

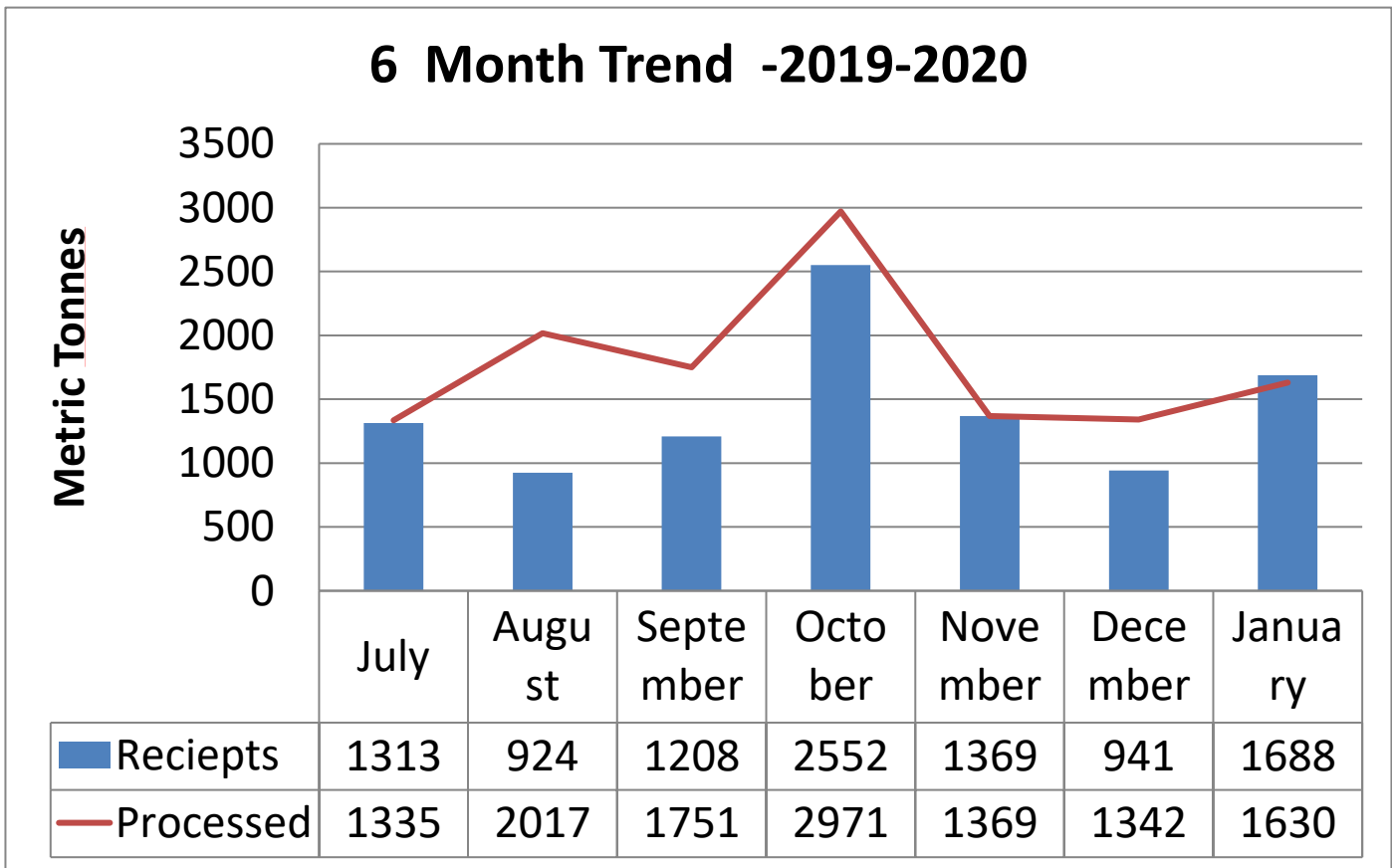
Incineration: Jim Brown

- Incinerator is running steady
- Averaging ~ 220 liters per minute when up and running
- Incoming waste has been slower than normal this January
- 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 next shutdown is scheduled for Feb 15, 2020
- We have scheduled 8 days
- We are seeing more refractory wear than usual and are looking for solutions to this
- Replacing refractory is both time consuming and very costly
- We are replacing a lot of refractory in primary and secondary
- We are changing out all 1624 bags in the baghouse
- We are getting steel rolled to add another skin (layer of steel) to the breach. This is the duct that carries the flue gases from the ID fan to the stack.
- 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 daily
- In July we are planning on installing the silencer on the stack. The engineered drawings have been completed and will be going out for bids this week.

- This will be a lengthy process as ID fan has to be moved which in turn will require duct work change out.
- If we change out the stack then it would not happen until the fall.

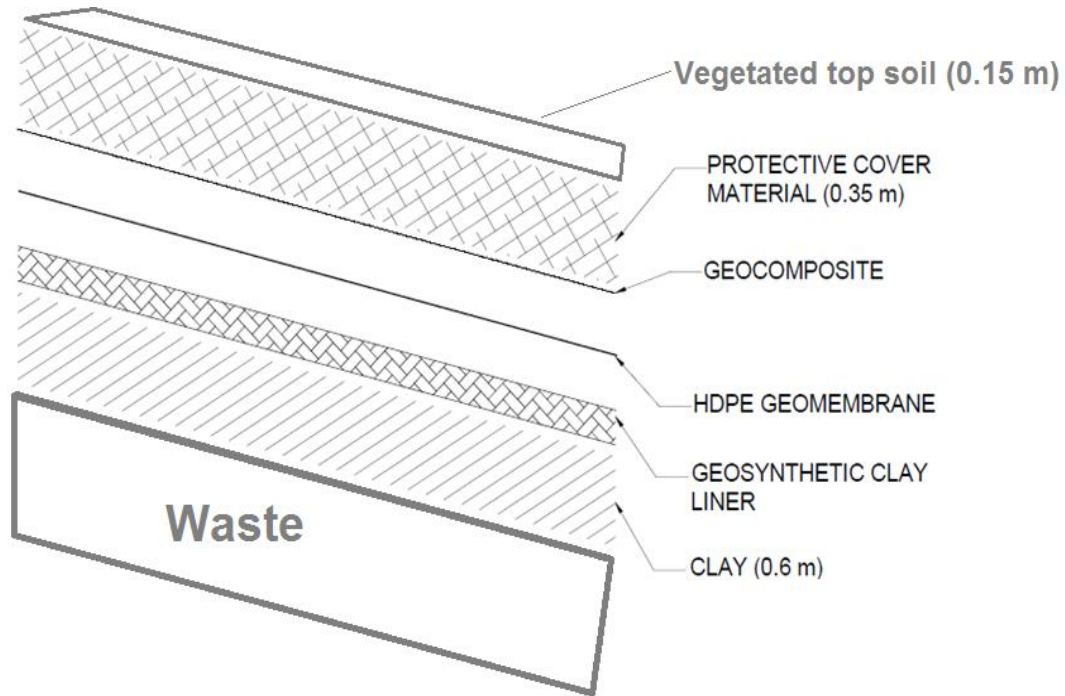
Thermal Desorber: Devon Jamieson

- 1688T of Material Received in January.
- Catalyst from Nanticoke expected to arrive in February.
- Annual waste Projects scheduled for end of March into April.
- Shutdown – Modifications to the drum, auger system, wash out, General Maintenance. 8 Day turnaround Scheduled for the 15th.



Compliance:

- Final Cover work is in progress; clay is being moved on top of the geocomposite liner.
- Expect to finalize the installation in 2020.



- Mercury stack test scheduled for February 25.
- The Annual Landfill Report is in progress; report is to be submitted by April 1, 2020.
- Monitoring programs will be commencing in the coming months (with the exception of the surface water monitoring, since we are already discharging this year).

Open Discussion / New Business:

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



**COMMUNITY LIAISON & ADVISORY COMMITTEE
Clean Harbors Facility Updates**

June 5, 2020

Dear Neighbour,

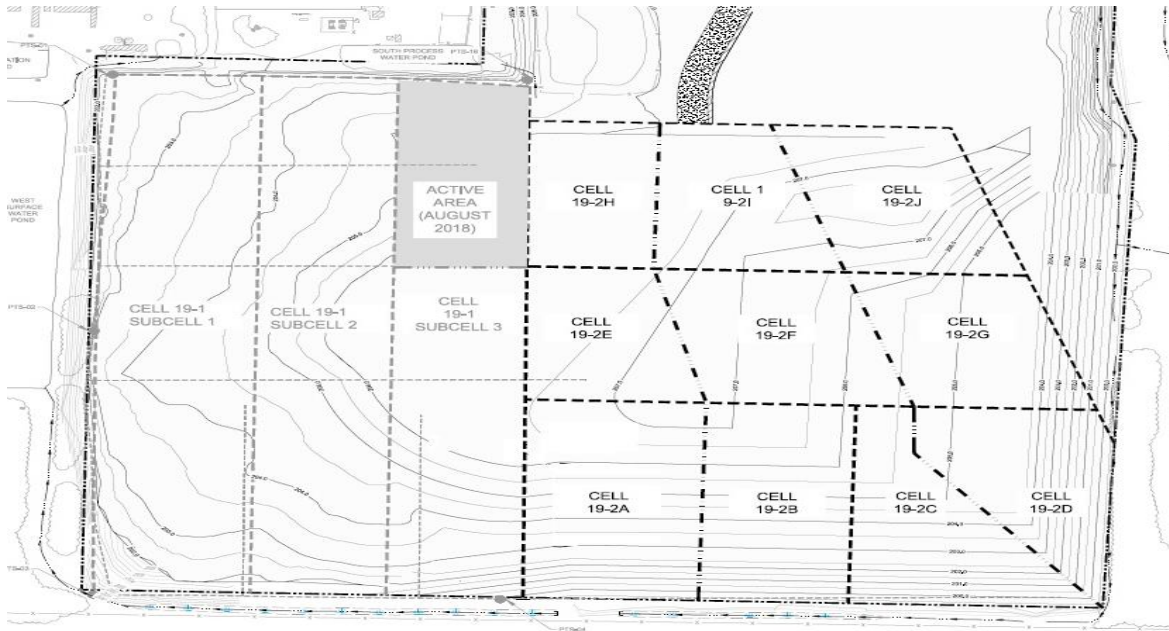
Due to the current pandemic situation we find ourselves in, Clean Harbors has not conducted CLAC meetings at the facility. Until it is safe for the CLAC meetings to start up again, the facility will be mailing out updates in lieu of the meeting minutes. Enclosed with this letter is the first such update. Please feel free to reach out to the facility should you have any questions or concerns.

Stay safe,

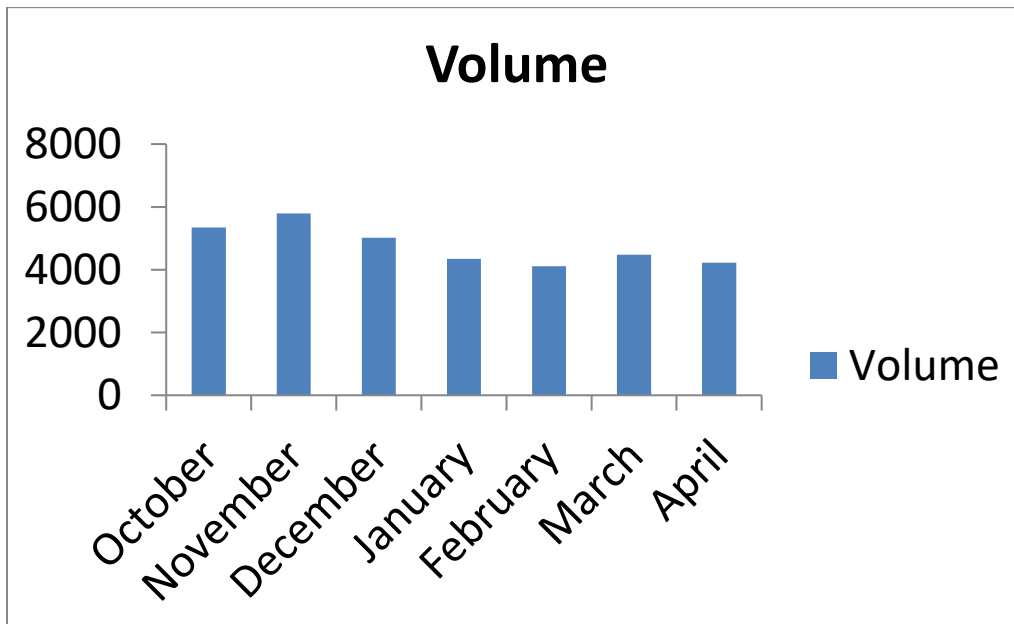
The Clean Harbors team.

Landfill Update.

- Landfill has started the year out strong with an inbound log averaging 6000 Tons Monthly.
- SPL streams for disposal in the horizon for hydrolysis treatment.
- Currently opening next cell for landfilling.
- Have enough landfill air space to get us through to Fall.
- 19-2A, interim capping underway.
- 19-2B almost filled, capped to face of waste to reduce leachate formation.



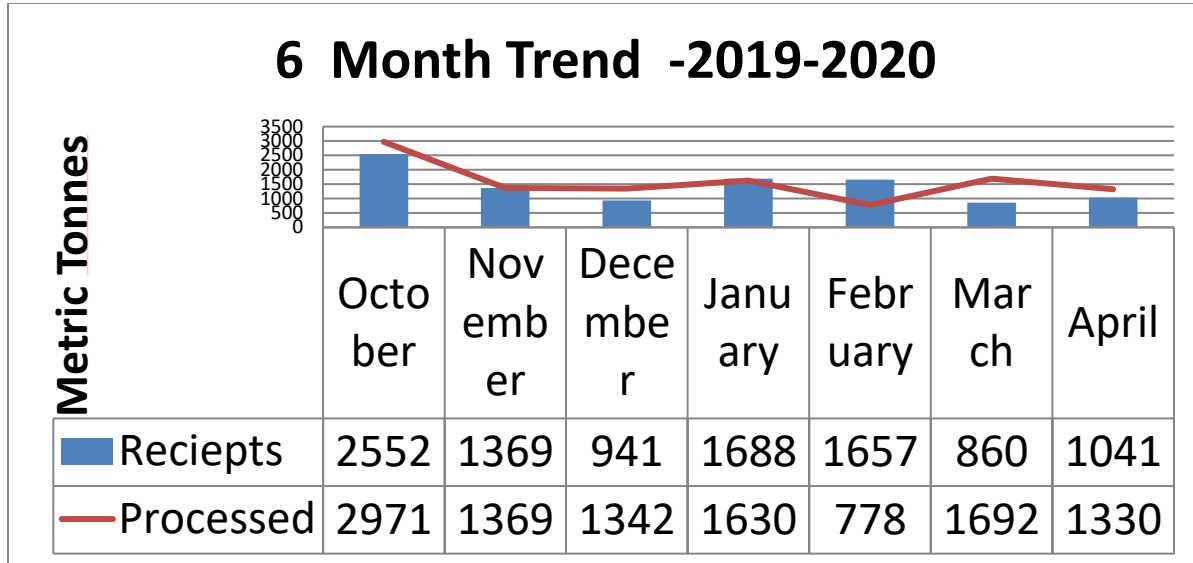
- Working on the final covering of Cell 19-1 with the clay layer on top of the Geo textile membrane. Installing anchor trench.
- Pond construction underway.
- Constructing access road to the landfill and associated ditching.



TDU Update.

Inbound Volumes have started to decline.

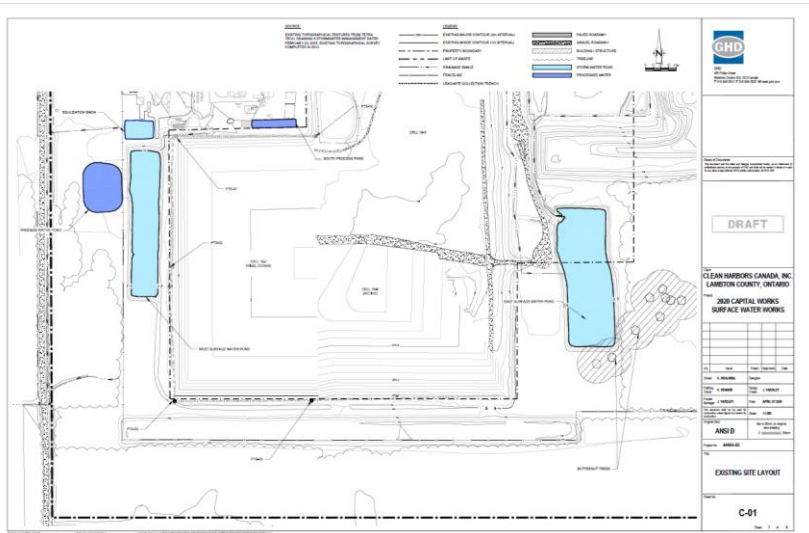
- Only expecting 800Tons of inbound material.
- No current catalyst projects underway
- Annual waste Projects that were scheduled to begin in April/May have mostly died off with the exception of a few from the US.
- Shutdown – Modifications to the Hopper, baghouse, wash out, General Maintenance. 8 Day turnaround scheduled for July 2020.

Incinerator Update.

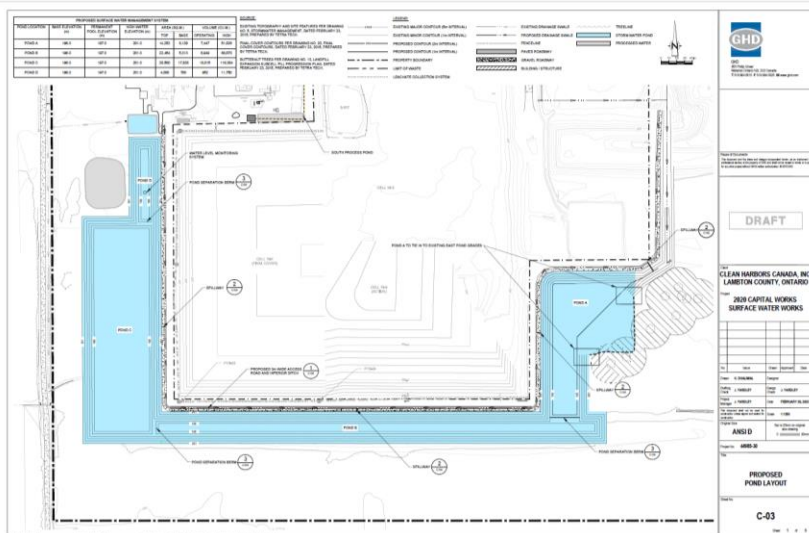
- Incinerator is running steady
 - Averaging ~ 220 liters per minute when up and running
 - Incoming waste has been plentiful the last few months
 - We have waste scheduled for receiving till the end of June right now
- We have been feeding the Leachate into the combustion zone at approximately 40 lpm 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.
 - With the dryer than normal spring we have managed to get most of the frac tanks emptied
 - All frac tanks have been emptied.
- Are next shutdown is scheduled for July 11/20
 - We have scheduled 8 days
 - Since we just did the refractory we are not expecting any repairs needed inside primary
 - The bags should be in good condition also
 - We are not installing the new silencer in July as originally reported.
- The new preventative maintenance program FAM is well on it's well now.
- 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 daily
- We are still working out a few bugs such as inventory, and reordering of parts.

Compliance Update.

- Final cover of cell 19-1 continues and the facility anticipates this to be complete in 2020.
- Construction of a new stormwater pond system commenced in May 2020. Construction of the new stormwater pond system will continue throughout 2020.
 - The habitat compensation area has been selected, and the area has been marked up in the field south of the Clean Harbors facility. This area will make up for the habitat removed during the construction of the new stormwater pond system. Soils and other materials have been moved from the construction area to the habitat compensation area to be used as part of the habitat compensation project.



Old stormwater pond system.



New stormwater pond system.

- The 2019 Annual Landfill Report was finalized, and copies submitted to the Ministry of the Environment, Conservation and Parks, as well as the Township of St. Clair, Walpole Island First Nation and Aamjiwnaang First Nation.
 - This report contains reports of the groundwater monitoring, surface water monitoring, biomonitoring and air monitoring programs and all information to satisfy the ECA permit condition.
- A mercury stack test was conducted at the incinerator on March 23, 2020. The incinerator is required to run at up to 50 µg/Rm³ of mercury, and the test done on March 23, 2020 read mercury

at 5.91 µg/Rm³, well within the permit limit. The next mercury stack test is scheduled for June 2020, and the comprehensive incinerator stack test is scheduled for October 2020.

- The spring groundwater monitoring event is set for the first week of June 2020. Fenceline air monitoring started in May 2020. The biomonitoring program will commence shortly as well.

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



**COMMUNITY LIAISON & ADVISORY COMMITTEE
Clean Harbors Facility Updates**

December 18, 2020

Dear Neighbour,

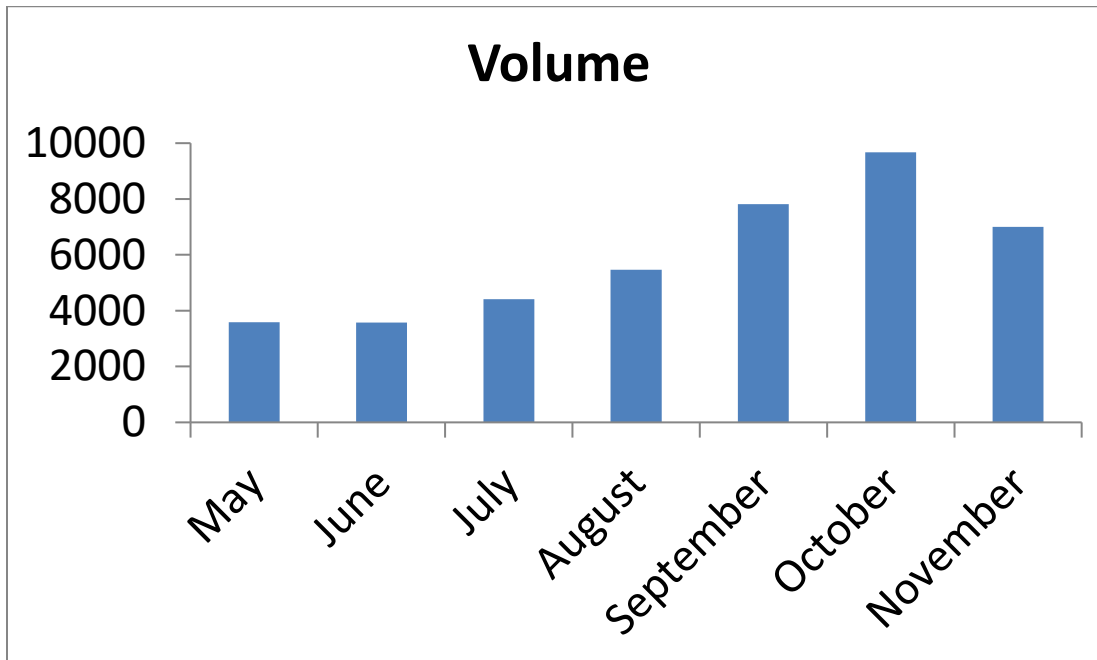
Due to the current pandemic situation we find ourselves in, Clean Harbors has not conducted CLAC meetings at the facility. Until it is safe for the CLAC meetings to start up again, the facility will be mailing out updates in lieu of the meeting minutes. Enclosed with this letter is the first such update. Please feel free to reach out to the facility should you have any questions or concerns.

Stay safe and happy holidays,

The Clean Harbors team.

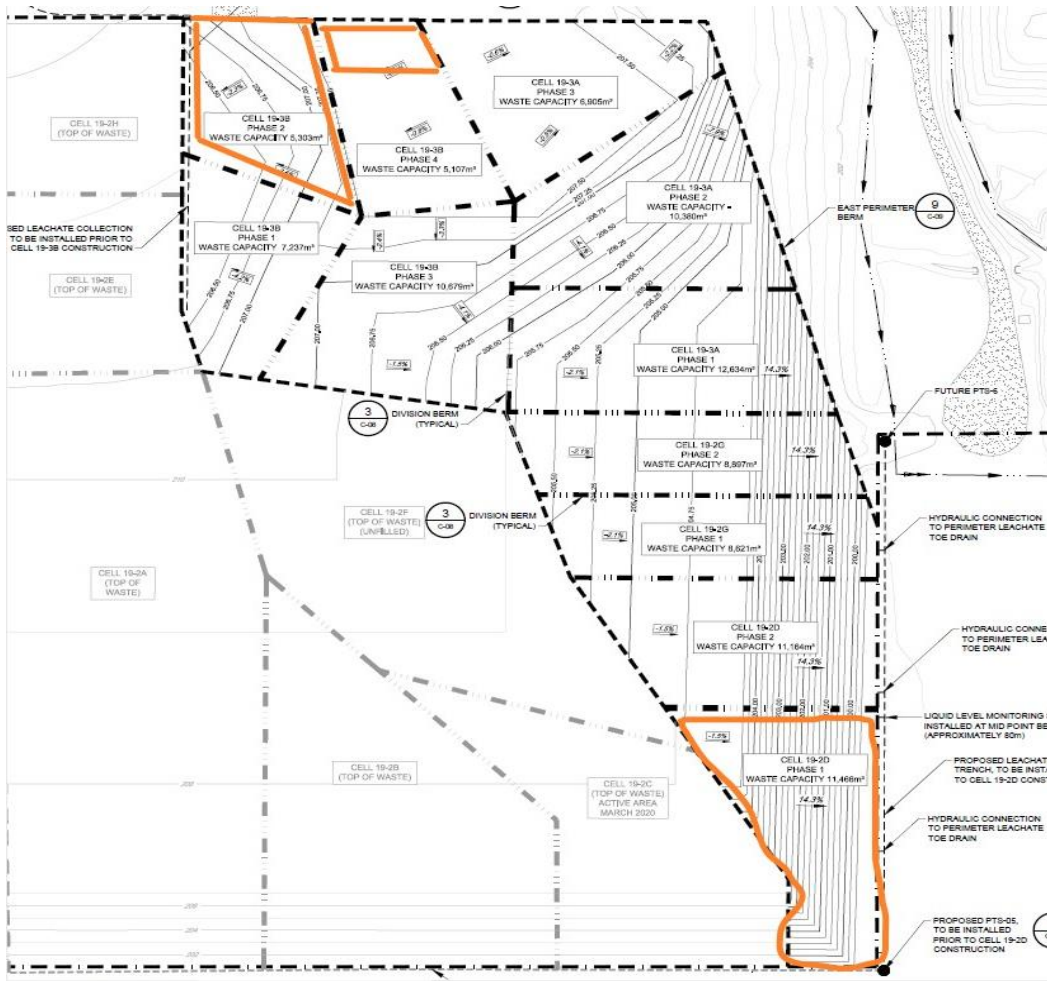
Landfill Update.

- Capacity update:
 - Landfill continues to average around 6000 Tons of inbound waste monthly, and we saw a strong increase in volumes in October.
 - SPL streams will continue into the new year.
 - Currently opening next cell for landfilling.
 - Have enough air space to get us through to spring of 2021.



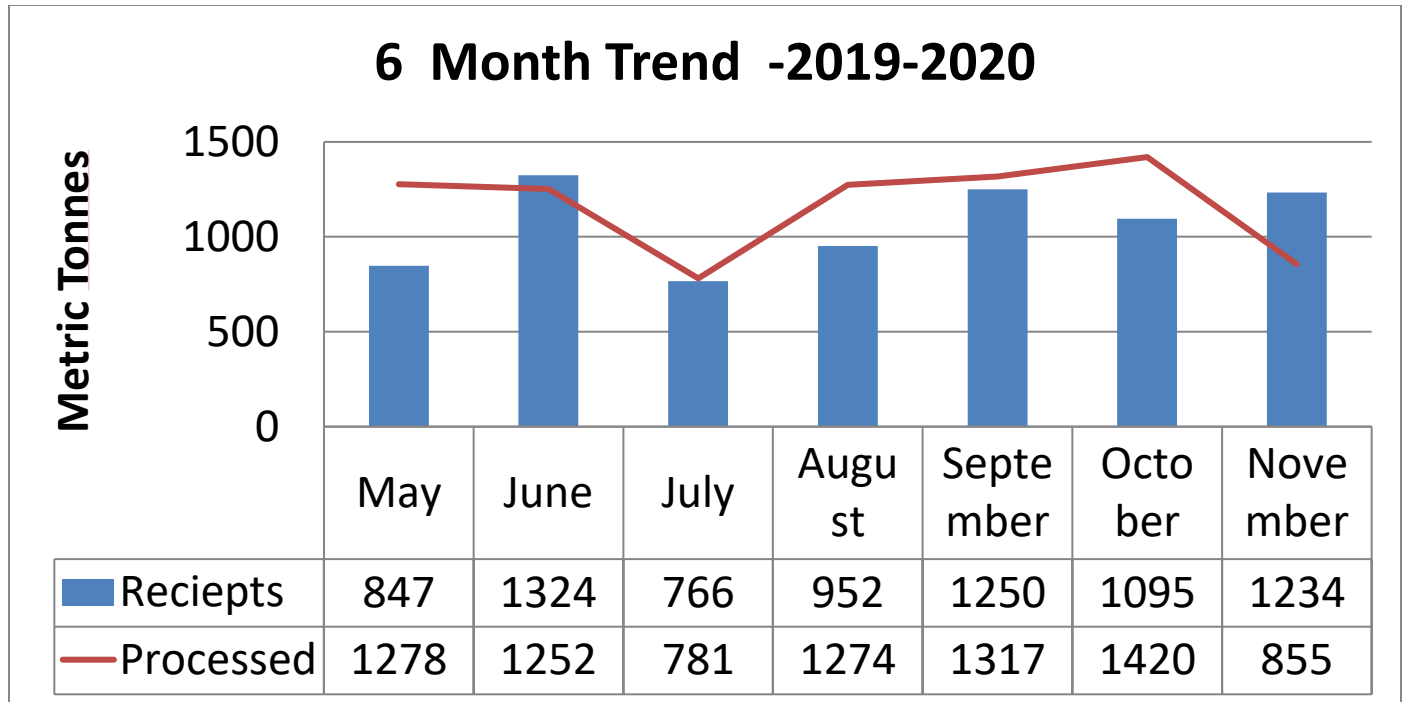
- Construction:
 - Ongoing capping of open waste cells.
 - Habitat Compensation Program and seeding complete until spring of 2021
 - Pond construction, clearing and preparing area has been completed.
 - Access road around facility will be gravelled in the Spring.
 - Silt fencing installed at landfill to assist with dust management.

- Cell update:
 - 19-1 cell final cap is complete.
 - 19-2A, B interim capping complete.
 - 19-3B almost filled, capping completed to face of waste to reduce leachate generation.
 - 19-2D SPL designated area only partially filled.
 - The areas marked in orange in the figure below indicate the current open landfill space.



TDU Update.

- Inbound Volumes have started to decline.
- Only expecting 800 Tons of inbound material monthly.
- Catalyst projects have increased in the months of November and expected through till January.
- Final year end projects from US Customers are coming to an end.
- November multi-day Shutdown – Modifications to the hopper, drum alignment, vent line pigging, wash out, general maintenance. Next scheduled shutdown will be in the Spring of 2021.

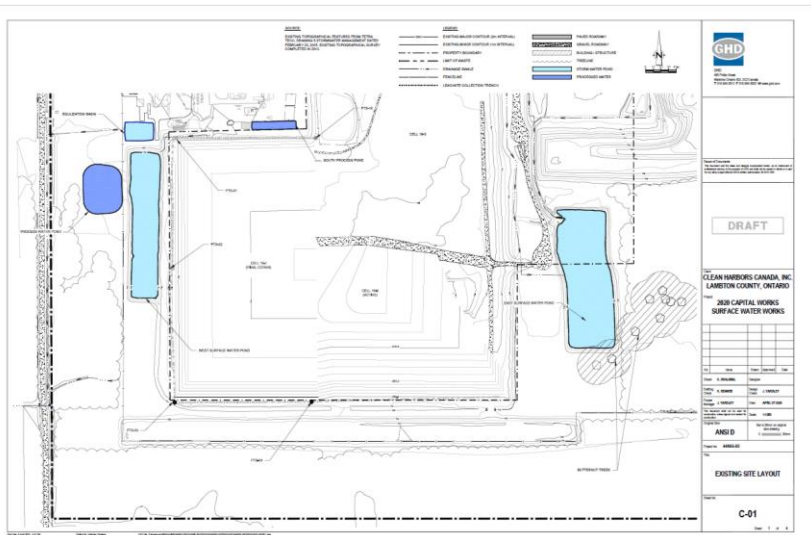


Incinerator Update.

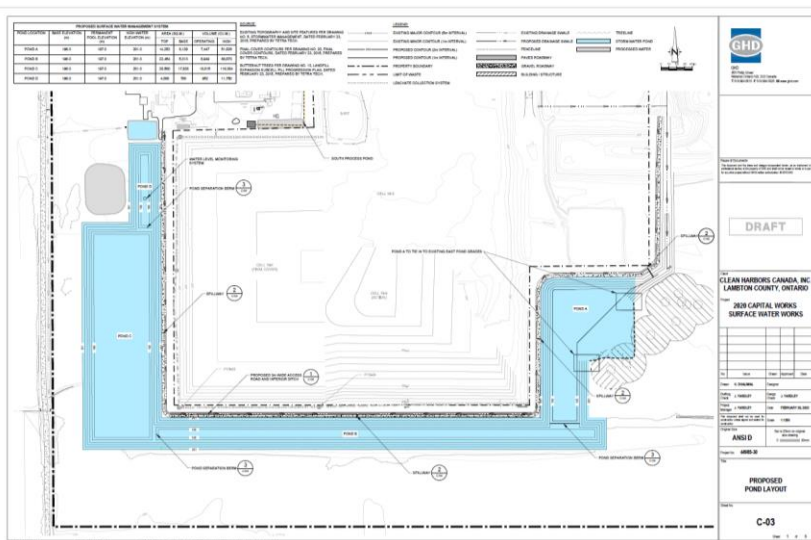
- Incinerator is up and running after a 14 day shutdown in November.
- During this shutdown there was a scheduled change out of our Induced Draft Fan (ID) as part of the facility's Preventative Maintenance program.
 - This fan is critical to our incineration process as it draws the production of combustion all the way from Primary chamber to after the baghouse then directs it up the stack.
 - Once the ID Fan was removed it was evident that the deterioration was much greater than we thought.
 - New Pedestals were made and then had to be grouted into the cement base.
 - With the application of the grouting and allowing time to cure, additional days were added to the shutdown.
 - We were able to get back up on waste on November 28, 2020.
- During this extended shutdown we also completed refractory work in the combustion chamber.
- All 1616 bags and cages were changed out of the baghouse during the shutdown.
- Regular shutdown maintenance items were also dealt with.
- The total production of the incinerator this year has been comparable to the last several years. The quantity of waste still seems to be out there and has kept our storage tanks full.
- With the Extended shut down days we did have to bring some temporary frac tank storage for some of the waste.
 - The directive is to have these empty in January, they will then need to be decontaminated and taken off site.
- We are still processing Leachate through the incineration system and have made some headway on reducing the back log.
- We are planning to continue running through till the end of March before having a multiple day outage.
- Between now and then we will be conducting 1 day shutdowns every 3 to 4 weeks to remove ash build up in ducts and spray dryer.

Compliance Update.

- The installation of the final cover of cell 19-1 was completed.
- Construction of a new stormwater pond system commenced in May 2020 and was completed this year.
- Clean Harbors has created the new habitat compensation area in 2020; the area is located in the field south of the Clean Harbors facility. The planting of prickly ash and other species will be done in consultation with First Nations and the Township. The habitat compensation program is a long term program that will introduce new species over time. There will also be additional maintenance involved in the removal of any invasive species from the habitat compensation area.



Old stormwater pond system.



New stormwater pond system.

- A mercury stack test was conducted at the incinerator on June 23, 2020. The incinerator is required to run at up to 50 µg/Rm³ of mercury, and the test done on June 23, 2020 read mercury at 2.45 µg/Rm³, well within the permit limit. A copy of the report was provided to the Ministry of the Environment, Conservation and Parks for their review.

- The incinerator annual stack test was conducted on October 6, 7 and 8, 2020. The facility is awaiting the report that should be issued in the next month. A copy of the report will be provided to the Ministry of the Environment, Conservation and Parks for their review.
- The surface water monitoring program, biomonitoring program and air monitoring program sampling is completed for 2020. The groundwater monitoring program sampling will be completed this month. The reports for all the monitoring programs are anticipated to be received within the first few months of 2021, and copies of these will be appended to the Landfill Annual Report that is issued by April 1 of each year.