it was rehabilitated.

Sandy Martin: So give or take at least 15 years?

Walter Heyden: Roughly that, though I don't know what type of hurdles we'll face. The conservation authorities also have to walk the line of land use for recreation, nature and water use.

Marion McMeeken: What about when Holcim joined forces with Lafarge? Will the designations going forward protect us from extraction?

Walter Heyden: The Holcim and Lafarge merger means we have no ownership of that property.

With no other questions, Morgan Murphy opens the floor to general discussion.

Marion McMeeken: The visit to my home on Monday November 16th by Joe Cahoon, regarding structural cracks, I haven't received a report.

Walter Heyden: The report was mailed today and we'll be happy to over it with you if you have any questions.

Colin Best: Question from Shelly Varley: she sees a lot of trucks sitting on her corner at 5am in the morning and it's very difficult to get out of her driveway some mornings. She's wondering about the security team.

Walter Heyden: As far as I know security is ongoing, but let me find the right answer. I'll send you an email as to details of the enforcement program.

Colin Best: Another update, Public Works budget is getting to the next stage of extending James Parkway to change the route of the trucks allowing them to use James Snow. The main road interchange won't be finished until 2019.

Stephen Ng Qui Sang: I have an issue. Back on November 2nd, we could hear the quarry from 15th side road. We can hear rocks getting dropped in the truck. Walter did respond back by email. Second time it went until 1:30am and kept my wife and me up. Walter responded as well but this is impacting our homes and our ability to sleep. I know you've taken steps, but how can we ensure that it stays quiet? I do want to emphasize Walter has been taking action and responding.

Walter Heyden: There are a lot of factors that affects how noise travels including weather. Internally there are things we do when it's louder than usual, but some things take a longer period of time to address. We need to figure out whether we can change the direction of our mining to use the walls of the quarry as a natural barrier. The more we get feedback, that helps us to access whether we need to adapt, but we may need to get to some form of monitoring to understand where the noise is coming from to link it to atmospheric conditions.

Sandy Martin: What happens at midnight?

Walter Heyden: The loading happens until about 2 am.

Stephen Ng Qui Sang: You can fully hear the machines operating, loading, and then you can fully hear it stop. These are all brand-new windows we have too.

Janice Vansco: We're close to you and we don't hear it, that's bizarre.

Nancy Mott: How does the license work?

Walter Heyden: The site plans allow for 24 hour a day operations with exception of Statutory Holidays. The crossing agreement allows us to run 6am Monday to 12am Saturday for production equipment. Essentially it is a 24-hour operation Monday to Friday. If it continues to be a problem we'll figure out how we can monitor it from the property.

Marion McMeeken: You can run your operation all the time?

Walter Heyden: We're allowed to but we only go until about 1:30am, and that's typically in the summer but right now we're basically only in day shift until March.

Marion McMeeken: Rubber mats, which of the quarry's under this company has rubber mats?

Walter Heyden: No trucks at Dufferin are utilizing them.

Marion McMeeken: This was discussed at some point.

Morgan Murphy closes this part of the agenda.

Morgan Murphy proposes March 2, 2016 and June 1, 2016 as the next two meeting dates.

Morgan Murphy: We're open to agenda items and topics. In the spirit of the New Year, I suggest we do a review of our terms of reference, including attendance and guest policies.

Walter Heyden: Terms of reference would be a CAP members only meeting for us to decide. We can propose a 2016 production plan presentation. We could also organize a "who is CRH" presentation.

Morgan Murphy: We could also explore the idea of a tour in June.

Marion McMeeken: Any update on the NEC?

Nancy Mott: The plan has been delayed thus far. When it comes out you will see more detail. We'll be in a better position to know more by the next meeting.

Agenda Items for Next Meeting:

- 1) Review of terms of reference (in camera)
- 2) "Who is CRH" presentation
- 3) NEC Plan Review Update
- 4) CAP field trip to quarry [for Spring or Summer]

Morgan Murphy: Meeting formally adjourned