

**GFL COMMUNITY LIAISON COMMITTEE MEETING**  
Monday September 18, 2023  
**VIA TEAMS MEETING**  
6:00 pm

**MINUTES**

**ATTENDEES:**

**Members:** Chris Hagg (CH), *Community Representative*  
David Schoenholz (DS), *Community Representative*  
Dinesh Fernando (DF), *Community Representative*  
Councillor Brad Clark (BC), *Ward 9 Councillor, City of Hamilton*  
Councillor Jeff Beattie (JB), *Ward 10 Councillor, City of Hamilton*  
Ellen Warling (EW), *Manager, Planning, Accommodations & Rentals – H.W.D.S.B.*  
Michael Durst (MD), *Supervisor, Ministry of the Environment, Conservation and Parks*  
Lorenzo Alfano (LA), *District Manager, GFL Environmental,*

**Regrets:** Jeff Isowa (JI), *Community Representative*  
Vince Ramelli (VR), *Manager of Real Estate, Community Partnerships & Transportation – H.W.C.D.S.B.*

**Moderator:** Katrina McCullough, *Community Engagement Specialist & Facilitator, GHD Limited*

**Assisted By:** Kim Bailey

**\*\*NOTE: Software was used to generate the transcript and as a result there may be some discrepancies between what was said and how it was captured in the minutes.**

**1. Welcome, Advice on Public Delegations for Consideration**

Kim Bailey welcomed the committee members as well as guests who were in attendance. Kim introduced this evening moderator, Katrina McCullough from GHD Limited and welcomed the CLC's newest community member Mr. Dinesh Fernando.

Since the departure of the former chair, it is time to vote a new chair for the CLC. At this time there was no interest from the three community members present, therefore it was agreed to defer this item for the December CLC meeting.

No deletions to the agenda but added item #6 Public Participation. Katrina then asked the CLC members if they agree to the addition as well as having her moderate the meeting, all members gave a thumbs up in agreement.

## **2. Matters Arising from June 2023 Meeting:**

***Discuss results from search of new community representative:*** The CLC members interviewed Mr. Dinesh Fernando who was the only candidate interested in the position. The members felt Mr. Fernando would be a good fit and agreed to invite him to join the CLC.

## **3. Site Update:**

### **Quarterly Update of Operational Activities at the Landfill:**

Construction activity during the three-month period: GFL is currently conducting cell liner construction at the landfill site.

### **Review of Monitoring: Particulate Matter (PM10)**

June 2023 – 4 MECP 1 HR average exceedances and 3 daily average exceedances.

June exceedances due to:

- June 1<sup>st</sup> due to regional events, low wind speed and stagnant air mass. June 5<sup>th</sup> & 6<sup>th</sup> due to regional event and the wildfire smoke.

July 2023 – 7 MECP 1 HR average exceedances and 0 daily average exceedances

July exceedances due to:

- July 6<sup>th</sup>, 24<sup>th</sup> & 26<sup>th</sup> due to facility activity a contributing factor (landfill construction activity).

August 2023 – 1 MECP 1 HR average exceedances and 0 daily average exceedances

August exceedances due to:

- August 9<sup>th</sup> due to facility activity a contributing factor (landfill construction activity).

### **Review of Complaints:**

During the past quarter the site received 27 complaints.

***June 16<sup>th</sup>*** - Odour due to construction activity, waste relocation in preparation for liner construction.

***June 19<sup>th</sup>*** - Odour due to construction activity, waste relocation in preparation for liner construction.

***June 21<sup>st</sup> & 22<sup>nd</sup>*** - Odour due to pooled water on the active tipping face.

***June 25<sup>th</sup>*** - Odour investigation determined the landfill not to be the source.

***GFL consulted MECP prior to activity and notified residents of potential for temporary odour during waste relocation.***

***July*** – 7 odour complaints that GFL received directly.

***August*** – 15 odour complaint that GFL received directly.

All odour complaint throughout July and August were due to the leachate issue

### **Status of Applications Pending with the MECP:**

No applications pending.

### **Heritage Green Community Trust Activities Update:**

The Heritage Green Community Trust has been on hiatus over the summer. The Trust is scheduled to meet next Monday to review possible funding opportunities.

#### **4. New Business:**

***Response to questions received from Mr. Wes Connor:*** Mr. Connor submitted three questions to the CLC, two questions were a follow up from the June CLC meeting, the third was in relation to landfill contours in the 2022 Annual Monitoring Report as well as relocation of waste within the landfill. Brian Dermody from GHD Limited addressed Mr. Connor's concerns, the written responses will be attached to the minutes and posted on-line as well as at the Valley Park Library. The 2022 Annual Report can be found at the Valley Park Library on a USB stick. GFL is still working on uploading the document on the facility's website.

Mr. Alfano started by saying how the community has been talking about the odour issues that were first identified on July 18<sup>th</sup>, staff investigated and found the issues to be related to the leachate management system. Brian Dermody, Environmental Engineer, GHD Limited gave general background on the landfill, leachate what it is and where it derives from. He reiterated the landfill only accepts solid non-hazardous waste from industrial commercial sources. The leachate in essence is any precipitation that percolates through the waste and picks up any soluble materials which are collected. Mr. Dermody showed a cross section of the landfill and how leachate is collected. Mr. Alfano showed a map of both the West (closed) and East (open) Landfill sites showing the areas with several wells GFL staff monitors throughout the year. Mr. Dermody added it is primarily surface water and groundwater that is being monitored with many additional locations that are not shown on this map. All of these known sampling locations are reported annually in the monitoring reports. The majority of the leachate is from the East (open) landfill. There is a low point within the landfill adjacent to Upper Centennial where the leachate drains, this is where it is pumped and treated before going across to the equalization pond located at the West (closed) landfill. From this pond the leachate is discharged into the sanitary sewer system.

Mr. Alfano brought up GFL's actions to address the odour issues. Discussions with the MECP and the City of Hamilton which include shutting down the pumping operations. A new treatment process was introduced and was making progress and continued to monitor the effectiveness and adjust on a daily basis. Vapour deodorizers were placed around the site to help minimize odour impacts on the community. Actions to remove as much of the leachate as possible from the site by pumping treated leachate and trucking off site to a third-party process facility. Currently GFL continues to monitor the effectiveness of the treatment system as we continue to pump and truck leachate off-site which is a necessary step in reducing the odour. GFL is working on implementation of additional solutions to reduce odours which is to cover the exposed leachate. Long term leachate management solution in consultation with the MECP and the City of Hamilton as well as posting updates on the CLC website. If residents have questions

or concerns, they can call our facility at the number posted at our entrances as well as reporting to the MECP. All complaints are investigated and reported to the MECP and reported quarterly at each CLC meeting and documented in the Annual Report.

The CLC meets quarterly with the next meeting scheduled for Monday December 4, 2023, at 6:00 pm via TEAMS. Residents are encouraged to submit a request to appear as a delegation should they have questions.

Councillor Clark asked Mr. Alfano asked “the notification that was sent to the residence about the occasional odour due to the construction work that will be undertaken for the new cell, that wasn’t a warning about leachate odours that was a warning there would be odours from the work at the landfill” Mr. Alfano agreed this, this was for construction activity. Councillor Clark said “the leachate is separate from the cell liner? Has construction of the cell liner been stopped?” GFL is still in the middle of construction but is currently removing leachate right now. Councillor Clark said “so the primary source of the odours, has been the company’s position that it is the leachate. There is no change of odours coming off the materials on the top of the landfill?” Mr. Alfano said that is correct, it is leachate based. Councillor Clark asked again “there is no chance of odours coming off the material placed at the top of the landfill?” Lorenzo reiterated; no its leachate based.

#### **5. Determination of Agenda Items for December 2023 CLC Meeting:**

- Vote on the Chair position

#### **6. Public Participation:**

Before opening the floor to the public Katrina McCullough went over the protocols for people to ask questions as well as reminder of a zero tolerance for rude or abusive behaviour.

**Paul Supers (PS):** Hi everyone, I have a question regarding the vapour deodorizers, what material is it made of since it’s been pumped out quite a bit in the last few days.

**Katrina McCullough (KM):** What material is the vapour deodorizer made from?

**Lorenzo Alfano (LA):** I am not sure I would have to ask the consultant, I do know it has a bubble gum odour, that’s it.

**KM:** So next I’m going to go to Liz.

**Liz Roediger (LR):** I just was curious to know who is GHZ?

**KM:** GHD. Both myself and Brian Dermody work for GHD, we are an engineering and environmental consulting company.

**LR:** So, you are directly involved with the smells issue right now?

**KM:** I’m not involved, I’m not an engineer I’m a stakeholder engagement management specialist. My colleague Brian is involved.

**LR:** Ok, so that’s where the potential solutions are coming from for the odour issue. There was a reference to a consultant so I’m just trying to connect dots.

**KM:** Lorenzo when you referenced a consultant, were you referring to GHD?

**LA:** Absolutely, yes.

**LR:** Thank you. I was wondering why the odours are so common at night? Often times I've left the windows open to get fresh air for my family and it is concentrated inside of our house to the point where you can taste it. Its quite awful. Can you explain why that's happening overnight and also why there seems to be some activity at the site overnight? I mean its been observed by residents in the community that there's trucks, lights all different kinds of activity overnight.

**LA:** Yes your question is very valid. The impacts of the odours are a little stronger at night. The temperature, wind speed, wind direction, and the sun can all impact the level of the odours in the evening. The odours might be a little higher because the air is moving less, atmospheric pressure tends to have cooler nights. Yes there are trucks at the site they are pick up trucks. Ministry vehicles are also on site and we are monitoring the site continuously as pumping activity goes around the clock.

**LR:** So there's nothing that's happening at night that's contributing to the smells being so much worse because it feels like its almost to the dot to a certain time at night. All of a sudden boof it hits you right in the face.

**LA:** Absolutely not. No there is nothing happening at night to cause the odours to be worse at night, no.

**LR:** Ok. Why was this issue not foreseen? How is it that this wasn't anticipated and therefore prevented so we wouldn't be in this situation?

**LA:** This has never occurred to this location, this is the first.

**LR:** So what's that, what's not occurred before?

**LA:** We have never had this issue with our leachate in the past.

**LR:** Ok, so is this like a malfunction? Like what's behind the issue?

**LA:** There were quite a few issues involved with it. There was quite a bit of precipitation that hit during that time. We did have some issues with our system that caused us to be down for a period of time and we couldn't pump during that time. So the build up occurred and the actual quality of the leachate turned to a point where our current system was unable to manage it so we immediately turned to attempts with the engineering firm and consultants to work on a new system to mitigate these odours as quickly as possible.

**LR:** Ok. I just wanted to go on the record that I've been smelling this stuff since June and it was a couple of times actually before I thought to actually reach out to our Councillor Brad Clark to ask the question of what is going on in our neighbourhood that smells so bad and also, you know, I'm again not that close. I know some people have been experiencing this pretty much 24/7, even in my neighbourhood even as far as the last night we were smelling it. So I understand that there are some solutions that are being put into place but its really not working, so I just wanted to make sure that was on the record. What is the composition of the odours and what testing is being done to determine what the composition is?

**Brian Dermody (BD):** This is something we are actively looking at right now. I understand the ministry has done monitoring and shared preliminary results so I understand those might be shared more broadly as well at some point. We are conducting our own monitoring so basically it's the leachate in the atmosphere that you are smelling so that could be from sulphur compounds or ammonia primarily. We are looking at ways to address those in the leachate before they are able to be emitted to the atmosphere but also confirming all of that through the ongoing monitoring and sampling program.

**LR:** Ok, I just have smelled Sulphur and ammonia before and it doesn't smell like this. This smells very industrial, It smells like I'm walking into DOFASCO and you know right in the heart of whatever it is that they do, there is in my home. It's pretty upsetting. So the testing

is going to be very specific and detailed as far as what was being detected at the time of the odours when the odours were at their strongest.

**BD:** Correct. Odours are interesting in that they are fleeting, sometimes if you get a report we go in and monitor at that location there is nothing left of it. So constantly depending on the time of day and different locations and the environmental conditions. Gradually we're building up the data to be able to understand the issue in its entirety but the primary solution right now is to get rid of the leachate on site that's standing through treatment and disposal.

**LR:** So if there's, you know solutions being presented implemented its not working. Is there just going to be a cycle of new solutions being presented and implemented? Is that the approach here is that we're just going to keep trying for something new each time something doesn't work because at this point it sounds like there's these solutions that are currently in place have been have been ongoing for a few weeks now and there's not been the desired effect, the desired effect being a permanent solution.

**BD:** Certainly understand that and we are not going to rest until this is resolved but as Lorenzo pointed out the site has been in place for some 20 odd years and I can't say has never had an odour issue raised but certainly nothing of this magnitude and ongoing. It hasn't been a problem historically and now we are looking at how to address that. We have an existing system we've implemented as an interim solution but the real solution will come in the form of a permanent leachate treatment and odour treatment system. That is going to take some time to go through design and approvals and that is underway currently but the system won't be in place until the latter half of next year. That is not to say the odours won't be done before then, so as I mentioned the primary focus right now is to get rid of the leachate that is on site and we are actively pumping that. I understand they have increased the discharge rates to the sewer they are trucking it off site as well to alternate disposal locations. We are aerating and dosing that currently So there's a balance there that we're trying to strike before that goes into the sanitary sewer. Then there's the odour masking agents as we're pointed out and we are covering the exposed leachate on the blanket with soil as well to prevent that to being exposed. We're looking at a foam product as well to act as a cover on top of that and something that could be applied to the equalization pond in the West, so both of those should be happening this week.

**LR:** OK, but if these things don't work, then what? Like at what point do you stop bringing your waste in because you're not able to control the leachate that's accumulating?

**BD:** The I mean multi pronged approach, I guess there's final cover that's an aspect to that as well. The more of the site that's been capped, the less infiltration and leachate generation we get so able to control things a little bit more easily. We're also sort of transitioning from the actually 2019 when the site was last expanded, it went to a vertical expansion and opened up the North End. So the North End of the site currently where a lot of the infrastructure lies in terms of the scales, offices, administrative facilities and that all of that needs to be relocated before new cells can be built. So once those new cells are built, then all of the waste is relocated into there and we're able to cap larger areas of the landfill site. So quite a few different things ongoing also in terms of the leachate treatment, we're looking at establishing a new connection to the sanitary sewer, which would be under Centennial Parkway as opposed to the current connection to the West side. So a lot of different avenues that we're looking at to address this.

**LR:** Umm, I'll just ask one final question. Can you please provide an update on what's being done? I mean, I know that there's a capacity approval, but there's probably in and around another 10 years left of the current approval. What's the activity that's happening right now to support the closure of the landfill? Because that's really the ultimate solution here, right? Is everything gets covered, no exposure, no more leachate.

**BD:** Correct, and I guess you can see that in the West Landfill, which is an example of a closed landfill and what's been done with that. So you know, something similar to that is sort of the end goal here. But yeah, the primary part of this is building new landfill cells in the North area of the site, which allows us a lot more flexibility in terms of managing the incoming waste, dealing with any odourous materials and covering those immediately and applying final cover to the existing areas of the site. So there is some waste there that needs to be relocated, but we don't have a new cell open yet. So 2024, there are plans to significantly expand into the north with a large cell. So that will sort of set the things in motion to be able to sort of progressively cap and close more of the site and then that will be the process, you know for the next few years kind of thing, build a new cell and place waste in there and cap it progressively as well.

**LR:** So there's going to be this ongoing work for years to come. That what you're saying?

**LA:** Yeah, Liz, the landfill, it's an evolution. It'll keep evolving until we construct all of all of the cells, and once the cells are completed and the landfilling is completed as Brian mentioned, we will cap it then it'll be finally closed.

**LR:** Right, but you're dealing with an unprecedented situation right now where there is new cells being constructed. There's an odor issue that's not been not being managed and we're looking at this happening for all the years to come like this is not something that's exposed leachate on at the site like this is what the reality is going to be for the next 10 years.

**LA:** No, Liz, I'm going to disagree with you on that this is an isolated issue that we are working on will continue to work on it and we will definitely get to the bottom of it.

**LR:** And the sealed off leachate ponds not going to happen until the end of 2024, Is that correct? Is that what you said, your colleague?

**LA:** That's correct. We don't have a timeline at this point, but we're definitely working on it as we speak.

**LR:** All right, that's the first time I've heard we've heard and so that's a year a year from now that solution. OK. If there's a chance to come back to me, I'd appreciate it.

**KM:** OK. I see Stephen from the MECP has raised his hand, but before I go to you, Stephen, Lorenzo do you mind commenting on the connection between closing the landfill or stop accepting waste and the odour I know that there's been some perhaps misunderstanding or confusion around that.

**LA:** I'm sorry, Katrina say again?

**KA:** The question from Liz was around if you close and suggesting that would stop the odour.

**LA:** I don't have an answer to that It all depends on fill ratio and the level of business.

**KM:** Not when would you close, but would closing stop the odour issue with the leachate?

**LA:** Of yeah, absolutely. The location would then be capped completely that's correct.

**KM:** But the leachate will continue to permeate through the waste that is there, correct?

**LA:** Well, the actual CAP is designed to not allow infiltration in from the precipitation. So minimal leachate will be generated, so mostly storm water from there. So very little leachate generated, much like we have on our west site right now on the West closed.

**KM:** OK. Stephen, I'll go to you next.

**Stephen Burt (SB):** Thanks, Katrina, and thanks Liz for the for the questions. There's a few items I was just kind of going down as I wanted to kind of speak to that because you brought up some information around the air monitoring report. With regards to the air monitoring, Liz, the report has been shared with the City of Hamilton's public health services, they released a I guess we'll call some communications update or their messaging from their review of the report to Council, I think it was late last night and Brad, you may be able to comment on that. It was late last night or late Friday night and then posted today publicly to a website. So this information regarding the Ministry's Air Monitoring report is publicly available through the link at the city of Hamilton's website for the communications update. I have shared that link with GFL just shortly before this she'll be sharing it with Councillor Clark and I know he probably has access to it, but I'll send it to an email for him and as well as MPP Skelly's office for public sharing. So you can have access to that report. So we've done multiple monitoring campaigns through August. This report focuses on the August campaign, and that's what the city of Hamilton Public Health has reviewed. All the information are copy of our report is appended to their communications update which looks at sort of the health concerns and items that have been filed, you know through the ministry as well as to the city. So that information is there. We'll make sure that that link gets out onto the GFL public website. Uh CLC public website, as well as through Councillor Clark and MP's Kelly's office so that people can see that report and have a look through it.

So the next question you brought up, what were the parameters or what was sort of monitored for and so there is a variety of parameters that we looked at as part of our mobile air monitoring. So what people have seen in the community there is that we've seen, you've seen the monitoring van, we have a mobile air monitoring van set up with the variety of technical equipment to monitor air. The reason we like using the van and I know there's been some Community questions about setting up specific locations. The reality with odours is it's transient thing moves with where the winds are going. So the mobile air monitoring allows us that ability to kind of get in there and get those readings and can get up close to sources and get out in the residential areas and move to where we're seeing those complaints coming in from where those impacts are occurring. So the monitoring has confirmed a fact. There are orders, and in fact these are unacceptable orders in the ministry maintains that stance that these orders are unacceptable and they need to be dealt with by GFL and we're continuing to work down those pathways to ensure GFL is taking all actions necessary and that work will continue into those orders or addressed parameters that we were doing for the monitoring ranges from a variety of VOC components. Volatile organic compounds. It's very technical, but it is spelled out nicely in our report of what the various compounds that we're monitored for. We also did a variety of other items such as you know total reduce sulfur, you know which is like an H2S compounds and those some particulate readings. And we also did what they call a nasal Ranger assessment, a nasal Ranger assessments to kind of confirm the presence of odours. And so in that report that you'll see that's publicly available, all of those details there. So the report itself, well, we did not see any exceedances of our guidelines or standards during the August monitoring. We've continued this. We have heard loud and clear. I have heard personally and I heard of the public meeting that I attended that, you know it is worse at



night and it is worse during those early morning. So in response that the ministry has put their van out during those times. Uh, we did some monitoring and throughout September and those results are being and I guess being analyzed that will be shared again through the public health group. But what I can say is that that are monitoring absolutely confirmed the presence of stronger rotors in the evening hours and in the morning hours, and we didn't monitoring within those areas. And there were some elevated total reduced Sulphur compounds that would have really been contributing to these significant orders that are being experienced off site. So that is going to continue. Our air monitoring continues. We are going to try to get a few more readings throughout as they as GFL continues to try to implement actions to mitigate these odours. So all that information is available publicly now. It will continue to be made publicly available through the public health services so they can provide the appropriate Council updates and then that way they're all that information is publicly available for people to review and ask questions, whether that's of the health services or whether that's of myself or other folks here at the ministry. So that information's there with regards to night time orders. I might just add a little more than what, than what. Maybe you know what GFL or GHD said there in the evening hours. We get these sort of inversion like conditions. Basically you see it in other spots in Hamilton, not just unique to this facility to the site. Sorry, but in other areas as well where you have specially that's changing the shoulder seasons, you get the different weather patterns and you get some colder and warm air locking things in and you don't get that same amount of dispersion in the area. So you see, those essentials odours concentrated around there. But again, we've heard the concerns. We put the air monitoring out there and are completing that and we'll be working with the public health services for the appropriate health analysis and the Ministry and the City of Hamilton's results are available on there and so they have, you know, they have put all their health messaging appropriately on there to, to answer and they have some uh contact numbers for people to follow up should they have, you know, other concerns or wants some clarifications. So there's that. The other part with the odours and the continuation for the next 10 years, the answer for that is that that you know, there's no anticipation that that the ministry would be tolerable of orders like this continuing for that time. And then there will be continued work of force of GFL to take appropriate actions, and then we'll look at all measures for that. So I want to be clear that that's not going to be acceptable to continue at this pace that we're basically assessing all enforcement actions and through our investigations branch and all other matters to ensure that the GFL held accountable and that will be implementing all appropriate actions.

I'll pause it there I know that you have a lot of other questions that you may want to field back and I know there's some other folks, but I don't know if there's particular item that I didn't touch base. I tried to take some of those notes down the other. Actually, I should say before I jump off here and pass the floor back is installation that's the first time I've heard this date end of 2024 as well I know GFL has been talking about this. It is a complex project that requires not only approvals from the ministry, but approvals from the city of Hamilton to be tying into the main sewer trunk on Centennial, so there is obviously, you know, some approval requirements that are other we put forward and plus engineering and design.

The ministry is basically evaluating and you're going to be using any sort of compliance tools we have necessary to solidify these timelines, but I can't sit here today and say that November 24, 2024 is an acceptable timeline for myself or for the ministry at this stage. We will engage in those conversations with GHD and their qualified professionals, and we'll, uh put appropriate timelines to get this thing happening quick but that doesn't mean work stops on the interim measures to make sure that this is addressed immediately as quickly as they can, but also doesn't prevent them from stopping that there has to be contingencies in place that this doesn't go back. So things like leachate levels, managing of leachate levels, all those items are being assessed and there will be work requirements put on the on GFL as we continue through this process.

**KM:** Thanks, Stephen. Brad, before I go back to you and we're coming up at 7:00 o'clock do I have the CLC's permission to extend this to about 7:30?

**Note:** *All committee members raised their hands in agreement to continue to the meeting to 7:30 pm*

**KM:** Brad, I'll go to you next.

**Brad Clark (BC):** Well, thank you. Public health stressed in their report that while the air quality standards are not exceeded, the odour can continue to cause stress and impact the enjoyment of property and quality of life. It can include feeling unwell, headaches and nausea, and they go into detail around that. So while it may not have exceeded any of the provincial air qualities, the odor is having a very real impact on health of residents. And it's also having an impact on their psychosocial impact. The reality is they have been suffering with these odours virtually 24/7 for months and as a result of that it is increasing the feeling of unwellness, sore throats, nausea, vomiting, headaches, bronchitis, etcetera. So I'm getting all of those reports and our public health department has indicated that yes, that is quite conceivable given the odours that people are smelling. Thank you.

**KM:** Carmen, are you still there?

**Carmen D'Angelo (CD):** Yeah. Thank you and thank you for moderating and thank you, especially those CLC members who are community members representing us and I appreciate the volunteer that you're doing. So my first question is with the sewer use bylaw, is there still an agreement between Jeff L that pays the city to discharge the leachate into the municipal sewer system?

**LA:** Yes, that's correct.

**CD:** OK. And Umm, would I be correct in saying that the sewage treatment plant is not designed to treat this type of leachate?

**LA:** No, the leachate is meeting the sewer discharge of guidelines as we speak.

**CD:** And if I may, do you not pay a surcharge for an overuse of the municipal sewer system?

**LA:** No. We just we pay the rate that is provided per cubic meter.

**CD:** OK. And if I can put that as a standing question, my understanding is yours and overuse fee that was being paid. If that has stopped, I'd like to confirm that.

**LA:** We'll have to look at that situation and we can get back to you on that.

**CD:** OK. Thank you. In regards to tipping fees, does the city still receive a percentage or allocation of the tipping fees? As you're still in agreement in play.

**LA:** Yes there is.

**CD:** OK. And in terms of the permits for housing in the area, there was city approval for official plan and zoning bylaw amendments to allow the development of new housing.

**BC:** Ah yes, that is the case. The developers were required to conduct landfill impact assessments, given that they were 500 meters within 500 meters of an active and operating landfill. We also requested peer reviews of those studies.

**BC:** We also reached out to public health to provide input as to whether or not there was any risk to public health and all of that came back that there was no impacts. The only requirements that were put on the sale of the properties was to notify the residents on the sale of the property that there was an active landfill operating and they also included a double redundancy of requiring clay under the properties. I'm going by memory on all of that garment.

**CD:** Yeah. No, no, thank you. That sounds quite accurate, so thanks for that dumb. So it's the first time I've heard that the I'm and solution for the exposed leachate is in the time frame of 2024. It's obvious that although there was some due diligence on impacts to community residents, the fact that we're actually you were receiving a lot of order complaints. I would say that the impact is quite significant. So what I'm trying to get at is that if the city were to get out of their agreement on the use of the municipal sewer system, it would expedite GFL to take care of their leachate problem rather than dumping it into the sewer system. I and then going to the sewer treatment plant that can't treat this type of leachate and then during storms, bypass it into our lake. So what is the probability or options of the city to discontinue the sewer use bylaw so GFL can stop dumping the leachate into the sewer system and then expedite themselves in doing a final solution on how to treat the leachate.

**BC:** Do I take this one?

**KM:** Sure.

**BC:** Thank you. Umm, so I'm not aware of any surcharge that is being applied. As I understand it, the leachate that is going into the sewer system. According to Hamilton, Water can be treated at the sewer treatment plant and that they didn't have any concerns about it. The original overcharge or surcharge that was being applied for certain things. Specifically, I think salt sodium was a was one of the high ones that has rectified over the last. I don't know ten years or so I they've just been putting it straight into the sewer system and there was no need for an overage as far as I know.

**CD:** So if I may and thank you for that about the surcharge, but to permit delete to going it into the sewer system, municipal sewer system did a significant impact on the Community because in your original certificate of approval there was to put in place a such a leachate treatment plant that never occurred and now there's pooling or ponding of the leachate which I learned to see evening as the primary source of the order. If that is the case, and now they're working on some type of a plan, that would be extended to 2024. I find that the ban on the acceptable response. Uh.

**LA:** Carmen, the plan for the treatment plant was always in play. It's just being fast tracked. It was always part of the development of the landfill and to answer the question about the leachate going into the sewer, it meets all the discharge criteria that the that the city bylaw has. So there is no reason why the water cannot go into the sewer system.

**CD:** Respectfully, when did the Taro E landfill first open?

**LA:** The east?

**CD:** Yes.

**LA:** Started landfilling in 1996.

**CD:** So in 27 years you were to build a leachate plant and you're saying that you're still working on it out of 27 years?

**LA:** I can't speak to the early days, Carmen, but it was always part of the part of the development of the landfill to have final discharge changed over to where it's currently going now into our new location that we're establishing.

**CD:** Well, it's a little late after 27 years, and if it wasn't for some good reporting from a local reporter, Richard Leitner, I would have forgotten about that those days. Where when we're living in this community, we were told that a leachate treatment plant would occur. Now, 27 years later, you're saying that's the solution, and then that's going to be an extended construction period. I just find that unacceptable. Just my thoughts on that in terms.

**KM:** OK.

**LA:** Sorry, Mr. D'Angelo, that was never this was always part of the plan.

**CD:** I never said my last name was D'Angelo, but it's good that you recognize my voice.

**LA:** Well you're very recognizable, Sir.

**CD:** So in terms of the public health reporting on the air quality, that's good. But I don't follow public health services. How does the community find out the results? Will there be something posted on the GFL website or the CLC website where we can link on and find these reports?

**KM:** Yeah, let's Steven respond to that and then, Carmen, I'll, I'll go to the next person. So everyone has an opportunity to ask her questions. So Steven, go ahead.

**SB:** Thanks, Carmen. Great question. And so, sorry if it wasn't clear. Yes. So that will be posted on the GFL CLC website. So I've shared that link to the Council update and communications with our full report appended to it, plus the city of Hamilton Public Health Services review and findings as well. I'm assuming Councillor Brad Clark will share it to his website accordingly. So people can access, access that and I will be sharing it with MPP skellies office as well. So she can post it on to her social media stuff. So we don't have a great mechanism here locally at the Hamilton district to have a website to post these things. So we're going to be using the available social media contacts to share that.

**CD:** Thank you for that.

**BC:** It's also an information report which will be appended to the City Council, the next City Council meeting.

**SB:** Thank you

**KM:** Thanks, Carmen. So I'm going go to Chandana next, you can go ahead

**Chandana (Ch):** Hi everyone Chandana here. Alright, then first of all, thank you all. So we're having some positive notes saying that you're you are working aggressively or in covering those 3 shade or whatever the smell is coming from. But just want just want to let you know that you know, for the last two to 2 1/2 months. I had been walking around this area. Could I use usually take a walk after coming home from work? I used to walk around 4:30 to 45 minutes, which I have stopped right now because I cannot breathe this air anymore. Uh, you should know that I have taken some medication. I like that to have this this record in this conversation

that you guys are recording this. I feel ill two and half months ago and I seek medical help. I went to see my doctors. I've been prescribed 2 times medication and also inhale and I thought it's a normal sickness that anyone would have, but these symptoms are not something that anyone experience in the summer and I having this difficulty in breathing and heavy congestion in my chest and so far I have gone through, uh three medical. Sorry, two medical prescriptions and they had done, I still have this. If you go to in writing and now I suspect because I was roaming around in this area for last two and half months or three months continuously every day 230 to 45 minutes and I finally came to a point that the smell could not go, I could not go out anymore because it became so, so bad that I stopped walking around. Now I'm not sure. Maybe your reports your test reports are adequate. I'm not sure whether they are adequate enough to cover all the medical bad impacts going through our body. I don't know how this works. My first question is I understand that we would be able to see those reports very soon on your website. Other than that, I like to know where do you get this air quality and other test done. That's my first question. Are they accredited laboratories? Can we believe the reports are good enough or are we allowed to consult a third party on our own and do the test? And who will be paying for those test if you have to get our independent test reports done? Is the other question and then then finally.

**KM:** I'm just going to report, yeah.

**Ch:** Yeah, this the, the, the, the, the, the health bad health impact on the community around here is not only physical is so deep down to emotional and psychological. I can't even go to my work in the morning anymore with a peaceful mind and start my work anymore. It has gone bad that much, so I would really appreciate if you consider not only this the this the physical difficulty that we have to go through, but also the medical, the mental health. I have two kids who are complaining all the time. They keep their windows open when they study at night, so it has gone through so much into their studies. They cannot keep their windows open, and so and so I cannot. I cannot even when I open my car after one or two hours from the work, when I come back and if I open my car door, I still smell this bad one inside my car. It's that bad. That means we have been breathing this air all the way to work way back and during our sleep at night. This this condensation I heard this condensation get aggravated in the night because of low wind pressure and all that. In other word, the pollutant be exposed to air throughout 24 hours and we only can feel it in the morning because of the way the environment work and finally it's hard to believe that the expertise from GLC is not the way of this kind of a leachate. And then it's happening for the first time in this side and they are not aware of this. This is unacceptable as pioneers in this field and being expert in this field, they should have anticipated this happening at this moment and we suffered already way more than three months in the summer and we completely lost. To be outside in summer and the 34 minutes to 30 minutes walk outside there, which I believe I did. Yeah, which I believe I did with the smell is low, but actually the smell is low, but the active ingredients in the air should have been there.

**KM:** Yeah, Chandana. I'm sorry to hear that. I'm I do want to make sure that we can answer your questions. I do know that I did hear Brad earlier. Brad Clark talk about how Hamilton public Health is working those health impacts like psychological as you're talking about the questions that you had earlier were who, who does the monitoring and how can you trust the monitoring results? Is that right? That's the question that we can answer.

**Ch:** Correct.

**SB:** Yeah.

**KM:** OK, I don't know if that would be MECP again, Steven or Lorenzo can speak to that. Go ahead, Steven.

**SB:** No, it's the ministry doing the sampling. There's no involvement of GFL. This is done independently by the Ministry of the Environment, the Technical Support Group who leads The Who leads the air monitoring the mobile air monitoring. So it's done by the ministry and we have qualified technical staff that operate the mobile Air monitoring unit and have one operating in accordance with our sampling guidelines and to prepare the report which is which is publicly available for you. And and I just want to say, I do hear your concerns are very valid.

**SB:** I know that you know from an imminent health, you know, acute or chronic health aspect, there's is the mental part of it. And I and I totally appreciate that. The stress and discomfort that's caused you.

**KM:** Thanks, Steven, and thanks Chandana for raising your hand and sharing that. I'm going to go to Isabella next.

**Isabela Wozniak (IW):** Hi I was just wondering if. And someone from GHD Engineering environmental consulting. So maybe Brian would be able to explain what the composition of the vapour deodorizers are if it was one of your solutions proposed to GFL, would you know what the bubble gum vapor deodorizer is composed of?

**BD:** Sure, I can speak to that. So, it's a product from Air Solutions formulations, so it's water soluble concentrate which has a proprietary blend of botanical extracts primarily. So, it's really just a masking agent perfume essentially for the for the leachate. And that so go ahead.

**IW:** Can you go a little bit more specific?

**BD:** I'd be happy to share the product information if you like. You can certainly take a look at that in detail, but yeah, that's essentially, it's botanical extracts of various. Odour masking agents.

**IW:** OK. We're OK. Where can you share that with me?

**BD:** We can follow up with through the CLC, I think.

**KM:** Brian, can you repeat the company and the product name again if people want to write that down?

**BD:** I will. I get the exact product name. It's Air, Air Solutions, I believe is the name of the company, but.

**SB:** And just to maybe cut in your from the ministry, maybe it makes sense to post the MSDS sheets and the product content sheets that that are received with the material. Brian and Lorenzo Post that to the CLC public website, so people have access to it. And they can pull through it that way. It's probably easiest access for them and then Councillor Clark can also share it through his website. If you want to share with him as well so people have quick access to it probably makes the most sense. For sure. Yeah, that could be done.

**IW:** And just not really follow up. But so I just read the communications update on the Hamilton website. I was wondering, would there be communications that would include the hard data that is collected through the air monitoring or is it just summaries?

**KM:** From GFL.

**SB:** No.

**IW:** Both, but more for the Ministry of Environments. So because they're the ones who are doing the monitoring.  
So I'm just wondering, would we be able to see the actual hard data of what's been tested, the levels as opposed to just summaries?

**SB:** So the report, the full technical report we received from our air quality analyst is attached to that. Did you? You did see that where all the wind rows and where the monitoring locations were done through the periods and in August spell it's you, OK.

**IW:** No, it's not showing in the communications update, it's it does mention August and it's just the sum it just providing summaries.

**SB:** So at the very end of that communications update, the report that the ministry created that we developed our technical analyst that that, that, that the that did the monitoring and reviewed the data that's obtained is attached to the communications at the very bottom of it.

**IW:** OK.

**SB:** So as you just Scroll down through you should see that available there. I'm just kind of pulling up because I want to make sure. Yeah. So it's there's about. Quite a few pages, because then we have all of our monitors and our.

**IW:** OK.

**SB:** Locations where as monitor the wind direction during the monitoring and then they have our technical report attached to it and then what we what we capture, what we collected is them broken down. Uh. Within those figures and within the graphs.

**IW:** OK. Umm, I was wondering bread if you could. I don't know because it doesn't seem very accessible because I'm having a hard time finding the attachment. Umm scrolling. Yeah. It's especially from the most recent one. If it's possible to, I don't know, put it on your website or somewhere where it's easily.

**BC:** I will put the entire report on the website, but it's not an attachment. There are, I believe, 5 pages from the Board of Health and then Appendix A has the studies and all the work from the ministry all the way through. So I think in the end it was a 24 page report.

**SB:** Correct.

**IW:** Yeah, that's definitely will. Definitely not what I'm seeing here. So is there a way we can? I don't know make that more accessible. Make it easier to find. Awesome.

**BC:** Uh, yes, I after this meeting I can add it to the Facebook group as well as on my web page.

**IW:** That's great. OK. That's it for me. Thank you.

**KM:** Thanks, Isabella. Brad, you said you had a list of questions from residents that you received, so we can go to those next.

**BC:** Uh, thank you. Umm. One of the questions is why were there no contingency plans readily available to deal with the odour?

**KM:** Lorenzo.

**LA:** Yeah. Our process has contingency plans for older issues, any sort of impact and we worked that process in place and we started to prepare ourselves and started working the process to ensure that we tried to mitigate the odour. So once we detected that the odours were there, we have effectively started to adjust our system to try and mitigate them. And several times attempted. Different. Uh, uh. Processes to fix it, and ultimately the realization of that are material wasn't working and that's when we worked with the engineers to try and come up with a solution as soon as possible.

**BC:** Uh is where is the leachate being trucked off site for disposal?

**LA:** To treatment plants.

**BC:** In Hamilton.

**LA:** Uh, they're all they're going all over, wherever it can be received.

**BC:** Was GFL required to have preventative measures as a part of the ministries approval process to prevent these odour issues?

**LA:** Yeah, it was part of the. It was definitely part of the of the conditions, yes.

**BC:** And this has been asked before, but I think it's important that you reiterate it is what is the time limit on GFL's attempts to find a permanent solution? When will the ministries enforcement action escalate to fines or the revoking of a current ECA?

**LA:** Yeah I can't answer that last part that would have to be please Steven.

**SB:** Yeah. So yeah, I mean I think that we were aware that we were our, our, our. I guess we're good to go through and assess all of these virus contraventions are ongoing and enforcement actions and finds and all those things that come along with those actions are a process that takes time. So I you know, I can't tell you when exactly those are going to be held, but I can tell you that the ministry is continuing to work to refer contraventions to our investigations branch. But my team here in Hamilton is the team that remains committed to holding GFL accountable and ensuring that all appropriate actions and feasible actions are implemented to stop these orders as quickly as we can.

**BC:** Thank you. Why are our calls for odour complaints not being returned in a timely manner or at all?

**LA:** Yeah, we've responded to everybody that we've received direct contact with.

**SB:** And from the ministry side, uh Councillor Clark, if that's pointed our way as well. We've received a quite a large number. We now have the ability at our spills Action Centre to obtain what they call E submissions so reported through online submission. We've received many, I don't know the Count, Mike, you might know the count on top of your head. I don't have it in front of me, but what I can say there's been, you know, a multitude of ease submissions received. Some don't always have the appropriate contact information just to follow up, and the other part is when we get into these couple 100 calls that are coming in as difficult for us to put all the resources to focus on following up with residents when I want my staff on site dealing with GFL and ensuring that that actions are being taken. So I apologize that some calls have not been returned. We are receiving all the calls and we are taking them all very seriously and we're responding to each one of those by through our actions at GFL. And I will remind the team and we'll do our best to try to follow up when we can, when we've had ERPs after hours, environmental response people is what ERP stands for. We have had the officers try to follow directly with those complaints when we're out to site.

**KM:** Brad, I think we have time for maybe one more question from you. And then, umm, I think the last question I'll go to Dave Strecker is how does hand out for a while? I want to be respectful of CLC Members time. OK.

**BC:** I have three questions left and they're not from the residence. The first one is with regards to the treatment plant. The leachate treatment plant, it was removed from the environmental assessment by Philip Environmental due to their arguments that the height of the plant and the



plant emissions would be offensive to the community. So just to be clear. Well, I'm not aware of anything anywhere in the ECA that says the company is going to be building a leachate treatment plant. So can you clarify exactly what is going to be happening in this question would be for the ministry.

**SB:** So with regards to the specific plan, I mean there's, there's information included in their ECA as part of their storm water management CA, but leachate treatment because there is, I just want to be clear there is existing treatment that occurs not the treatment that we're referred to from a package plant or an enclosed plans, right.

**SB:** So they do. They were at one point using hydrogen peroxide as part of the treatment process, and that's where it would be sent over to the pawns located on the Heritage Green Park and where it'd be error rated prior to being disposed. I don't have the specifics in front of me, Councillor Clark, to say what that ECA did or didn't say right now, but I will be looking into that with regards to the long term solution that GFL has been discussing, we feel that moving to an appropriate treatment plant with appropriate air controls on there. So having an enclosed system with such thing as like a biofilter or carbon filtration, the charcoal filtered carbon filters on any emission points makes the most sense to address this, it'll treat leachate, probably to a much better quality. Which addresses sort of Carman's comments that he'd asked earlier and then ultimately send that back down to bend that back down the Centennial sewer trunk for final, I guess polishing your treatment at the Woodward treatment plant. The benefit of moving that treatment location from the discussions and these are discussions at this point and we'll be working to put things into appropriate compliance vehicles. But the discussion at this point I've indicated that that location of that plant would be located more to the South East of the property near the interim leachate pumping station, which would then move it further away from the residential areas that are located to the to the north and to the to the West of the facility. That is been the discussion we've had and we're going to be receiving some project plans and proposal for timelines and installation, but ultimately that's going to have to make it through our engineers locally here in the Ministry of Environment, but also the city of Hamilton building engineers for construction and an ultimate, you know, movement to that final treatment approach.

**LA:** Yeah.

**SB:** So this is early on and I know people, you know, I know that we've heard these dates of 2024, but this is early on and I believe and maybe Lorenzo's best to comment on this, but there's always been sort of a plan at some point to go to a more appropriate treatment facility for this operation as the as the landfill you know moved on in age but so.

**BC:** OH that's news to me and that's that on this CLC for three terms. Umm, the uh, the hydrogen peroxide and the air ration was used to get rid of the odor in the leachate pond. It wasn't meant to be treating the leachate that's going into the sewer system, the leachate going into the sewer system. The city? Our Hamilton water folks said that they could treat it based on the parameters that's in the leachate at the present time. Umm, next question is I keep hearing that it's only leachate causing the odour and I've smelled leachate when it's nasty and I've smelled landfill materials when it's nasty and the odours that the residents have been dealing with is not a. Rotten egg odor. It smells like you're walking through the plant at Stelco or Dofasco. I've had three different responses now I've heard that it's only change. I heard the ministry say at a public meeting when all the residents were there, that it's both the leachate and the landfill

residual materials. I'm trying to understand what is the. Sources of the odour and everyone keeps pointing to leachate because we had a rainy season and no one seems to be addressing the fact that the materials that were lifted from the bottom of the landfill and placed on top was also saturated with leads Leech 8. So is it the ministry's position now that the odour is only coming from leachate and not coming from landfill materials as well?

**SB:** Councillor Clark, the position the ministry remains at the most significant source of odours being experienced from the landfill is related to the leachate being a that's being treated within the pond and that's been allowed to accumulate on the site. So I remain steadfast in my comments and when I said at the public meeting was that there could have been contribution from that when that occurred early on. So I apologize if I wasn't clear in my comments, but the ministry remains based on the multiple site visits at our officers have made and have stood on the tipping face and have been through there that the main source of the odours appear to be in our opinion and our evaluations focus on the leachate. Now, I won't sit here today and say that as an actively as an active landfill, could they receive material that might be stinky? Yeah, that that is a risk, I mean. But I think when you're asking for the long term, situations are going on here. Mr. Clark, then I would say that it, in my opinion and from me being out to site and sitting at smelling and at the site, I believe it's characteristic of leachate and that is the main source of the odours. And I think that we that GFL combating those odours and getting rid of those odours would significantly reduce the off-site chance of having odours. That's the stance of the ministry of my technical staff that have been out there and I stand solidly behind them on that.

**BC:** So let me ask you this question then why would there have been a public notification that during the landfill cell construction, there would be the occasional increase in odours that has nothing to do with LEACHATE.

**LA:** Yeah.

**SB:** No, and I'll let GFL answer that questions there operations.

**LA:** Yeah, I'll take care of that, Steven. And as I previously mentioned, Brad, because this is the second time we're addressing it, just during this meeting, that was a process that occurred and it is finished. It was a just a piece of construction that was required for a safety bench back to tie in. That is over and the these odours of nothing to do with that process, Brad.

**BC:** Thank you. And to the residents at the next public health meeting for the city, this report that we have now received will be on the agenda for the Public health department or Public Health Committee, and we will be discussing whether or not there's a need for an independent air monitoring. I support the call for independent air monitoring because the psychosocial impacts of this landfill odor is huge and the residents are left not trusting anybody. And the more we can do to demonstrate that we're taking their concerns seriously and we're conducting the independent testing and the better it will be to get answers to the resident. So I'll be doing that at the next public Health Committee meeting. Thank you.

**KM:** Thanks Brad. And I'm just being mindful of time. It's 7:35, so I'm going to go to Dave Strecker. Because I did commit to UM, to letting him ask his question, my suggestion after that is going to be my suggestion to the CLC meeting for your decision is to adjourn the CLC meeting and people can attend the next CLC meeting in December if they have more questions, can and make it delegation or as done. Tonight there can be an open question period at the end. Umm, so I'll

go to Dave Strecker, if you don't mind. Dave, keeping your comments as or questions as brief as you can.

**Dave Strecker(DS):** Alright, thank you very much. I've found tonight's meeting to be very informative and three things have come to mind with during this all the discussions. First, I'd like to clarify as well as backup Liz, the one of the previous. Speakers, I filed a report back in June, June Liz said that she got the orders as early as June and I concur. I have a case report that I filed with the MECP on June 21st, so the order started in in June. On a second point, Carmen had mentioned the term overuse. I'm sure that he meant to say overstrength the cut the city has a contract to receive leaked leachate up to certain parameters. Anything over that, those parameters that then become overstrength? They're not. They're they, they cost more. So in other words, and you can correct me on this, Lorenzo, that if you pay a certain rate for per liter for a uh being within the parameters and anything over the parameters is a higher rate, is that correct Lorenzo?

**LA:** That's correct.

**DS:** Thank you. And the third thing has to do I asked this question a while back over a year ago, two years ago, about tying into the sewer on Hwy. 20 and they said no, that's not in the near future. And tonight it was mentioned it's now in the near future. Umm my question is this. The leachate collection system runs along, if I'm not mistaken. Looking at your diagrams along highway parallel with Hwy 20, will the leachate be pumped directly into the sewer system on 20 or will it be pumped back to the leachate pond and then from the leachate pond to Hwy 20?

**BD:** So, we take collection system spans the entire base of the East landfill. So it collects from the entirety in, and it's sort of the low point is in the southeast corner, so that's where the pumping stations are. That's where it first comes out of the landfill. That's where the preliminary treatment happens now and then.

To your point, yes. From there, it does go over to the West side. The plan would be to get rid of that connection over to the West and establish a new one to the sanitary sewer under Centennial Parkway and the leachate equalization pond in the West. So that actually handles leachate from the East landfill, groundwater and leachate from the West Landfill. So while that pond could be decommissioned, the sanitary sewer connection, the existing sanitary sewer connection would likely be maintained for the West Landfill as well. But that's a much, much lower volume than the east.

**DS:** OK. So the West, the West, the leachate pond, the present leachate pond will continue to be pumped into the Felker, Felker sewer system. And the East Leachate collection will then be pumped into Hwy. 20 is that is that correct?

**BD:** Correct, yes.

**DS:** OK. No, I just point of clarification. I thank you very much for your answers. Thank you, gentlemen, ladies.

**KM:** Thanks Dave. Thanks for joining us tonight. Its 7:40 so with the CLC's permission, we'll end the meeting there. And as I said, I'll put the next meeting date up assuming timing works for the CLC members as Kim mentioned that CLC members are available for that. Again, though, there's an opportunity for residents to make a delegation or at the CLC's discretion to have an open question period, as was done tonight. So with that, thank you everyone for joining and thank

you for sticking out the technical issues at the beginning and I hope everyone has a good evening and a safe drive if you have to drive home this evening.

**7. Conclusion of Meeting**

There being no further business, the meeting adjourned at 7:40 pm

**Next meeting:** Monday December 4, 2023, at 6:00 pm via Teams Meeting

**From:** Kimberley Bailey  
**Sent:** Wednesday, August 23, 2023 10:10 AM  
**To:** Wes Connor <[wconnor@cogeco.ca](mailto:wconnor@cogeco.ca)>  
**Subject:** RE: Follow Ups from June 12th Meeting

Good Morning Mr. Connor,

Please see responses below in red.

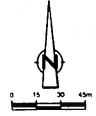
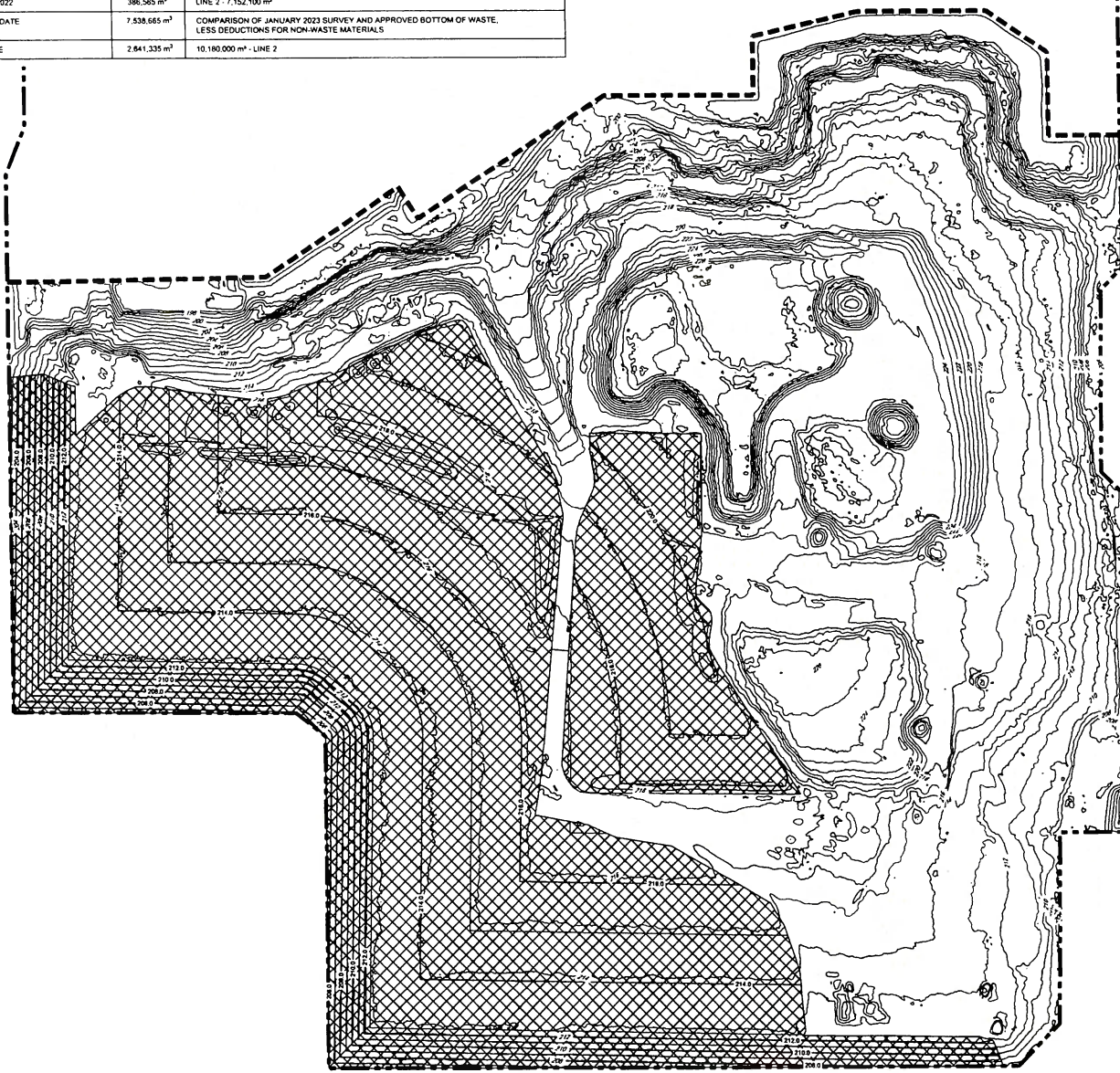
1. In the June 12, 2023 meeting minutes it says that there is a separate page attached with Dave Strecker's questions along with answers from the CLC. I don't see that attachment with the minutes, could you please provide that to me and attach it to the minutes.  
**The minutes together with Mr. Strecker's questions were put in the CLC's binder at the Valley Park Library back in June. The attachment to the minutes on the website was an oversight; Mr. Strecker's questions and the responses are now on the website.**
2. In the March 13, 2023 meeting minutes, the response to my question stated that "An updated aerial survey and contour mapping will be presented in the 2022 Annual Monitoring Report". Can you please advise if this report has been published yet and remind me where I can find the full report so that I can compare updated elevations with the Final Approved Elevations for the site. Will the full report be made available on the Stoney Creek Regional Facility Document library as in years past, and is a hard copy still provided to the Valley Park library as in years past?  
**GFL is in the process of uploading the 2022 Annual Report to the Stoney Creek Regional Facility's website. The document is quite large and therefore takes time to upload. The final report is at the Valley Park Library on a USB, if you inquire with the librarian, she can help you.**
3. Why does Project Manager Brian Dermody of GHD's Figure 3.5 in the GFL Stoney Creek Regional Facility **2021** Annual Monitoring Report entitled Landfill Contours and Volumes – January 2022 no longer show the actual meters above sea level (mASL) measurements so that we can compare them against the Final Approved Elevation? In all previous years, actual mASL contours were clearly identified. Without those, how can we compare the current height against the Final Approved Elevation? Is it because the current peak height is so far above the Final Approved Elevation peak of 221 mASL that GFL no longer wishes to acknowledge it?  
**Please find attached a figure depicting the landfill contours as they were in January 2023. Contour labels have also been added for ease of reference.**

**As discussed previously, GFL is continually adjusting the waste contours as part of site operations, and in consideration of:**

- **Incoming waste volumes**
- **Construction of new landfill cells in the north**
- **Construction of new final cover cells in the south**
- **Odour management**

**STONEY CREEK LANDFILL VOLUMES**

LINE	ITEM	QUANTITY	NOTES
1	TOTAL VOLUME OF WASTE PLACED IN 2022	396,565 m <sup>3</sup>	LINE 2 - 7,152,100 m <sup>3</sup>
2	TOTAL VOLUME OF WASTE PLACED TO DATE	7,538,665 m <sup>3</sup>	COMPARISON OF JANUARY 2023 SURVEY AND APPROVED BOTTOM OF WASTE, LESS DEDUCTIONS FOR NON-WASTE MATERIALS
3	ESTIMATED REMAINING WASTE VOLUME	2,841,335 m <sup>3</sup>	10,180,000 m <sup>3</sup> - LINE 2



- LEGEND**
- 2m --- EXISTING MAJOR CONTOUR (2m INTERVAL)
  - 1m --- EXISTING MINOR CONTOUR (1m INTERVAL)
  - 200 --- EXISTING TOP OF FINAL COVER CONTOUR (2m INTERVAL)
  - 100 --- EXISTING TOP OF FINAL COVER CONTOUR (1m INTERVAL)
  - [Hatched Box] FINAL COVER AREA
  - --- PROPERTY BOUNDARY
  - --- LIMIT OF LINER

**SOURCE**  
 TOPOGRAPHICAL SURVEY INFORMATION BASED ON AERIAL PHOTOGRAPHY DATED JANUARY 11, 2023 BY AUTOMATED ENGINEERING TECHNOLOGIES

**REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH BENCHMARK TSU189**  
 (N) 813 300; (E) 999 000; ELEVATION = 204 228 mASL.

**NOTE**  
 PHASES '1A', '2' AND '1B' WERE DESIGNED USING BENCHMARK (ELEVATION 204 337 mASL).

PHASES '1C', '3A', '3B', '4' AND '5A' WERE DESIGNED USING BENCHMARK AS SHOWN (ELEVATION = 204 228 mASL).

**REGIONAL MUNICIPALITY OF HAMILTON WENTWORTH BENCHMARK TSU185**  
 IRON PIPE WITH BRASS CAP, ALONG FIRST ROAD WEST, 0.2km NORTH OF INTERSECTION WITH MID STREET, 1.0 km WEST OF HWY #20, 14.3m NORTH OF CENTER LINE OF DRIVEWAY TO HOUSE, 8.2m EAST OF CENTER LINE OF ROAD, 9cm WEST OF BENCHMARK SIGN POST, 1m ABOVE ROAD LEVEL, ELEVATION 204 228mASL.

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No.	Issue	Drawn	Approved	Date

Client: **GFL ENVIRONMENTAL**  
**STONEY CREEK, ONTARIO**

Project: **STONEY CREEK REGIONAL FACILITY**  
**2022 ANNUAL MONITORING REPORT**

No.	Issue	Drawn	Approved	Date

Drawn	T.WAGSTAFF	Designer	B.DERMODY
Drifting Check	P.LESIECZKO	Design Check	B.DERMODY
Project Manager	B.DERMODY	Date	JAN 2023
Original Size	ANSI D	Scale	1:1500
		Bar is 20mm on original size drawing	0 20mm

Project No: **11103232-50**

Title: **LANDFILL CONTOURS AND VOLUMES - JANUARY 2023**

Sheet No:

**FIGURE 1**