



**Dufferin Aggregates Acton Quarry  
Community Advisory Panel (CAP)  
Meeting Minutes**

<b>Date:</b>	Monday November 6, 2017, 7pm – 8:30pm	
<b>Location:</b>	Acton Quarry Office, 12791 Churchill Road South RR #4, Acton	
<b>Chair:</b>	Corey Michaels	Smithcom Limited
<b>Participants:</b>	Norm Elliott Paul Vanhanen Rigoberto Ceballos Shawna McNabb Doris Treleaven	Local Neighbour Bruce Trail Conservancy Dufferin Aggregates Dufferin Aggregates POWER
<b>Presenters:</b>	Richard Murphy	GHD
<b>Minutes:</b>	Paula Daidone	Smithcom Limited
<b>Guests:</b>	Odette Palis	Dufferin Aggregates
<b>Regrets:</b>	Monica Gunn Ron Heller Sheena Switzer	Local Neighbour Acton East Housing Corp Acton BIA manager

**Minutes**

Corey Michaels called the meeting to order at 7:05 pm.

First item on the agenda is to review the minutes from the April 19, 2017 meeting.

**Norm Elliott** motioned to approve.

**Paul Vanhanen** seconded the motion. Minutes approved.

**Introductions**

**Rigoberto** introduced Odette Palis, site superintendent and Richard Murphy from GHD to the CAP.

## **Update on Water Management System – Richard Murphy**

[Please refer to attached presentation for content of update]

### **Q&A on Presentation:**

**Doris:** Is this [water management system] all for new issues or is it dealing with past issues?

**Richard:** New issues. To our knowledge the past issues have already been dealt with.

**Norm:** I have a question: how do the lakes stay separate from the reservoirs?

**Richard:** There will be some leakage coming through. In between the areas, the ground will be left. But in the setback areas, which will be about 90-100 meters wide, there will be some leakage. Part of the function of the pumping station is to level the lake up.

Water can be pumped into the lake to level water up but it can also be discharged into the reservoir. That way, water can be discharged into the Creek to the south, and this channel would be take water up to Black Creek.

**Doris:** At this point it's not going through? And in the future, it will be high enough that will feed the creek?

**Richard:** There's a little channel from the side that can overflow.

**Paul:** Why is the water level on the map in yellow rather than green?

**Richard:** On the bar here that goes across, it's immediate, to 1 week, to 4 weeks, to 8 weeks, then we are required to cease extraction.

**Rigoberto:** The optimal condition in the green, and when you are in the yellow you have a timeline to try to fix the issue before you resume working.

**Paul:** What level does the water have to be before you hit yellow?

**Richard:** One centimeter; one standard deviation.

**Doris:** How does this even come about? Are there alarms? Do people check the books so often?

**Richard:** Both. There are various conditions that will send out an alarm to the operator. We have a full-time operator working at the Milton site, and his alarms will go off if there's a critical condition. Besides that, the data is being checked daily to see if anything is out of the ordinary, we will know very quickly if the water levels falls below the AMP.

**Doris:** What about the quality of the water? If that inspection only happens once a month for quality of the water, then the graph falls out.

**Richard:** The graph measures water level, but more ground water than surface water. It's a pretty close mimic to ground water quality but in terms of monitoring, the thing to be concerned about in a quarry area with solids and fuels and hydrocarbons. If those leak, you see them on an operational basis as soon as they happen and they are dealt with well before they show up in the water.

**Doris:** When you do the blasting there are chemicals involved in the blasting and if you are pumping that water into ground water, are you not contaminating it?

**Richard:** The blast is designed to consume material so there's very little residue left.

**Doris:** Can it be removed?

**Richard:** It's removed naturally. There can be low levels of ammonia left in the water, whether is from blasting, agricultural is the biggest source of ammonia. We monitor and levels are far away from what would be concerned.

**Doris:** What about rehabilitation of other sites? Are there any plans to rehabilitate and remove invasive plants?

**Richard:** I don't know full details on the plants.

**Norm:** To what extent are the recharge wells at? What stage are you at right now, are you starting on those wells?

**Richard:** We are in the process of building the water management systems related to recharge and operating, and putting water in to make sure they behave as intended.

**Norm:** What are those red circles [on the map]?

**Richard:** The brown dots are the water levels of the wells. It's a little hard to see but there's an orange shade on the map - that's the area where the wells are being built. It's being landformed, and trees will be planted up there.

**Doris:** The water direction, if you are pumping up there, does it show where it's going through?

**Richard:** If you look in the annual reports you can see water is moving from west to east, then it's splitting and going up north. Ground water is going towards Black Creek to the north. Phase 1 in the quarry has been excavated so the recharge well is going basically on top of the ground water, pushing ground water north towards Black Creek.

**Doris:** I still don't see how it's going to work, if the water is pushing through. Are there ponds that you are trying to keep moist?

**Richard:** There is a series of wetland pools, dug out ponds. The water levels in those will be maintained by diffused discharges. A couple of them are permanent pools. This is all below ground, similar to what we have in the Milton quarry.

**Norm:** At the moment, the grey area, those recharge wells, are we talking years before that can be extracted? What is the production expectation?

**Rigoberto:** The wells are in place.

**Richard:** We know the influence from the extraction goes hundreds of meters so we need these wells in place ahead of time. It's all there before we start working and before Rigo can start working.

**Rigoberto:** For phase 4 we are planning to start next year, 2018.

**Paul:** What about phases 5 and 6?

**Rigoberto:** Phase 4 needs to be completed before we can start phases 5 and 6.

**Doris:** Are you already draining that lake?

**Rigoberto:** Yes, it has already been drained.

**Corey:** Richard, thank you for your presentation. We will move on to an update from Rigoberto.

### **Update on Operations – Rigoberto Cellabos**

**Rigoberto:** I have a little bit of an update on 2017 operational activity. We are still working, planning to stop in the middle of November. This year we were able to reach 11 years with no LTI, which is a important milestone. CRH is focused on safety and engagement. CRH did a safety opinion survey and they results revelead employees would like to be more involved and get training in specific safety and operational topics. On September 30<sup>th</sup> we had our open house with nearly 250 attendees, great turnout.

**Paul:** Isn't the overburden too soft?

**Rigoberto:** No, it's like sand material. As part of the requirements of the site preparation, basically what Richard was saying. The pumphouse is being built, all the foundations are done, we are working through the exterior of the building and interior details, and finishing installation of mechanical and electric.

**Paul:** Are there intake filters so fish don't get stuck?

**Rigoberto:** The filters are made with stainless steel.

**Richard:** The intake is about three sizes of this room. It's designed to take the maximum flow rate and not have a velocity through the screen allowing fish to escape. It ends up being this huge thing, but fish don't get trapped against the screen.

**Doris:** How do these fish get in there?

**Rigoberto:** Nature takes care of that!

**Rigoberto:** You can see the road improvement on Third Line, we have a contractor that is going to work in that section. As Richard as mentioned with the AMP, we saw the chronological elements of the site plan. The physical element is to install trees. Those trees are already planted and I encourage you to drive around and see them.

This area is part of the extraction, basically we are building a grassland, so we can encourage the birds to use the area as their habitat. These grasslands are being created in the next year at the specific time where all ecological activities occur.

**Doris:** Why are the lights on at night? Are your hours up until night or do you pass daylight areas? Do you guys work until midnight?

**Rigoberto:** Right now we are not, but we are allowed to operate the site until midnight and there can be maintenance after midnight, so we need the lights for our employees to work. We can for sure have a look.

**Shawna:** It could be attributed to the fact that the LED lighting now used is a much brighter source of lighting.

**Rigoberto:** Specifically with this pond, Dufferin was nominated for three awards for the work that was done in the pond. Awareness and community engagement project, reptiles and amphibians, project wetlands and waterbodies project award.

**Corey:** Are there any further questions for Rigoberto?

**Norm:** I noticed there is truck traffic inspection on Maple Avenue in Georgetown. Did that just come up last month or has it been there for sometime?

**Rigoberto:** One of our licensing requirements was to install a truck inspection system to make sure truck drivers weren't crossing Maple Avenue. We installed the system back in May or June. What the system does is take picture of the license plate of all the trucks driving over Maple Avenue, and matches those with license plates that left the Acton quarry. Infraction notification comes to our distribution group and they bring the issue to the

driver and hauler companies. If the infraction continues, the drivers and companies can be suspended.

**Paul:** Are they not supposed to drive on Maple Avenue?

**Rigoberto:** They have to turn south on Trafalgar, unless they are going to Georgetown.

**Norm:** This program has been in place for sometime right?

**Rigoberto:** It's been there since July.

**Corey:** Moving into open discussion, does anyone have any questions that we haven't discussed yet? The last item in our agenda are reviewing and approving the terms of reference. If there's no discussion on that, would we be interested in approving today's terms of reference. The current one was established in 2008.

**Norm:** The only thing I'm confused about is the quorum. I don't want to be problematic but I'm not sure whether the quorum is represented by whom. If there was only two of us, would we still be the quorum? Does this constitute a quorum? Would you guys go ahead if there was only one person here from the public?

**Corey:** The membership right now is 7. At the current membership level you would need 4 people for quorum, which includes Shawna and Rigoberto.

**Doris** motioned to amend and approve the draft Terms of Reference with a clause requiring two non-Dufferin Aggregates members of the CAP to be present for quorum.

**Paul** seconded the motion.

Motion adopted by the committee.

**Corey:** We will distribute the revised terms of reference with the minutes following the meeting.

**Norm** motions to remove Monica from the committee pursuant to the revised Terms of Reference for failure to attend three consecutive meetings.

**Paul** seconded the motion.

Motion adopted by the committee.

**Corey:** Final item in the agenda is setting up another time for next meeting.

**Norm:** Last time we met in November, we met again in April. Do we want to do that again? I suggest an April meeting and the chair can communicate with the CAP in late March to select an appropriate date in April.

**Corey:** If the committee is in agreement, we will plan for an April meeting. Seeing no further comments, can I have a motion to adjourn?

**Norm** motioned to adjourn.

Meeting adjourned at 8:53 pm.