



**COMMUNITY LIAISON & ADVISORY COMMITTEE  
MEETING MINUTES**

**February 12, 2019**

**Lambton Facility Board Room**

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**Attendees:**

|                         |                  |
|-------------------------|------------------|
| <i>Brian Murphy</i>     | <i>Neighbour</i> |
| <i>Bill Allingham</i>   | <i>Neighbour</i> |
| <i>Dave Robinson</i>    | <i>Neighbour</i> |
| <i>Barry White</i>      | <i>Neighbour</i> |
| <i>Paul Vandersteen</i> | <i>Neighbour</i> |

|                       |  |
|-----------------------|--|
| <i>Erica Carabott</i> | <i>Clean Harbors, Facility Compliance Manager (Chair of meeting)</i> |
| <i>Jim Brown</i>      | <i>Clean Harbors, General Manager, Incinerator</i>                   |
| <i>Devon Jamieson</i> | <i>Clean Harbors, Facility Administrator (Secretary)</i>             |
| <i>Mike Parker</i>    | <i>Clean Harbors, Director of Compliance</i>                         |

|                        |  |
|------------------------|--|
| <i>Peter Gilliland</i> | <i>St. Clair Township Deputy Mayor</i> |
|------------------------|--|

**Regrets:**

|                    |  |
|--------------------|--|
| <i>Don Hayes</i>   | <i>Ministry of the Environment, Provincial Officer</i> |
| <i>Member</i>      | <i>St. Clair Township Councillor</i>                   |
| <i>Jim Elliott</i> | <i>Neighbour</i>                                       |

**Guests:**

**1. Welcome**

- The meeting was called to order at 5:15 pm.

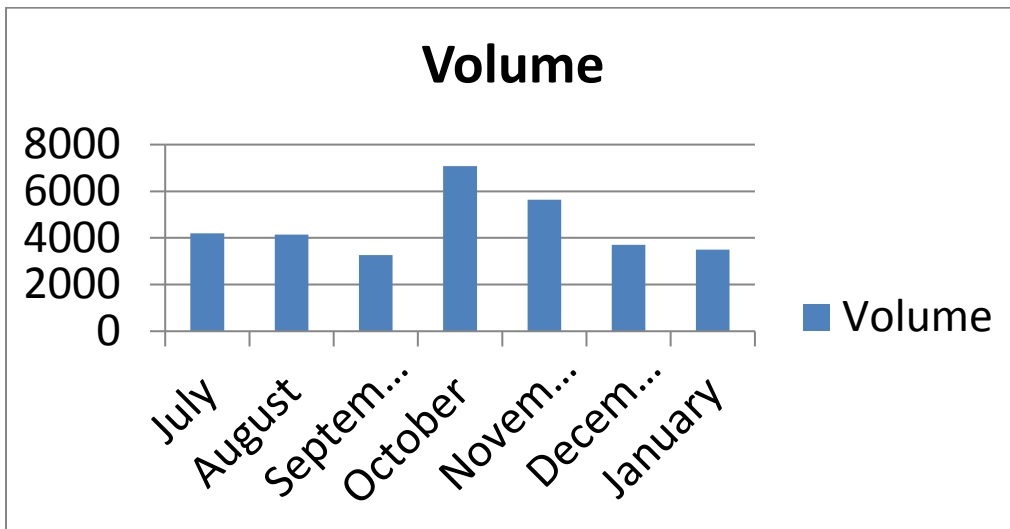
**2. Minutes from Last meeting**

- Minutes from August 2018 meeting were approved by Brian Murphy and all were in favour.

**3. Facility Updates – (Presentations were made)**

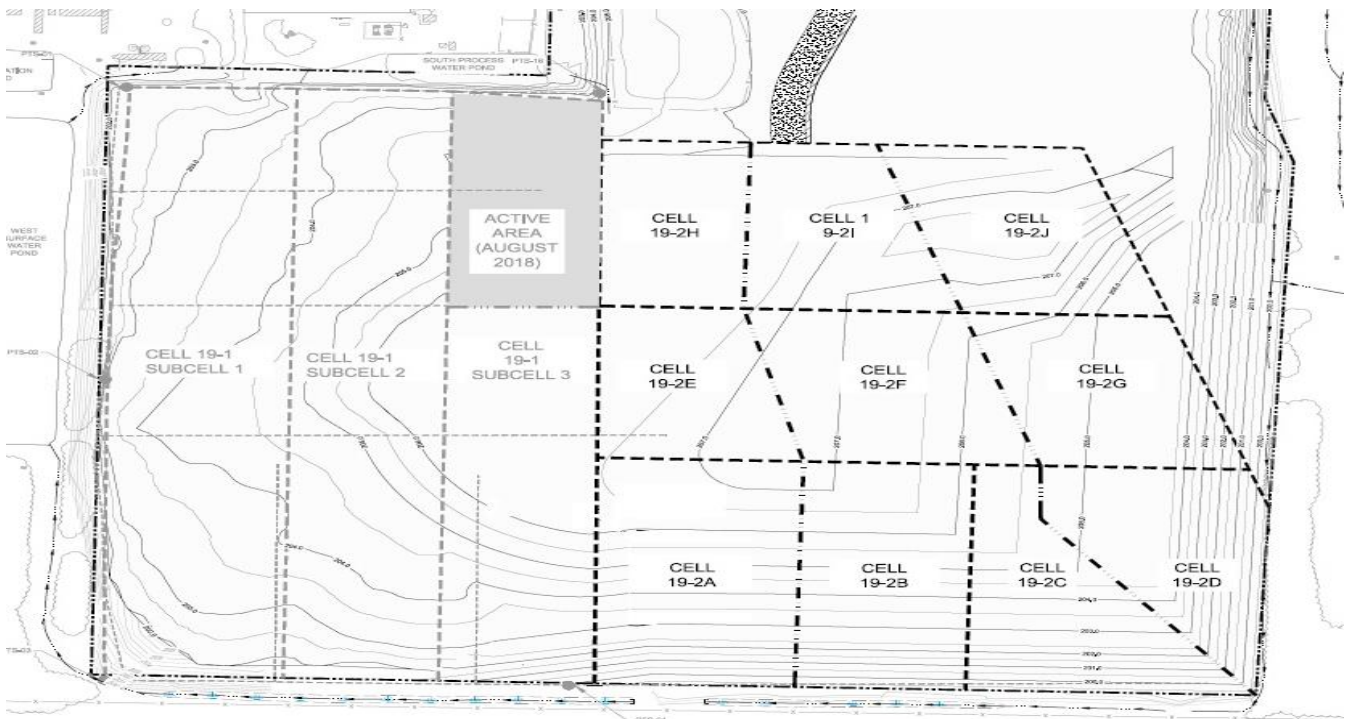
**Landfill: Devon Jamieson**

- Haz waste volumes remain low but steady. 700T/wk
- Lower volume from TSDF's in Chambly and MA
- Construction of 3 subcells this year.
- Expanding the leachate trench.
- Shipping leachate offsite



#### Cell Update

- ▶ 19-1-3 c capping underway
- ▶ 19-2-A currently open and underway.
- ▶ 19-2-B, C, and D will be constructed this year.



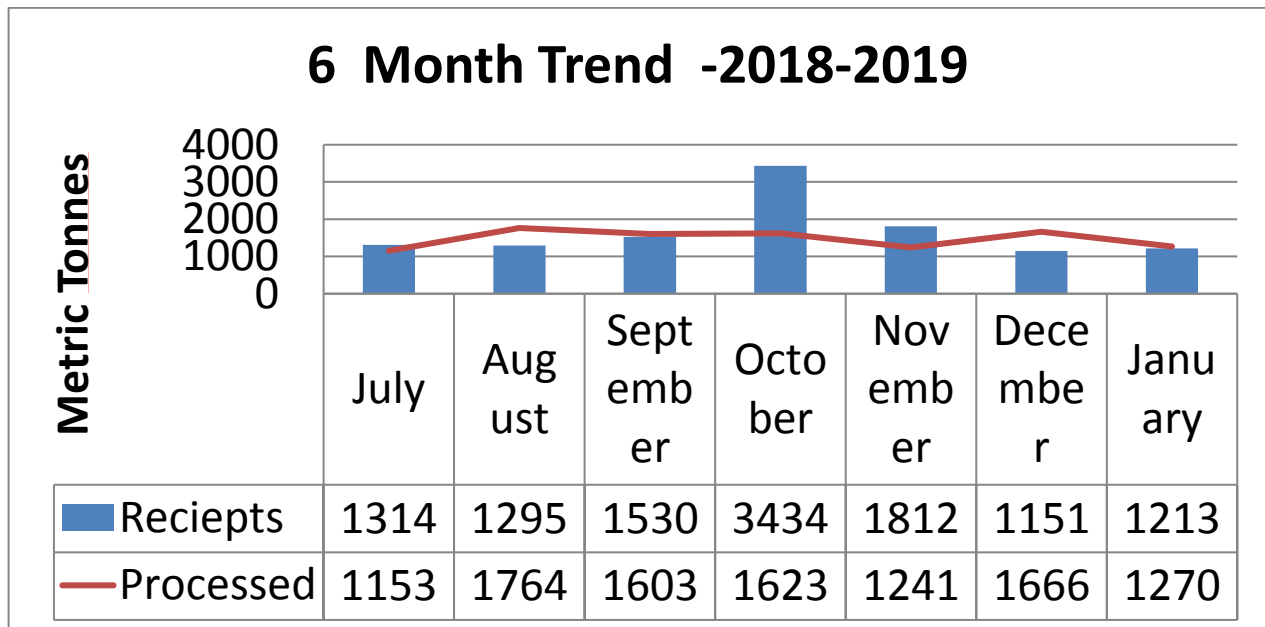
#### Incineration: Jim Brown

- ▶ Incinerator continues to run very efficiently at good rates
- ▶ Inbound has been very steady with a couple large projects from local refineries
- ▶ We completed annual stack test for 2018 in September
- ▶ All testing went well, and we were able to push the incinerator to maximum rates

- ▶ Results are back and have been review
- ▶ No issues or actions required
- ▶ We were planning on running through until March before we had the next large shutdown.
- ▶ However the refractory did not hold up and we were forced to shut down Feb 1to reline the primary and some of the secondary.
- ▶ Next multi day shutdown will be in June/19
- ▶ The new compressor system got approval to be installed so this will be the major task for that shut down.

**Thermal Desorber: John McDonald**

- ▶ Inbound Volumes have been steady
- ▶ 3240 T of Material on site
- ▶ No major catalyst projects underway
- ▶ Annual waste Projects scheduled for end of March into April.
- ▶ Currently only 24 Catalyst bins on site
- ▶ Unit starting back up this afternoon on waste.
- ▶ Shutdown – Modifications to the intermediate belt, auger system, General Maintenance.



**Compliance: Erica Carabott**

- ▶ 2018 Incinerator Annual Stack Test – Week of September 24, 2018. Report received in January 2019. All results indicated the incinerator is running within compliance.
- ▶ First 2019 mercury stack test scheduled for February 20, 2019.
- ▶ Monitoring programs are complete for 2018.
  - ▶ Reports are being put together by the consultants.
  - ▶ Reports will be provided in the Landfill Annual Report due by April 1, 2019.
- ▶ Greenhouse Gas verification for mid-2018 report was completed by December 1, 2018.
  - ▶ MECP asked for a mid-2018 report following the removal of

Cap and Trade in Ontario (typically only one report is required that covers Jan to Dec).

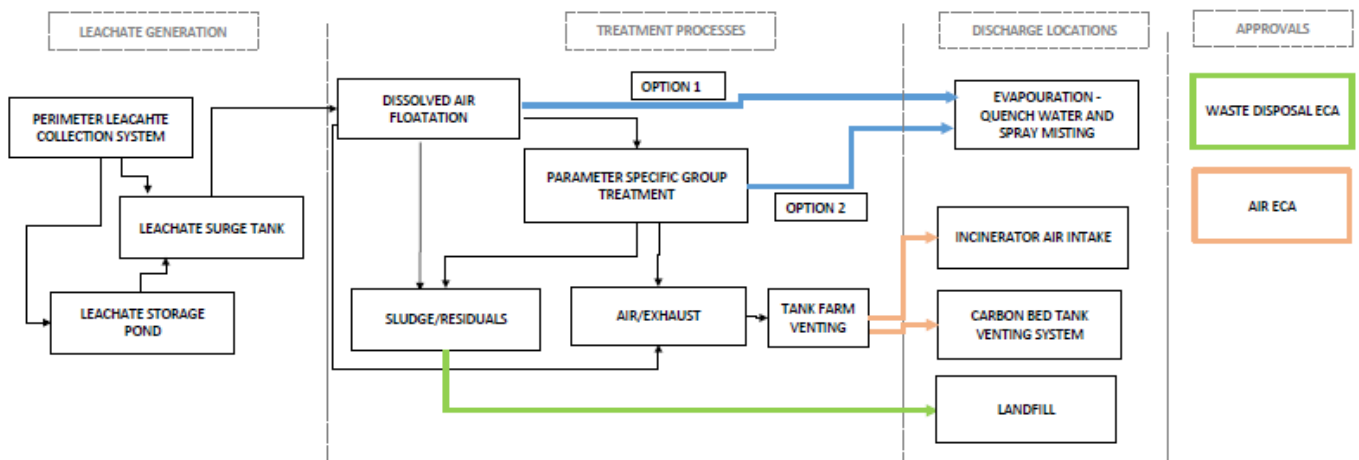
**Proposed Approval Applications**

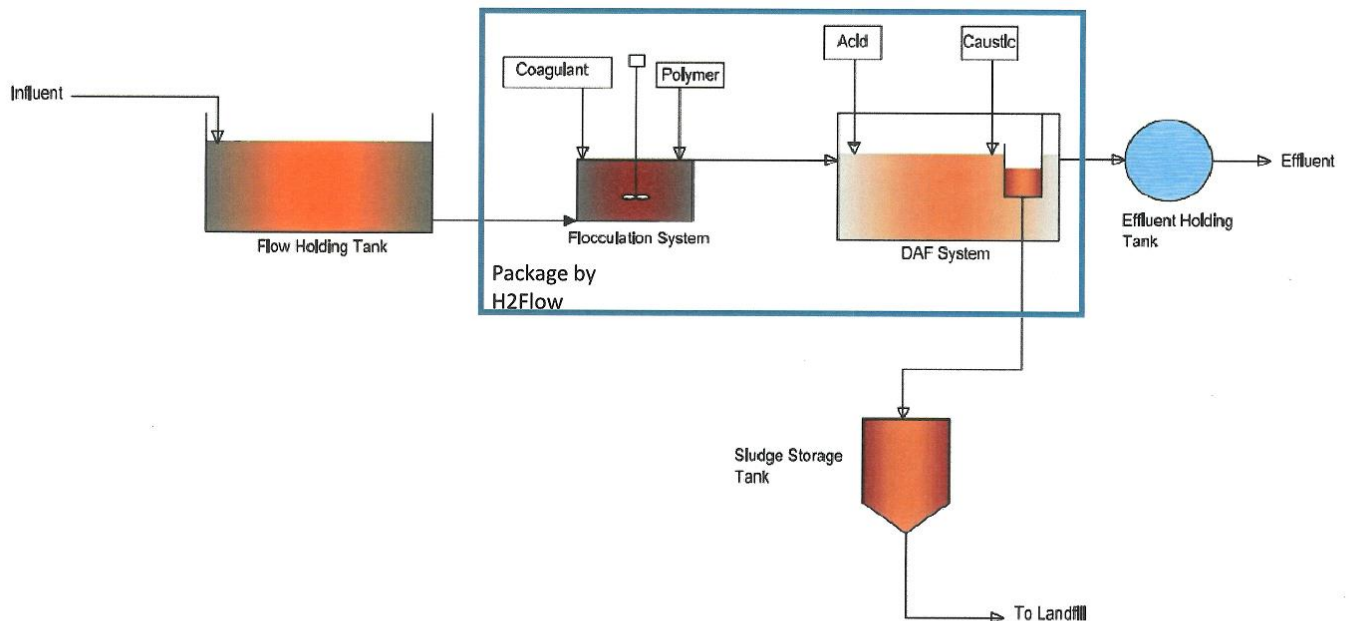
- ▶ Long-Term Leachate Management
- ▶ Transfer Station Expansion
- ▶ Surface water Improvements

**Long-Term Leachate Management**

- ▶ Leachate generated within the landfill is currently managed through incineration.
- ▶ Leachate generation rates (35 lpm) exceeds the maximum incinerator processing rates (20 lpm).
- ▶ In the past the company evaporated leachate at a rate of 85 lpm.
- ▶ In order to manage leachate generation rates and leachate storage volumes currently onsite the company needs to develop a long-term leachate strategy.
- ▶ The long-term leachate management plan includes:
  - ▶ Pre-treating the leachate
  - ▶ Mixing with onsite process water
  - ▶ Injecting into the incinerator quench zone (190 lpm process water + 60 lpm treated leachate).

Leachate Management Schematic  
Clean Harbours Lambton, Ontario





Conceptual Leachate Treatment System Process Flow Diagram  
Clean Harbors Lambton Facility, St. Clair Township, Ontario

### Long-Term Leachate Management

- ▶ Clean Harbors is assessing options for constructing a full transfer station at the Lambton Facility.
- ▶ In the preliminary stages with conceptual plans developed.
- ▶ On February 7<sup>th</sup> met with St. Clair Township planning department to discuss plans.

### Surface Water Improvements

- ▶ The original surface water management was amended in 2015 to accommodate the vertical landfill design.
- ▶ 2015 amendment incorporated deep surface water ponds and required pumps to manage surface water run-off.
- ▶ The new amendment relates to the internal transfer and storage of surface water.
- ▶ Does not alter the approved surface water treatment system, surface water discharge rate, the process water system, or the sanitary sewage (septic) systems.
- ▶ The objective of the amendment is to design a SWM system that meets the following criteria:
  - ▶ Effectively manages and provides suitable storage for the surface water runoff on Site for the landfill closure design, as well as managing the surface water as landfill Cell development progresses with the vertical expansion
  - ▶ Capable of managing surface water volumes from the 100-year storm event
  - ▶ Maintains the historic approach to SWM through storage and treatment by the SWTP
  - ▶ Operates without impacting the LCS or other environmental control systems for the Facility, including maintaining an inward gradient towards the LCS

- ▶ Provides a SWM system that is isolated from other water sources on Site (i.e. process water or leachate)
- ▶ Provides protection against potential off-Site release and protection of key landfill systems in event of flooding
- ▶ Minimizes erosion from the landfill side slopes and ditches
- ▶ Eases constructability and does not interfere with construction of new Cells as the vertical expansion progresses
- ▶ Minimizes the use of culverts, pumps, and other mechanical equipment
- ▶ Minimizes long-term maintenance requirements
- ▶ Includes adequate buffer from the landfill footprint to allow the construction of a perimeter maintenance road as Cell development progresses
- ▶ Minimizes the impact to established ecosystems on Site, with the aim to improve existing habitats.

**Facility Administration: Devon Jamieson**

## 2019 HOUSEHOLD HAZARDOUS WASTE

Last Saturday of the following months

9:00 am - 2:00 pm  
March, April, May,  
June, September, October



Look for this  
symbol  
for collection days

Services are paid for by the **County of Lambton**. The waste management collection services are provided by **Clean Harbors Canada Inc.** located at 4090 Telfer Rd. This service is intended only for **household hazardous waste only**.

**Materials accepted are:** Drain Cleaner, Oven Cleaners, Pesticides, Rat Poison, Pharmaceuticals, Cleaning Fluids, Pool Chemicals, Ammonia, Bleach, Aerosols, Gasoline, Paints, BBQ Starter, Oil, Solvents, Propane Cylinders.

For full details visit [www.lambtononline.ca](http://www.lambtononline.ca)

Household Hazardous Waste Days are held to ensure proper disposal of hazardous materials at NO COST TO YOU. **For full details visit [www.lambtononline.ca](http://www.lambtononline.ca)**

- ▶ **2018/2019 Site Security Enhancements**
  - Late in 2018 the facility began making improvements to the site's security.

- Adding an enhanced secure access for both contractors and employees. Inside and out.

**Ministry Report: Don Hayes - Absent**

**Open Discussion / New Business:**

- ▶ Cap and trade
- ▶ Transfer Station

**Next meeting will be held on Tuesday April 16, 2019 at 5:00pm at Clean Harbors.**

**Please contact Devon Jamieson @ 519-864-3833 or e mail @ [jamieson.devon@cleanharbors.com](mailto:jamieson.devon@cleanharbors.com) with any questions, comments or concerns regarding the minutes prior to the next meeting.**



**COMMUNITY LIAISON & ADVISORY COMMITTEE  
MEETING MINUTES**

**April 16, 2019**

**Lambton Facility Board Room**

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**Attendees:**

|                         |                  |
|-------------------------|------------------|
| <i>Brian Murphy</i>     | <i>Neighbour</i> |
| <i>Bill Allingham</i>   | <i>Neighbour</i> |
| <i>Barry White</i>      | <i>Neighbour</i> |
| <i>Paul Vandersteen</i> | <i>Neighbour</i> |
| <i>Bibi Ali</i>         | <i>Neighbour</i> |
| <i>Jim Elliott</i>      | <i>Neighbour</i> |

|                       |   |
|-----------------------|---|
| <i>Erica Carabott</i> | <i>Clean Harbors, Facility Compliance Manager(Chair of meeting)</i> |
| <i>Jim Brown</i>      | <i>Clean Harbors, General Manager, Incinerator</i>                  |
| <i>Devon Jamieson</i> | <i>Clean Harbors, Facility Administrator (Secretary)</i>            |

**Regrets:**

|                  |  |
|------------------|--|
| <i>Don Hayes</i> | <i>Ministry of the Environment, Provincial Officer</i> |
| <i>Member</i>    | <i>St. Clair Township Councillor</i>                   |

**Guests:**

**4. Welcome**

- The meeting was called to order at 5:15 pm.

**5. Minutes from Last meeting**

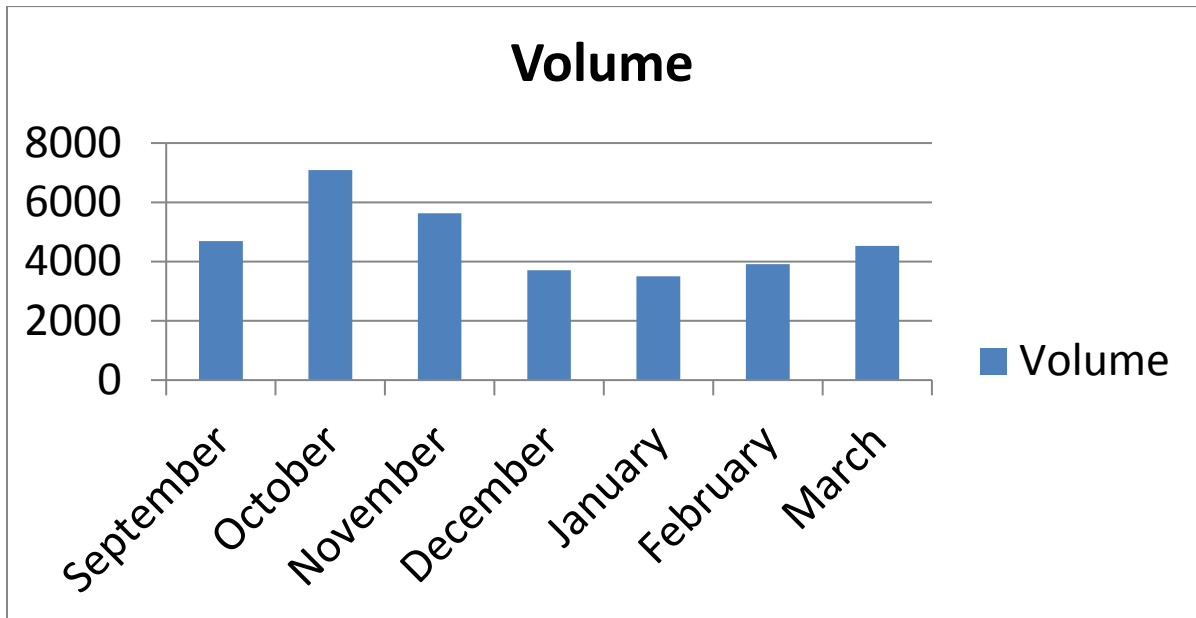
- Minutes from February 2018 meeting were approved by Brian Murphy and all were in favour.

**6. Facility Updates – (Presentations were made)**

**Landfill: Devon Jamieson**

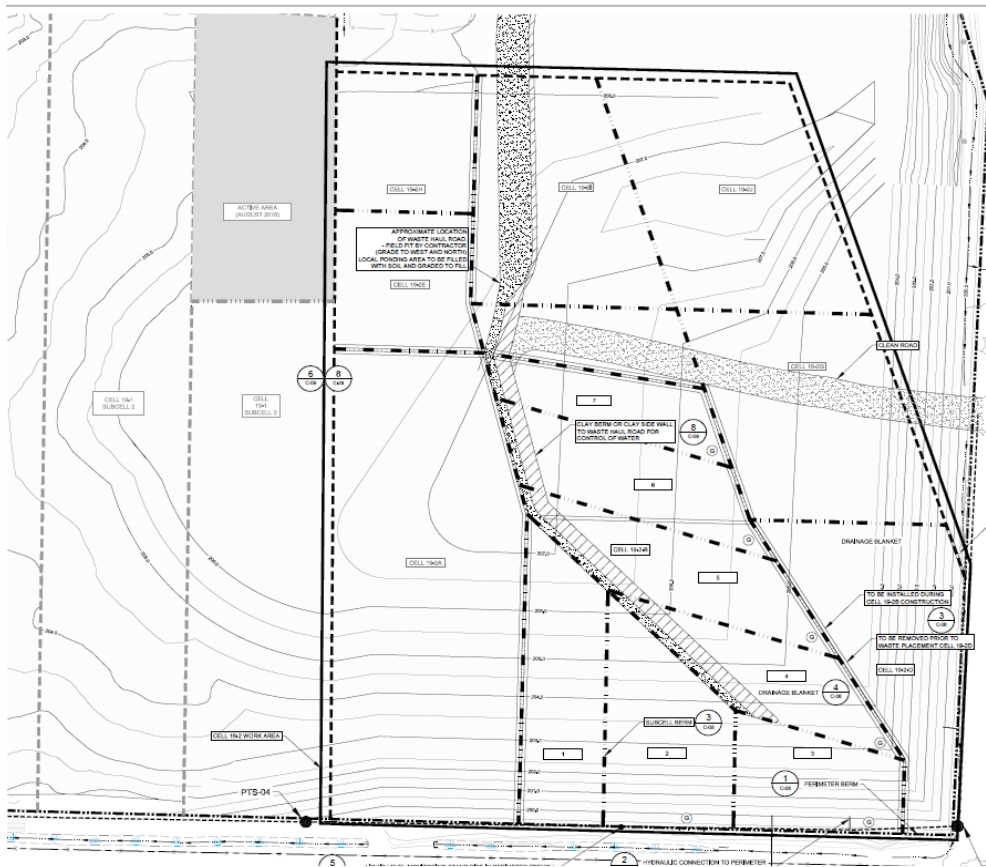
- Haz waste volumes picking up @ 800T/wk
- Higher volume from TSDF's in Chambly and MA due to projects.
- LDR pretreatment building very busy.
- Construction on site – Landfill haul road.
- New Equipment. D6 dozer and a new 336 Excavator





**Cell Update**

- ▶ 19-1-3 c capping complete
- ▶ 19-2-A closing in on capping.
- ▶ 19-2-B will be constructed this year.



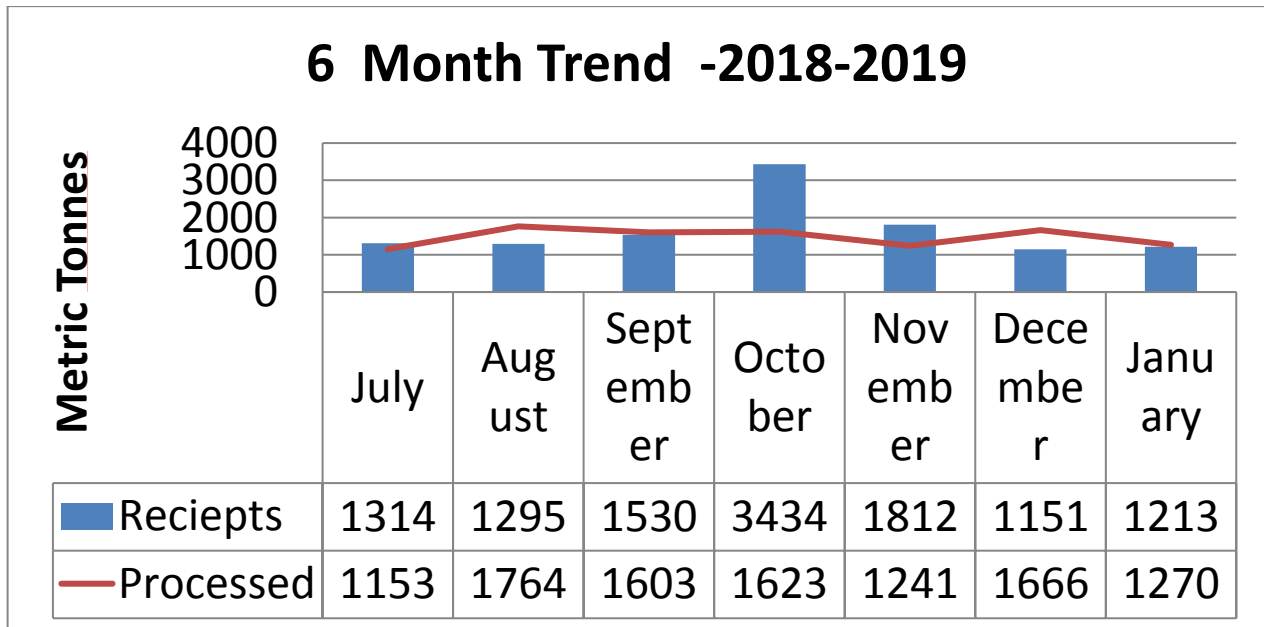
### Incineration: Jim Brown

- ▶ Incinerator has been operating smoothly through the first quarter.
- ▶ We had to shut down in February to replace some of the primary refractory as there were hot spots showing due to excessive refractory wear
- ▶ We were originally not going to replace refractory until the end of March
- ▶ Since we had to move the Spring shutdown to February for refractory reline our next shutdown will be mid June instead of July.
- ▶ We were down for 13 days in February so the one in June will be only be 7 or 8 days in duration.
- ▶ There will not be any refractory work or baghouse work to do so it will be mostly cleaning the ash (solids) out of the system
- ▶ We will also be doing some repair work on stack that could not be completed in February because of the weather
- ▶ We are getting closer on the new stack and ID fan design which we will be completing prior to the end of 2020.
- ▶ We have new compressors (3) being installed during the June shutdown. These will be more efficient and heat reduce our hydro cost
- ▶ We also will be washing the entire system from quench to baghouse
- ▶ The new Nitrogen blanketing system has been completed and has been working well.

- ▶ We are still trouble shooting the new fuel feed pumps. They gives us a nice steady flow just not as much as we need in some cases.
- ▶ Our yearly stack test is scheduled for First part of October.

**Thermal Desorber: Devon Jamieson**

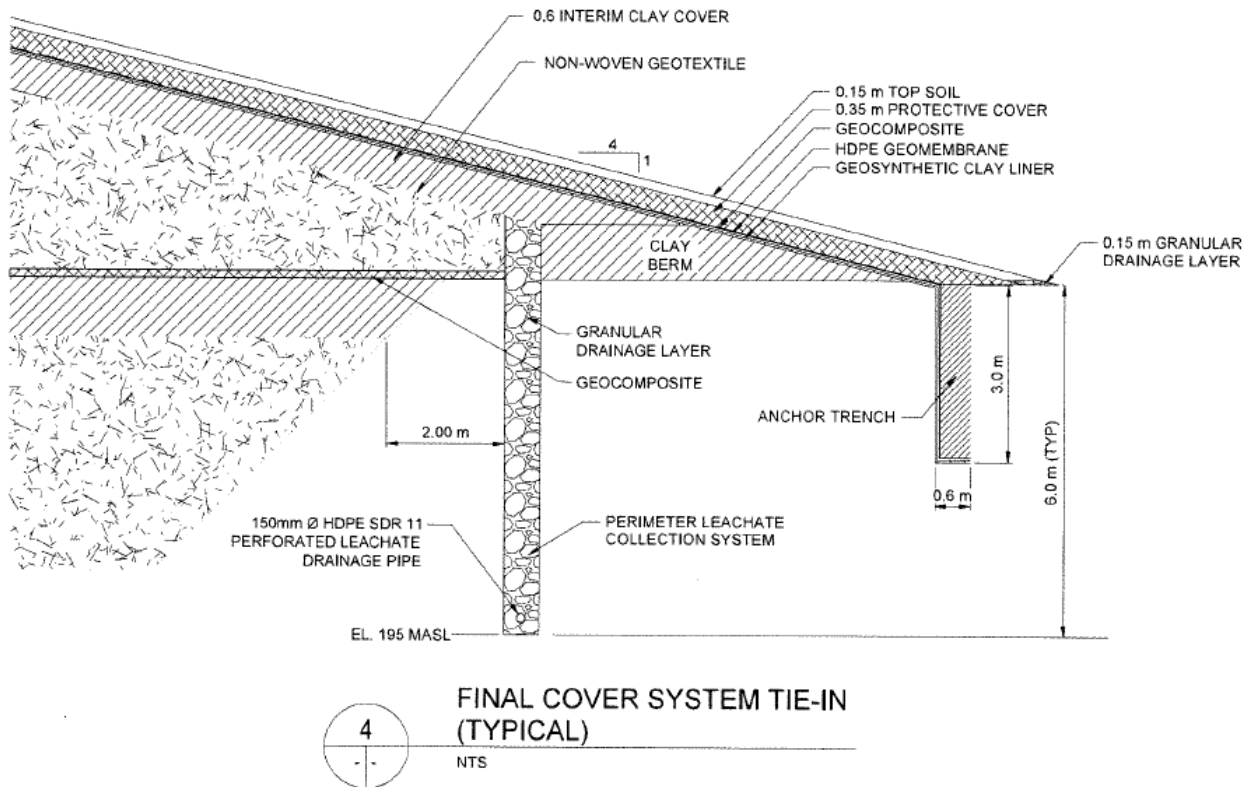
- ▶ Inbound Volumes have been steady
- ▶ 8000 T of Material on site
- ▶ No major catalyst projects underway
- ▶ Annual waste Projects scheduled for end of April early May.
- ▶ Shutdown – June, Feed Hopper modifications.
- ▶ Adjustments to feed stock to ensure we are maximizing production.
- ▶ Container staging



**Compliance: Erica Carabott**

- ▶ On April 3 routine monitoring of the surface water ponds found trace quantities of VOCs in the West Pond and EQ Pond.
  - The water levels were extremely low and posed no environmental or health risks. Water was still within the Provincial Water Quality limits.
- ▶ Off-site surface water discharge was immediately stopped.
- ▶ A small seep was found in the south-west corner of the landfill.  
MOE was notified. Currently working on an abatement plan with MOE to manage the situation

Working with the contractor to plug the ditch with clay and place the final cover anchor trench.



- ▶ 2018 Annual Landfill Report has been submitted to the Ministry of Environment.
  - Contains reports of the groundwater monitoring, surface water monitoring, biomonitoring and air monitoring programs conducted in 2018.
  - Contains information to satisfy the ECA permit condition.
  - A copy will be made available on the Clean Harbors website.
- ▶ Mercury stack test results for February 20, 2019.
  - Limit is 50µg/Rm3; our result was 4.34µg/Rm3

**Facility Administration: Devon Jamieson**

No updates at this time

**Ministry Report: Don Hayes – Absent**

No updates at this time

**Open Discussion / New Business:**

New members of the committee (Bibi Ali) to let Devon know if she is interested.

**Next meeting will be held on Tuesday June 11, 2019 at 5:00pm at Clean Harbors.  
Please contact Devon Jamieson @ 519-864-3833 or e mail @ [jamieson.devon@cleanharbors.com](mailto:jamieson.devon@cleanharbors.com)  
with any questions, comments or concerns regarding the minutes prior to the next meeting.**



**COMMUNITY LIAISON & ADVISORY COMMITTEE  
MEETING MINUTES**

**June 11, 2019**

**Lambton Facility Board Room**

**Attendees:**

*Brian Murphy  
Bill Allingham  
Barry White  
Paul Vandersteen  
Jim Elliott*

*Neighbour  
Neighbour  
Neighbour  
Neighbour  
Neighbour*

*Steve Miller  
Jim Degurse*

*St. Clair Township Councillor  
St. Clair Township Councillor*

*Erica Carabott  
Jim Brown  
Devon Jamieson*

*Clean Harbors, Facility Compliance Manager(Chair of meeting)  
Clean Harbors, General Manager, Incinerator  
Clean Harbors, General Manager, Landfill / TDU (Secretary)*

**Regrets:**

*Maisa Fumagalli  
Paul Vandersteen  
Jim Elliott*

*Ministry of the Environment, Provincial Officer  
Neighbour  
Neighbour*

**Guests:**

**7. Welcome**

- The meeting was called to order at 5:15 pm.

**8. Minutes from Last meeting**

- Minutes from April 2019 meeting were approved by Bill Allingham, seconded by Brian Murphy and all were in favour.

**9. Facility Updates – (Presentations were made)**

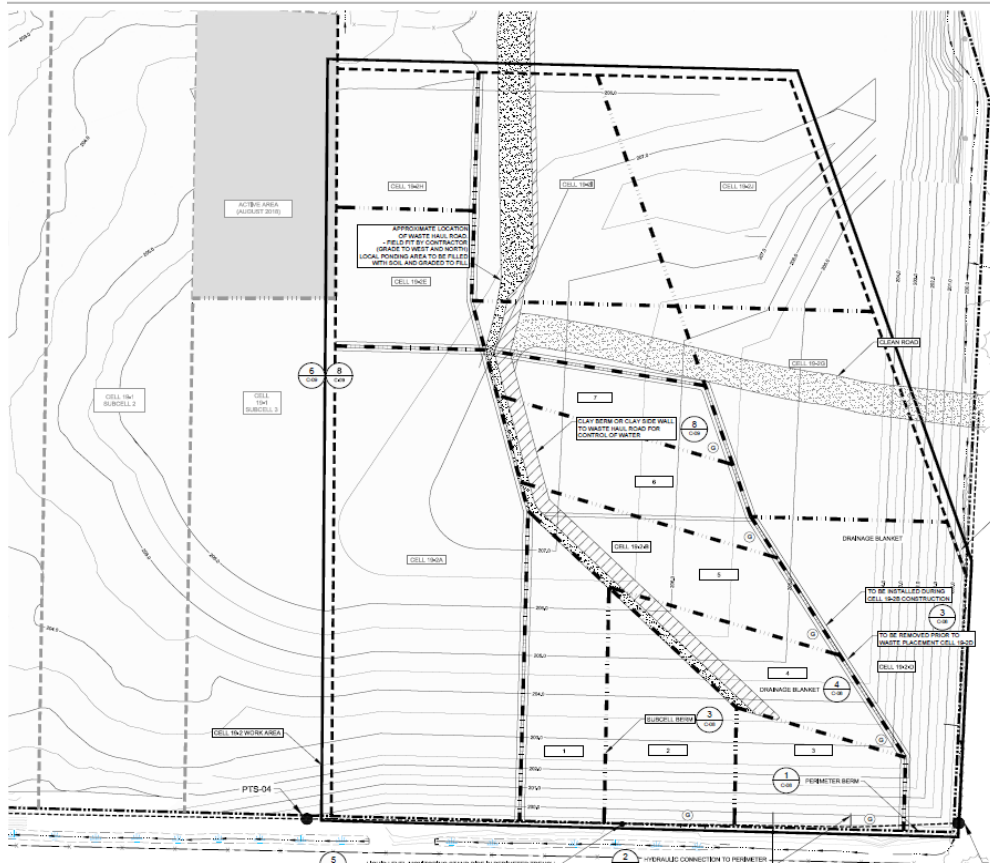
**Landfill: Devon Jamieson**

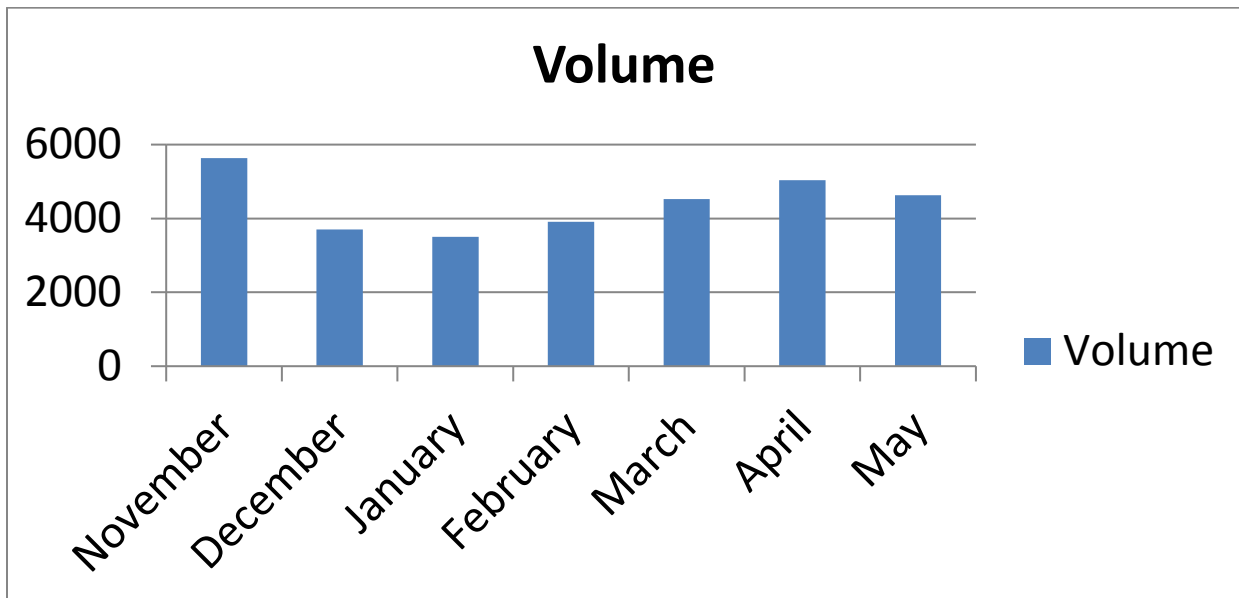
- Haz waste volumes are low
- Construction on site – Final Cover preparation underway
- New Equipment. D6 dozer and a new 336 Excavator set to arrive next Month.

- Installation of new cover over leachate pond.

**Cell Update**

- 19-2-A closing in on capping within next few weeks
- 19-2-B will be constructed this year





### Incineration: Jim Brown

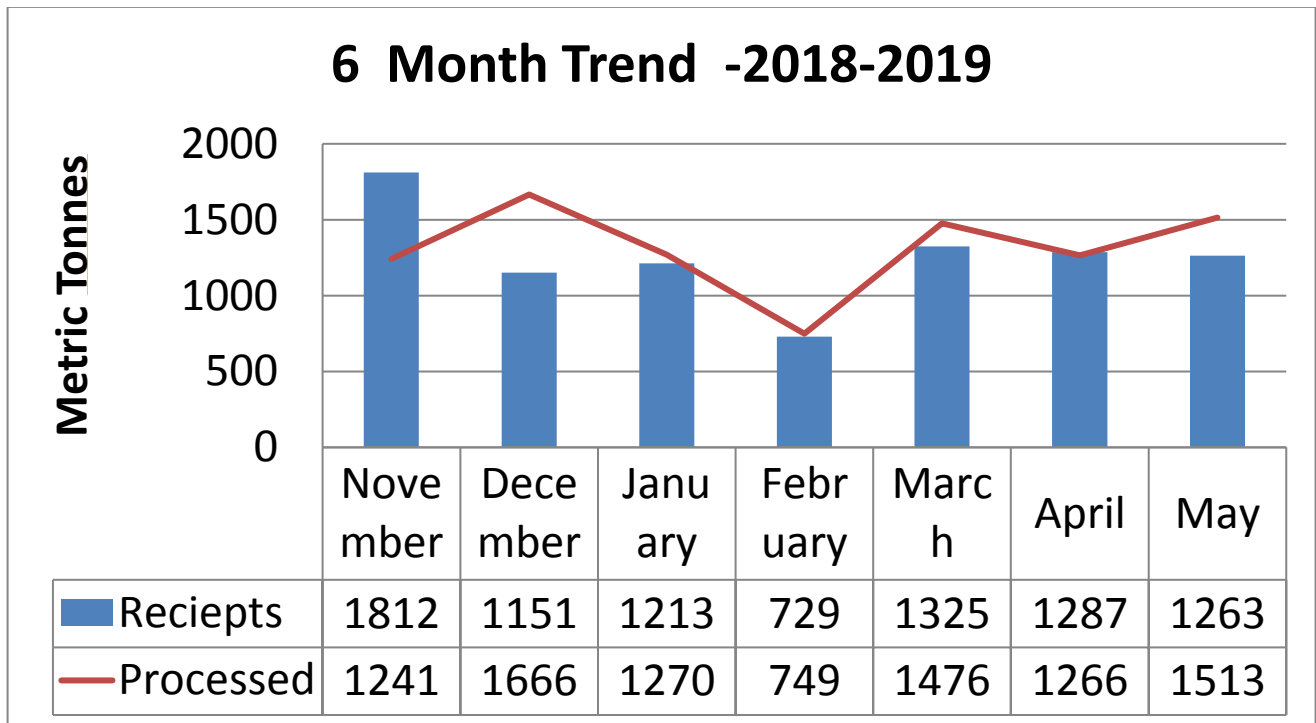
- ▶ April and May have been good months for the incinerator.
- ▶ There is still a lot of Customer demand for all types of liquid waste.
- ▶ A lot of work has been done scheduling waste to satisfy our customers.
- ▶ Some waste have been shared with sister facilities to make it work.
- ▶ Average throughput has been around 90% or 220 lpm and we would like to be at 95% or 232 lpm.
- ▶ Our Maximum throughput limit is 245 lpm.
- ▶ All waste incinerates a little different, some needs more combustion air some needs less. Some waste incinerates better at a higher temperature and some incinerate fine at an average range of 1400 C.
- ▶ Getting the last 5 to 10 lpm is sometimes tough.
- ▶ We started our shutdown on June 8, 2019.
- ▶ We are anticipating an 8-day shutdown.
- ▶ We started the preparation work June 3 on the compressor project and Stack repairs.
- ▶ We are replacing just over 400 bags.
- ▶ That are 100 bags in each compartment.
- ▶ On Sunday June 9 we had our annual high voltage electrical inspected completed and there was no issues.
- ▶ We have purchased a new compressed air system which is being installed this shutdown.
- ▶ All three current compressors will be removed and three new compressors will be installed in their place.
- ▶ The air dryers will also be replace with new ones.
- ▶ This will greatly reduce the consumption of hydro to give us the same volume and quality of air.
- ▶ We are not expecting any refractory work to be completed as we just replaced all the refractory in February.



- ▶ ICM will be doing general maintenance inside the stack, as a couple areas showed some wear during the UV testing.
- ▶ Our millwrights will be welding some patches on the duct between the baghouse and the ID fan.
- ▶ We are also going to have Reftech install a couple new ports in the secondary combustion chamber.
- ▶ These ports will be used to inject leachate into the combustion chamber for destruction.

**Thermal Desorber: Devon Jamieson**

- ▶ Inbound Volumes have been steady.
- ▶ 8000 T of Material on site.
- ▶ Catalyst projects are underway.
- ▶ Annual waste Projects are nearing end of run.
- ▶ Shutdown – June, Feed Hopper, screw, modifications.
- ▶ Adjustments to feed stock to ensure we are maximizing production.



**Compliance: Erica Carabott**

- ▶ South surface water ditch remediation is underway.
  - The SW corner, the mid-section and SE corner have been managed.
  - The company issued a plan of action to the Ministry of the Environment, Conservation and Parks which they agree upon through a Provincial Officer's Order.



- ▶ Mercury stack test scheduled for July 3, 2019.
- ▶ Maisa Fumagalli is now assigned as the Provincial Officer for the facility.

### Ministry Report: Maisa Fumagalli – Absent

No updates at this time

### Open Discussion / New Business:

- ▶ New members of the committee (Bibi Ali) to let Devon know if she is interested Bill Allingham to follow up. If Bibi is not interested, a memo will go out to the neighbours to enquire if anyone else was interested.
- ▶ Members asked about Thallium waste shipping from BC and if we were accepting it. Erica had explained that there is a current approval in front of the Ministry and we are awaiting their comments. She also explained that the approval is in regards to a disposal variance (as allowed by regulation 347) and that the Company is already approved to accept Thallium waste.
- ▶ Facility Open House – Looking to schedule for the end of August. (The Committee and public will be notified)

**Next meeting will be held on Tuesday September 17, 2019 at 5:00pm at Clean Harbors.  
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**COMMUNITY LIAISON & ADVISORY COMMITTEE  
MEETING MINUTES**

**September 17, 2019**

**Lambton Facility Board Room**

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*Brian Murphy  
Bill Allingham  
Barry White  
Jim Elliott*

*Neighbour  
Neighbour  
Neighbour  
Neighbour*

*Steve Miller  
Jim Degurse*

*St. Clair Township Councillor  
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*Erica Carabott  
Jim Brown  
Devon Jamieson*

*Clean Harbors, Facility Compliance Manager (Chair of meeting)  
Clean Harbors, General Manager, Incinerator  
Clean Harbors, General Manager, Landfill / TDU (Secretary)*

*Maisa Fumagalli*

*Ministry of the Environment, Provincial Officer*

**Regrets:**

*Paul Vandersteen*

*Neighbour*

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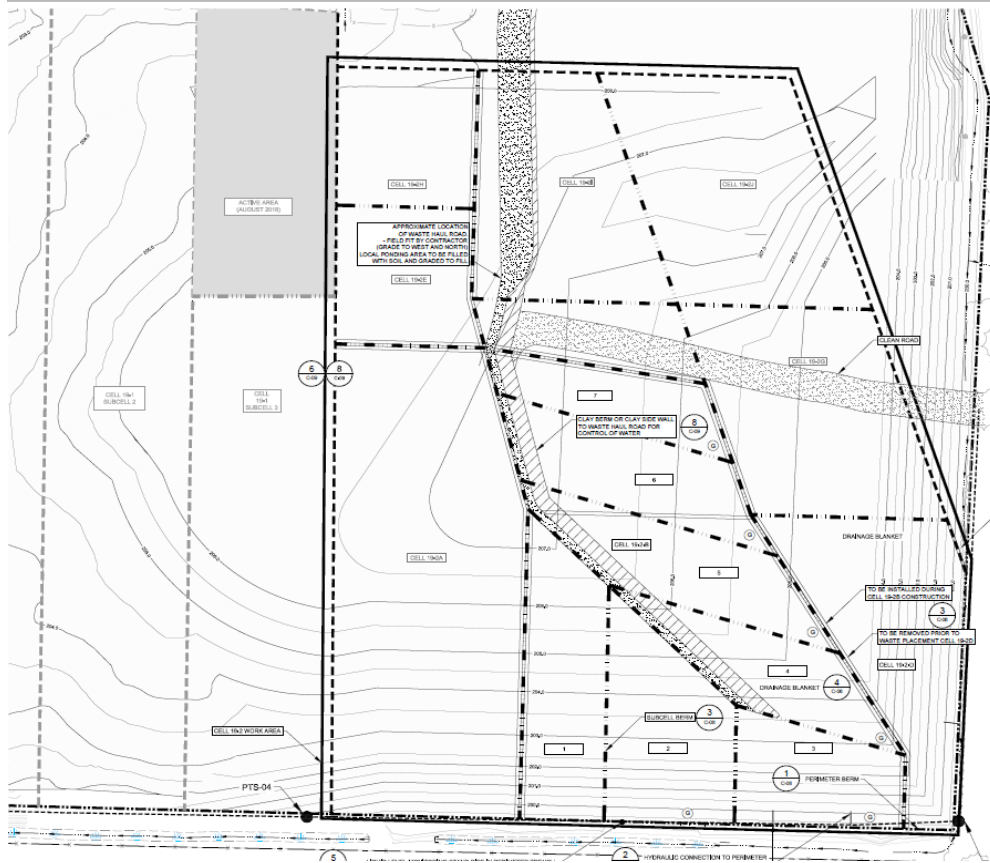
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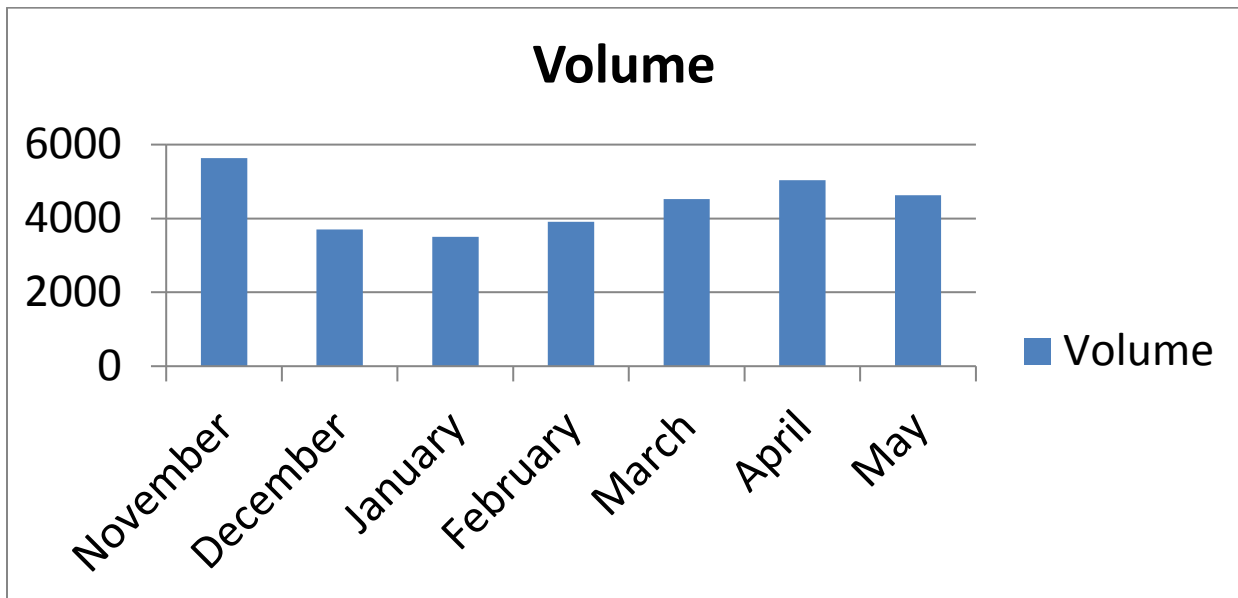
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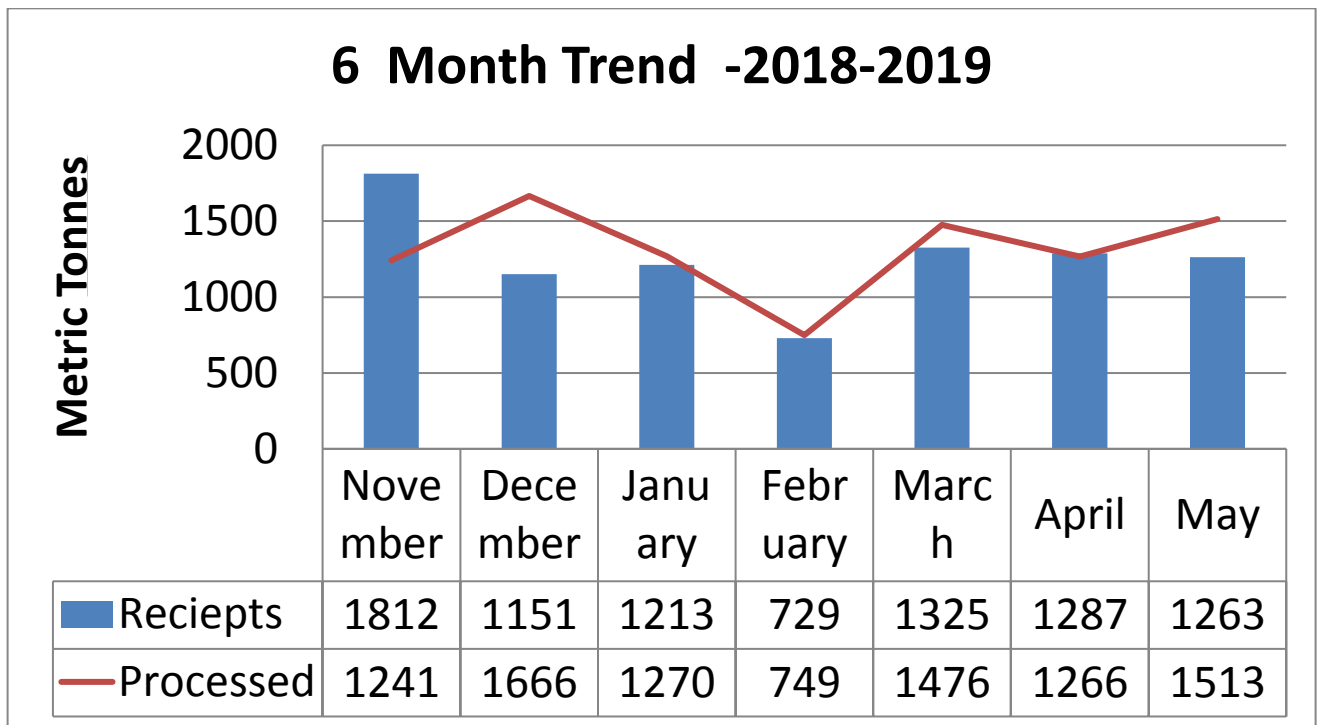
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**COMMUNITY LIAISON & ADVISORY COMMITTEE  
MEETING MINUTES**

**November 19, 2019**

**Lambton Facility Board Room**

**Attendees:**

*Brian Murphy  
Bill Allingham  
Barry White  
Jim Elliott  
Paul Vandersteen*

*Neighbour  
Neighbour  
Neighbour  
Neighbour  
Neighbour*

*Steve Miller  
Jim Degurse*

*St. Clair Township Councillor  
St. Clair Township Councillor*

*Erica Carabott  
Jim Brown*

*Clean Harbors, Facility Compliance Manager (Chair of meeting)  
Clean Harbors, General Manager, Incinerator*

*Maisa Fumagalli*

*Ministry of the Environment, Provincial Officer*

**Regrets:**

*Devon Jamieson*

*Clean Harbors, General Manager, Landfill / TDU (Secretary)*

**Guests:**

**13. Welcome**

- The meeting was called to order at 5:15 pm.

**14. Minutes from Last meeting**

- Minutes will be approved at next meeting.

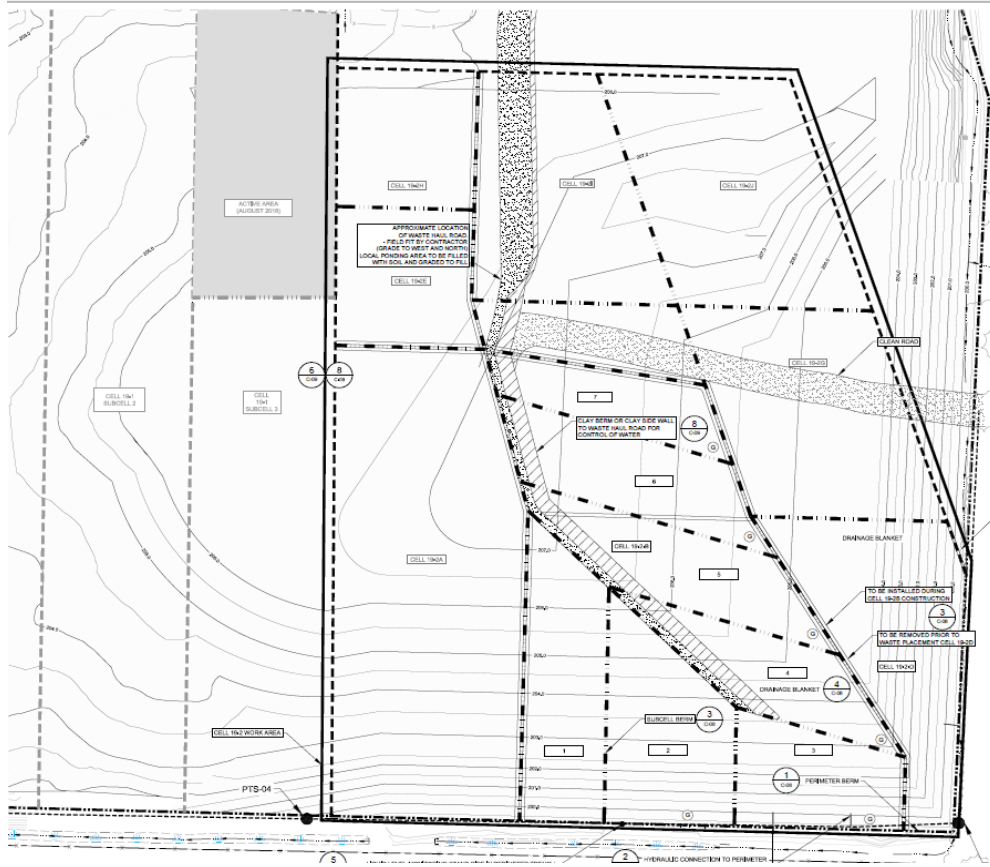
**15. Facility Updates – (Presentations were made)**

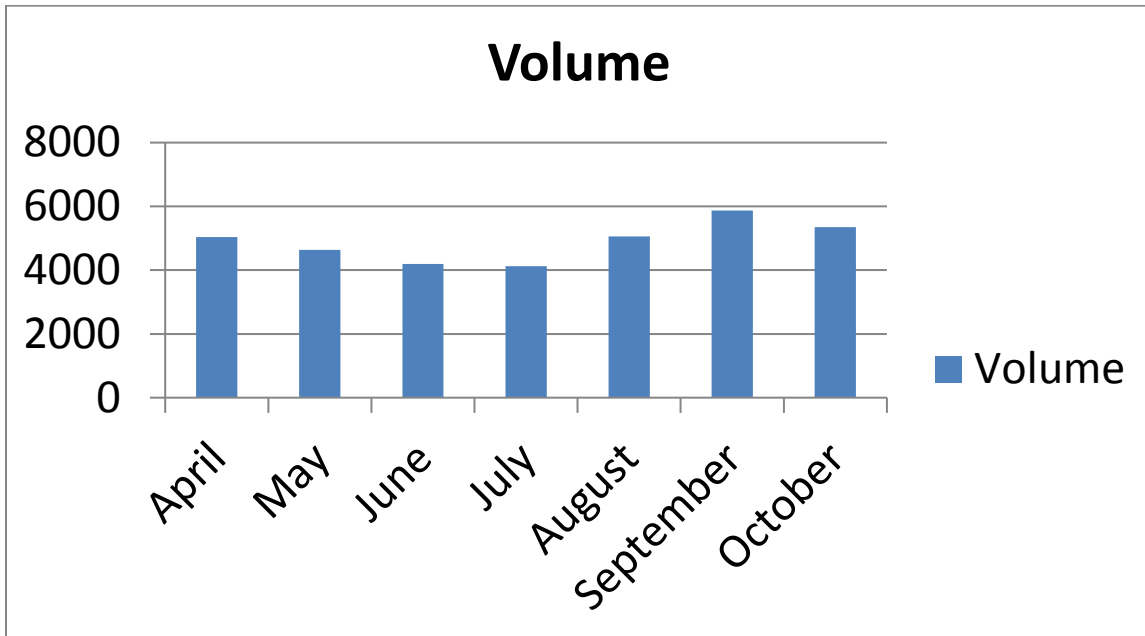
**Landfill: Devon Jamieson (absent)**

- Haz waste volumes are low, but some non haz volumes are starting to come up.
- Construction on site – Final Cover work, new cells opening.
- New Equipment. D6 dozer and excavator for LDR.
- Continuous capping will be ongoing weather permitting.
- Covering as we move forward will lessen the amount of leachate generated.

### Cell Update

- ▶ 19-2-A capped.
- ▶ 19-2-B-1 full and partially capped.
- ▶ 19-2-B-2 full and ready for cap.
- ▶ 19-2-B-3 cell just opened and in use.





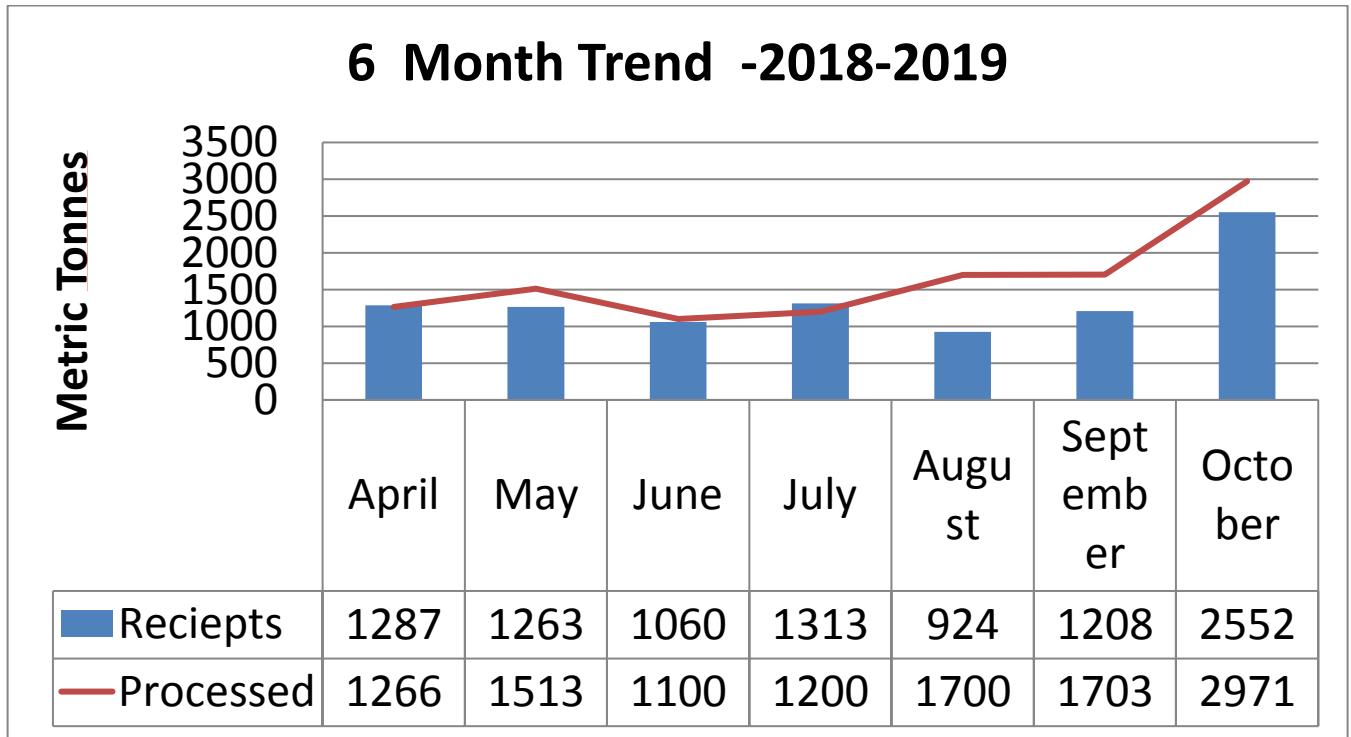
#### Incineration: Jim Brown

- ▶ Incinerator is running steady
- ▶ Averaging ~ 220 liters per minute when up and running
- ▶ Customers have a lot of low heat value material to ship us
- ▶ High heat value material is off and on
- ▶ We have been feeding the Leachate into the combustion zone at approximately 40 lpm which is higher than last year.
- ▶ The goal is to destroy 1.3 million liters each month through the incinerator and not place any in storage if possible.
- ▶ We still have some frac tanks storing leachate on site.
- ▶ Our Annual stack testing occurred Oct 8th, 9th and 10th
- ▶ We were able to maintain high rates through the three days of testing
- ▶ All testing went as scheduled and they finished sampling Thursday afternoon
- ▶ We started our shutdown on Nov 2, 2019
- ▶ A lot of slag in the secondary this time as we delayed the shutdown a couple weeks to get us through until next March before we have to shutdown again.
- ▶ Some refractory work but not a lot which is good
- ▶ Replaced 36 bags in the bag house
- ▶ We have been working hard on a new preventative maintenance program which will replace MP2
- ▶ This system is more user friendly and will allow a lot more information to be gathered on all our assets
- ▶ Employees working in the field will be a lot more active in entering their activities on a daily bases

**Thermal Desorber: Devon Jamieson (absent)**

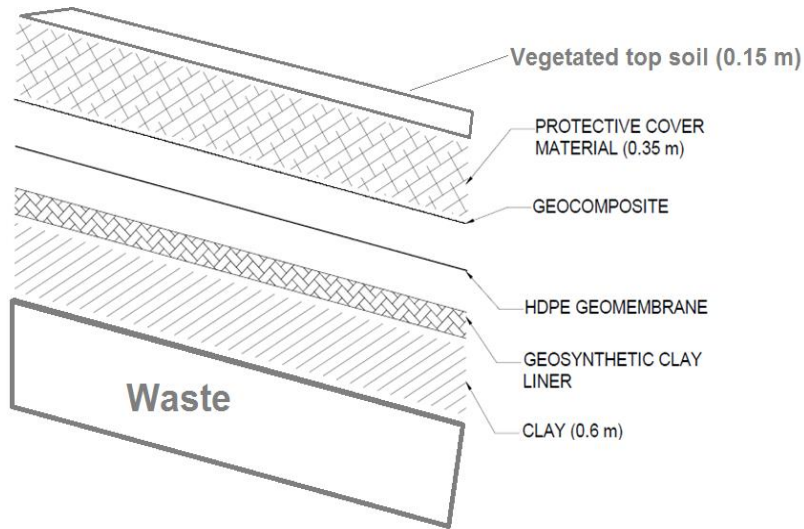
Inbound Volumes have been steady

- 4000 T of Material on site
- Volumes steady, rising production.
- Catalyst projects are ramping up again
- Annual waste Projects have slowed down for the year.
- Shutdown – November: General Modifications and cleanout. Unit Back up and running very well.



**Compliance: Erica Carabott**

- ▶ South surface water ditch remediation is complete for this year.
  - The company issued a plan of action to the Ministry of the Environment, Conservation and Parks which they agree upon through a Provincial Officer's Order.
  - Remediation work was slowed down in the summer by rain events.
- ▶ Final cover is being applied to cell 19-1.



- ▶ So far completed up to the geocomposite layer.
- ▶ Work was slow due to rain events and windy conditions.
  - Membranes could not be installed in windy and wet conditions.
- ▶ Expect to finalize the installation in 2020.
- ▶ Annual Stack Test was completed during the week of October 7.
  - RATA (Relative Accuracy Testing Audit) conducted during this stack test, as requested by MECP. This compares the CEM readings from our incinerator to the readings taken during the test to see how accurate the incinerator readings are.
  - Report expected in December 2019/ January 2020.
- ▶ Open House was held on September 25, 2019.
  - Low community turnout this year.

#### Ministry Report: Maisa Fumagalli

- ▶ Water management and leachate management on site – Progress being made
- ▶ Two odour complaints from the same area – looking for correlation.
- ▶ Working with the approvals branch – future plans for the facility.

#### Open Discussion / New Business:

- ▶ None

**Next meeting will be held on Tuesday February 4, 2020 at 5:00pm at Clean Harbors.**

**Please contact Devon Jamieson @ 519-864-3833 or e mail @ [jamieson.devon@cleanharbors.com](mailto:jamieson.devon@cleanharbors.com) with any questions, comments or concerns regarding the minutes prior to the next meeting.**