

**Dufferin Aggregates
Teedon Pit Community
Liaison Committee Meeting
Minutes**



Date:	Tuesday, June 19	6:30pm – 8:30pm
Location:	Wyebridge Community Centre, 8340 County Rd 93, Tiny, ON	
Chair:	John Matheson	StrategyCorp
Participants:	Richard Hinton	Tiny Township City Councillor
	David Barkey	Local Neighbour
	Jenny Anderson	Local Neighbour
	Christopher Williams	Local Neighbour
	Judith Grant	Federation of Tiny Township Shoreline Associations
	Kevin Mitchell	CRH Canada Group, Inc.
	Jessica Ferri	CRH Canada Group, Inc.
	Mohamed Mousa	Dufferin Aggregates
Minutes:	Alicia Sinclair	StrategyCorp
Regrets:	Jessica Campatelli	Local Neighbour
	Richard Erdmann	Dufferin Aggregates
Guests:	Bonnie Pauze	Local Neighbour
	Janet Bherer	Dufferin Aggregates
	Melanie Teitler	Dufferin Aggregates

Approval of the Minutes

- The facilitator inquired into to the general satisfaction of the minutes. Participants noted general satisfaction with the format, subject to a recognition of the inherent limitations of minutes compared to a full transcript. The facilitator indicated that they would be pleased to take direction at any time during meetings from participants who wanted to ensure that specific matters were recorded in the minutes. The group also agreed that members may record meetings.
- The CLC approved the minutes from April 3 with two changes proposed by Dufferin Aggregates:
 - Steffen Walma to be noted as Councillor Hinton’s alternate.
 - The number of homes surveyed in Dufferin Aggregates’ survey changed from 76 to 78.

Introductions

- The CLC welcomed guests Bonnie Pauze, local neighbor; Janet Bherer, presenting on behalf of Dufferin Aggregates on traffic and operations issues concerning Dufferin Aggregates and Teedon Pit; and Melanie Teitler, presenting on behalf of Dufferin Aggregates on traffic and operations issues concerning Dufferin Aggregates and Teedon Pit.

Teedon Pit Operations Update

Through the course of their presentation on their operations update on slide 3 of their “Teedon Pit – CLC Meeting #3 June 19, 2018” presentation, Dufferin representatives explained the following:

- **Re: Operations**
 - There is a crushing plant and a washing plant in the licensed pit, which are currently sitting next to one another.
 - The patterns of excavations will lower the floor over the next year by 4-5 metres, so future operations will take place in a lower part of the pit, which they hope will help with the noise concerns. The floor will still sit above 40 metres above the aquifer.
 - There are 3-4 operators in the pit, who begin operations at 7am.
 - They plan to extract until November and will continue to ship so long as there are customer orders.
- **Re: Noise and Vibrations**
 - Some participants were concerned about noise traveling through the valley that runs northeast from the pit. Dufferin agreed to hiring a noise specialist to study how the topography relates to the noise from operations.
 - Some participants noted that the noise, vibration, and dust concerns have been substantially better and thanked Dufferin for taking action.
 - Some participants observed that in their experience, silt in water filters were worse when they felt vibrations and improved when vibrations ceased.
- **Re: Dust Suppression**
 - Dufferin explained that they use calcium in addition to water to suppress dust on the pavement but not in the pit.
- **Re: Hours of Operation**
 - Some participants raised concerns that they Dufferin’s operations were commencing before the 7am start time. They noted that they heard beeping noises, but they did not seem to be a standard reverse beeping, and they were inconsistent. Dufferin noted that they it might be the reverse alarms from the excavating trucks that they rent, and some participants suggested that it may be from the generator; however, Dufferin noted the generator sits low in the pit.
- **Re: A Berm for Noise Attenuation**
 - Some participants suggested building a berm in the north valley to help with the noise, and Dufferin said they would look into it, but they may need a site plan amendment to do so.

PTTW Renewal Update

Through the course of their presentation on their permit to take water update on slides 4-6 of their “Teedon Pit – CLC Meeting #3 June 19, 2018” presentation, Dufferin representatives explained the following:

- **Re: Wells on the Site**

- Referencing slides 4-5, there are both high and low wells over the whole site, and they pointed to two monitoring wells on slide 4 that have recently been added on the Sibthorpe extension site as well, providing them more coverage to monitor water and collect data. Dufferin representatives noted that they have no plans to drill further wells at this time. They are going to continue to take water to process the aggregates.
- Some participants thanked Dufferin for putting in monitoring wells.
- **Re: Well 8**
 - Dufferin agreed to report back on data from Well 8.
- **Re: Turbidity Monitoring**
 - Dufferin explained that there are currently no turbidity meters on the wells, and some participants raised concerns over this. Dufferin explained that GHD, their hydrogeologist consultant, said that a number of factors can cause turbidity, but Dufferin said that GHD will present at the next meeting to discuss the porosity of the ground. There was disagreement between some participants and Dufferin on how far turbidity can move. The group noted that turbidity was a concern for them, and Dufferin said that they would look into turbidity monitoring. Dufferin noted that they currently study the chemistry of the water, but not the turbidity.
- **Re: Soil Composition**
 - Referring to slides 5-6, Dufferin representatives noted that they drilled wells to better understand the nature of the soil around the sump pond, which sits at 260M above sea level. They found that the area around the wells contains 30M of naturally occurring fine materials that help contain water in the pond. Though the settling ponds are on a higher elevation than the sump pond and though they flow to the sump pond, the fine materials from the settling pond are not moving. They believe, with confidence, that the sump pond is not leaking water due to consistent water levels from last fall to this spring.
- **Re: Ruland Report and Fine Materials Traveling through the Aquifer**
 - Dufferin representatives explained that Wilf Ruland believes that the water leaks through the holding ponds with the fine materials in it and travels due north, impacting the water filters of local neighbours. However, Dufferin disagrees with this theory due to concerns about the water with fine materials travelling through fines composed of the same materials.
 - Some participants asked if there is a permeability in the aquifer that we previously did not understand. Dufferin representatives explained the permeability near the aquifer appears to be consistent with geology.
- **Re: Number of Aquifers**
 - Referring to slide 5, Dufferin reported that they believe there are three aquifers in the area of the pit. Though they know that two of the deep aquifers sit at the same elevation level, there is a third aquifer that sits at an elevation 20M higher, and they believe it might be sitting on a water table divide. They noted that they are extracting +/- 45M of depth.
 - Dufferin representatives explained that they are trying to determine why some local neighbours' aquifers are only 4M below, while Dufferin's aquifers are much deeper.
 - Some participants noted that the MOECC stated that there are 4 aquifers in the area of the pit. Dufferin noted that may be true but that the 4th aquifer is likely much deeper.
- **Re: Vibrations**
 - Dufferin noted that they do not blast at this pit, so any instances of ground

shaking may be coming from other sources, such as trucks passing by. Some participants noted that perhaps vibration is being channeled in the ground through the clay, but Dufferin noted that the clay layers are inconsistent.

- **Re: Flocculants**
 - Dufferin explained that the company does not use flocculants in any of their operations.
- **Re: Concerns Regarding Recycling of Asphalt**
 - Participants raised concerns about the holding of asphalt on the site due to the impact that asphalt can have on water.
- **Re: Relationship between Operations and Groundwater in Surrounding Areas**
 - Participants noted that they were concerned the well due north of the pond because when Dufferin pumps water, the swamp areas near the wells dry up. Dufferin explained that those wells are not artisan and that they are capped. They also explained that do not cap wells that are not under pressure.

With regards to water, participants noted that their primary concerns are:

- Turbidity levels in the water;
- The direction of the groundwater movement;
- Correlation between surface water levels north of the pit and pit operations; and
- The holding of asphalt on the site.

Teedon Pit Traffic and Logistics Update

- Through the course of their presentation on their traffic update on slides 7-10 of their “Teedon Pit – CLC Meeting #3 June 19, 2018” presentation, Dufferin representatives explained the following:
 - **Re: Trucking**
 - Dufferin representatives presented on traffic and logistics for Teedon Pit and Dufferin broadly. They explained that Dufferin broadly they do not does not own their own haul trucks but, instead, either contracts out trucking (25%-50% of trucking companies) or allows customers to use their own trucking (50%-75% of trucking companies). For Teedon Pit, 5 trucking companies are contracted by Dufferin, and 5 are from customers.
 - **Re: Safety and Enforcement**
 - They explained the safety requirements and onboarding processes required to work with Dufferin and that Dufferin takes infractions very seriously with the potential to be suspended for repeat offenders. Teedon Pit has had a lot of trucking issues over the last 6 months, but there have been no repeat offenders.
 - Referencing slide 7, Dufferin explained that in order to partner with local trucking companies:
 - All vendors must meet safety requirements
 - All vendors must receive annual orientation
 - All vendors are expected to communicate safety messages to all drivers
 - All infractions are logged and investigated
 - First time offenders are warned
 - Repeating offenders are progressively disciplined up to and including suspension of DFA delivery services
 - Vendors that have more than 3 infractions in a 30 day period are required to provide an action plan to improve
 - Dufferin explained that suspensions are for both the driver and the vehicle, making an infraction a significant economic penalty.

- Referencing slide 8-9, Dufferin provided a summary of actions taken in response to various incidents traffic and a summary of monitoring from 3 dates near Teedon Pit.
 - In response to speed, Dufferin has:
 - Investigated
 - Sent communications to drivers
 - Monitored
 - Sent letters
 - Sent emails
 - In response to two-way traffic issues, Dufferin has:
 - Investigated
 - Implemented enforcement
 - In response to Darby Road Truck route concerns, Dufferin has:
 - Requested signage
 - Sent letters
 - Sent emails
 - Sent communications to drivers
 - In response to Early Arrival concerns, Dufferin has:
 - Investigated
 - Sent communications to haulers and customers
 - Placed new signage
- **Re: Five Remedial Steps to Improve Darby Road**
 - Dufferin also noted that they will take five remedial steps to improving Darby Road, including:
 - Looking into into straightening out the s-curve;
 - Widening Darby Road;
 - Adding a shoulder;
 - Making it a community zone; and
 - Working with the township to determine proper entrance and exits to help with traffic concerns on Darby Road. They noted coming onto Darby Road from the north end off ON-93 is problematic due to the s-curve, but they stated that online directions may be advising drivers that way.
- **Re: Considering an Alternate Route**
 - Some participants inquired about whether or not Dufferin could build a road north of the Sibthorpe site, but Dufferin noted that they cannot build a road due to environmental concerns. They also noted that though they bought the site from Beamish with the intention to extend the pit, they may not submit a license in this area due to these environmental concerns. Some participants thanked them for this transparency.
 - Participants noted that local community would not be satisfied and would pursue a petition that would prevent Dufferin from using the Darby Road site. Dufferin appreciated the position but is unable to propose an alternate route that would not have similar consequences on other local residents. Resident indicated they would be putting a petition forward, and Dufferin indicated that it would welcome the dialogue but was optimistic that the proposed actions would help improve the situation.
- **Re: Paid Duty Enforcement**
 - Dufferin said that they are in the process of working with the township to place a paid-duty officer of the Ontario Provincial Police (OPP) officer near the site to help with traffic concerns. Additionally, they said they would propose, to the

township, lowering the speed limit to 40kmh and doubling fines near the site. Furthermore, Dufferin and the township are working to arrange for a paid duty OPP officer.

Additional Questions

- At the end of the meeting, StrategyCorp requested any additional questions that should be added to the issue tracker. Participants noted the following concerns:
 - They want data taken from monitoring the levels of the wash pond to be presented at every meeting.
 - They believe there is a tenuous relationship between the amount of water being pumped into the source pond and the pond water levels. They want more research done on the potential of underground waterways.

Next Meeting

- The next meeting will take place on Wednesday, August 15, 2018 from 6:30 – 8:30pm with the potential for a backup date of Wednesday, August 8, 2018 from 6:30 – 8:30pm.