



Community Liaison Advisory Committee Meeting

May 27, 2021

LAMBTON FACILITY - 4090 Telfer Road, Corunna



Agenda

- ▶ Introduction
- ▶ Updates
 - Incinerator
 - Landfill
 - TDU
 - Compliance
 - Ministry of the Environment
- ▶ New Business
 - All



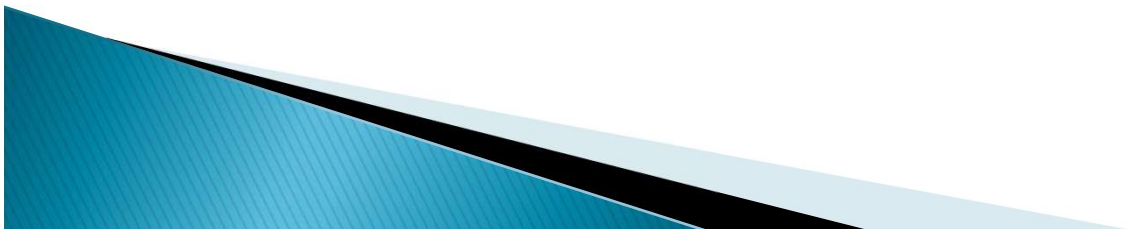


Sarnia Incineration



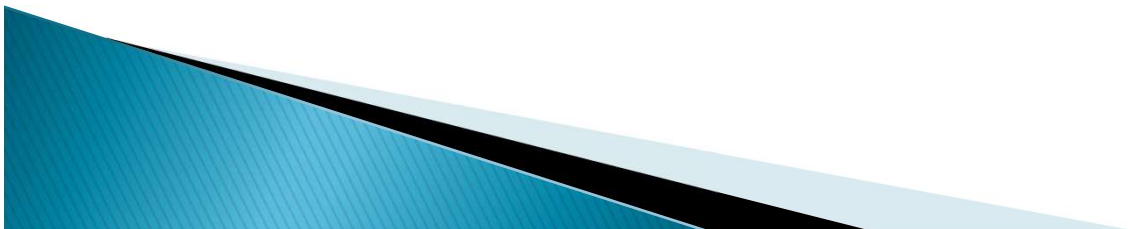


- ▶ Incinerator system continues to operate steadily.
- ▶ Our last shut down was the first part of April.
- ▶ We completed a lot of refractory work in the primary.
- ▶ The bags in the baghouse were good, but we did replace 74 of them.





- ▶ The New ID fan has continued to improve our flow of the flue gases through the system.
- ▶ The material for the stack replacement has been purchased.
- ▶ The engineer group has recommended that we build it out of stainless steel which will give us better durability for the high moist gases that pass through it.



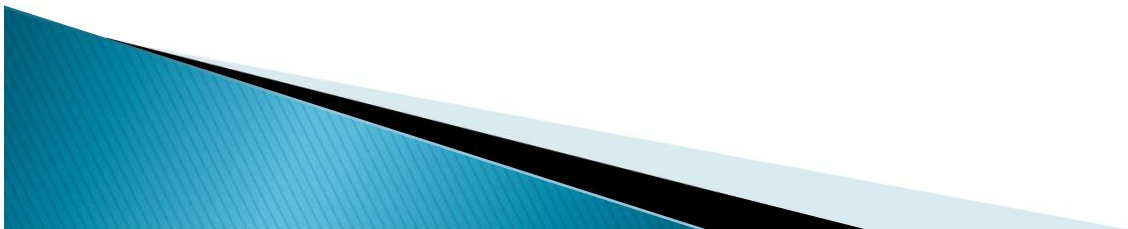


- ▶ Stainless steel also has other characteristics compared to carbon steel such as expansion rates, so all structural supports need to be looked at.
- ▶ Our next major shutdown is scheduled for August 7/21.
- ▶ This one should be a short 8 day turn around with little or no refractory work and minimal bag changes.



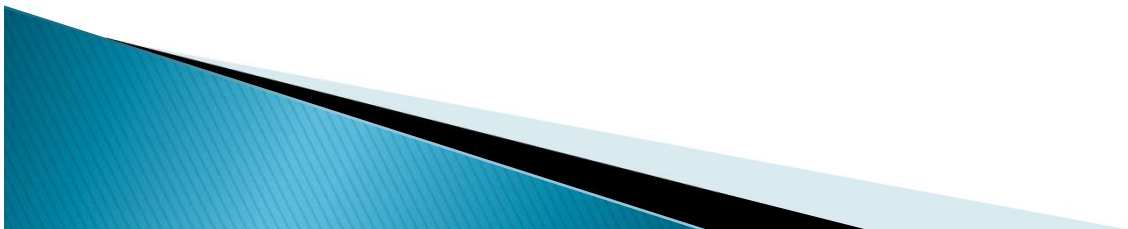


- ▶ On start up we did have issues with the inlet to the ID fan as the venturi that funnels the air into the fan broke loose from it's seal, which allowed the air to circumvent the fan, therefore not performing the way it should.
- ▶ We had to shut back down and correct the problem.
- ▶ The tank cleaning is going slow but have made progress the last month.
- ▶ The roof of t-115 is showing fatigue so we know some work will be required on it.

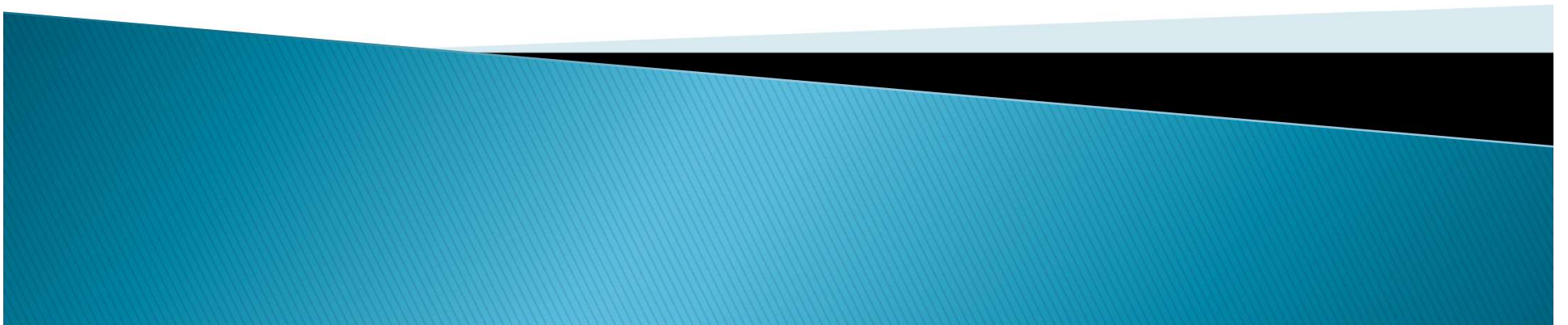




- ▶ With a very dry spring we have been able to make some headway on the backlog of Leachate.
- ▶ We continue to process more than 1.3 million liters each month.



Questions?



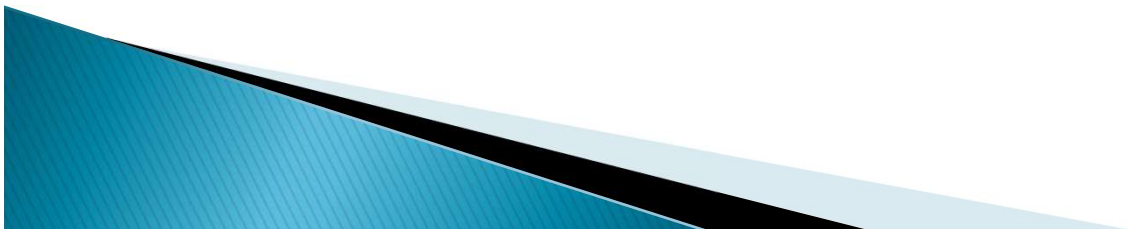
Landfill Update





Capacity Update

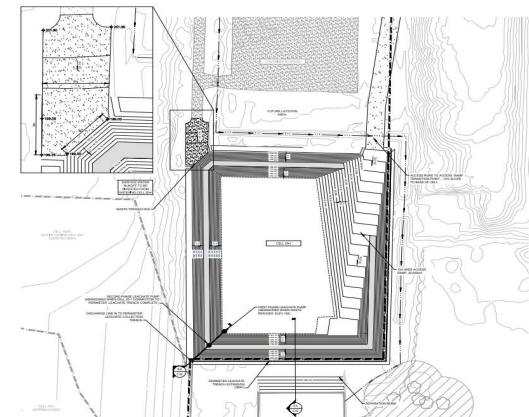
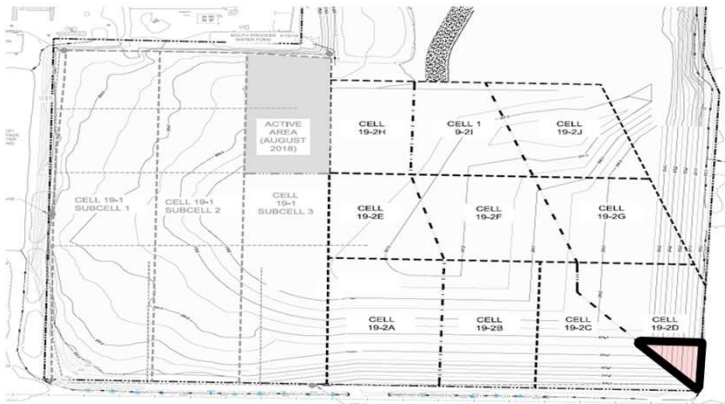
- Landfill has been averaging around +6300 Tons of inbound waste Monthly.
- SPL streams have ramped up. With the addition of a few newer customers this has increased volumes significantly.
- Currently opening next cell for landfilling.
- Have enough air space to get us through to Fall of 2021.





Cell Update

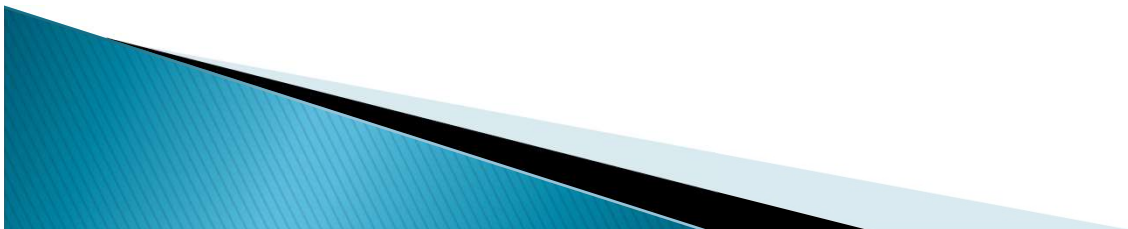
- ▶ Starting to fill 19-2G.
- ▶ 19-2D2 almost filled, Capped to face of waste to avoid leachate accumulation.
- ▶ Cell 20-1 construction is underway.





Construction & Updates

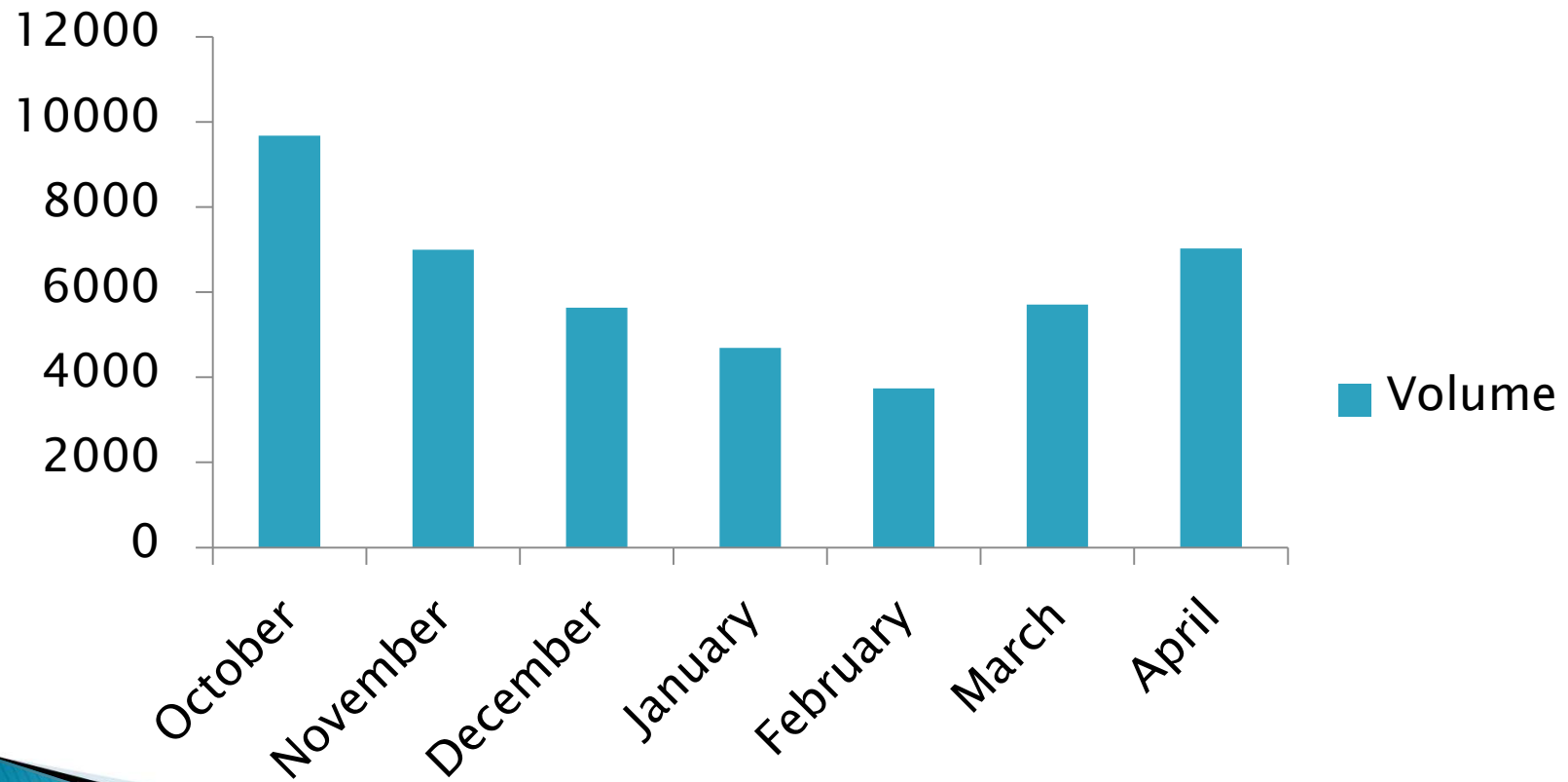
- Ongoing capping of open waste cells.
- Habitat Compensation Program and seeding complete until summer of 2021.
- Access road around facility will be gravelled in the summer.
- Plans for a new Container lay down area being constructed.
- Continue filling S Pit with debris to start filling voids.
- Continue with misting cannon use to avoid any dust issues.





Volumes

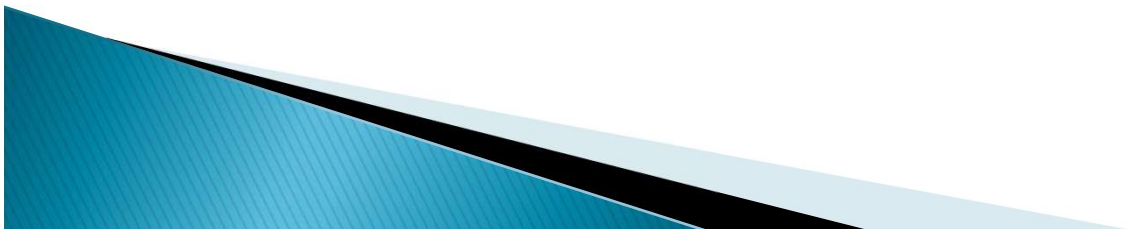
Volume



Questions?



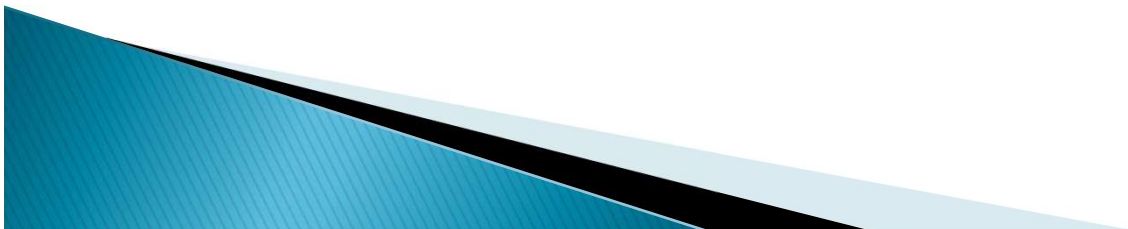
Thermal Desorber – Over View



TDU – Waste Volumes

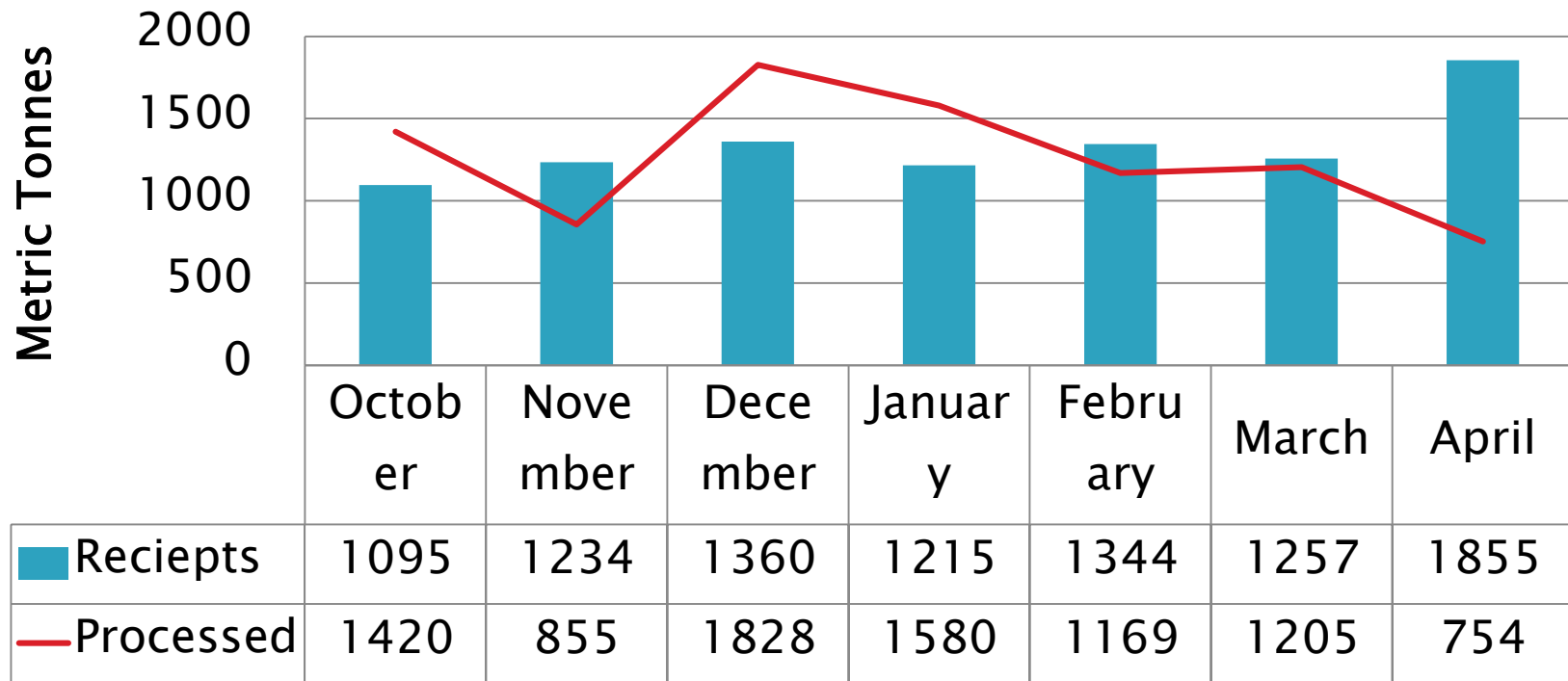
Inbound Volumes have started to decline

- Only expecting est 1 100 Tons of inbound material monthly.
- Catalyst projects have begun. Received over 600 tote bags.
- Projects from US Customers are expected to arrive beginning in July.
- Shutdown – Modifications to the Hopper, drum alignment, Vent line pigging, wash out, General Maintenance. Next scheduled shutdown will be in August of 2021.

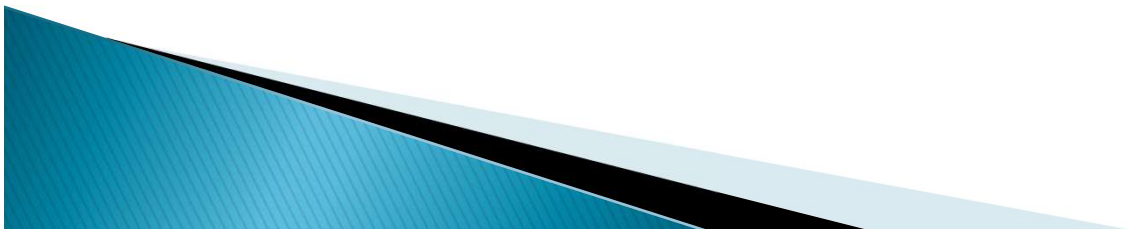


Volumes

6 Month Trend -2020-2021

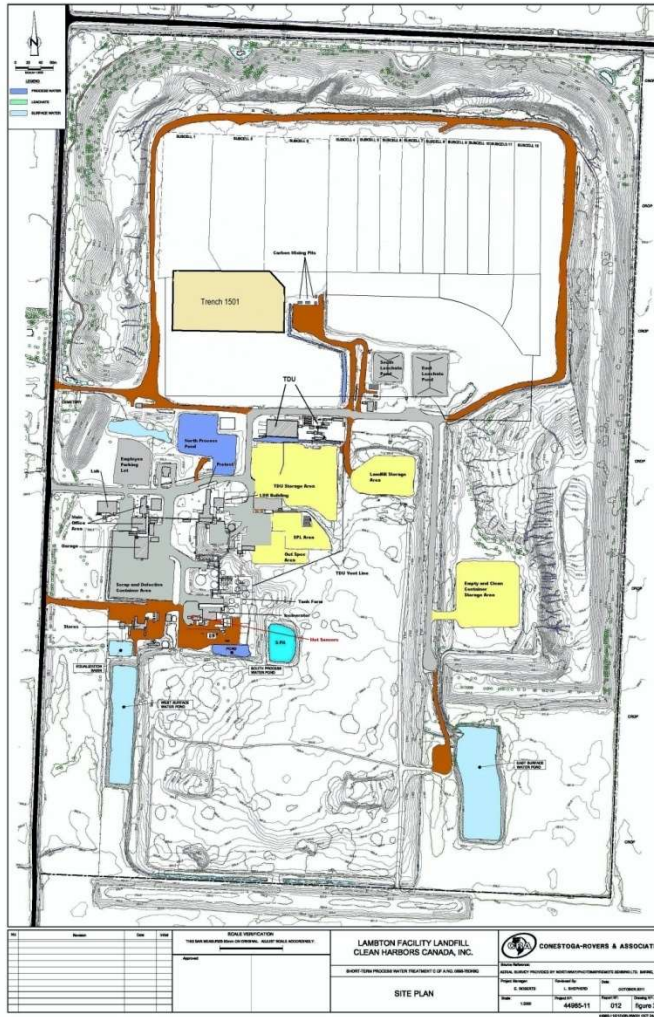


Questions?





Compliance





Compliance Update

- ▶ A mercury stack test was conducted at the incinerator on February 24, 2021.
 - Our permitted mercury limit is $50 \mu\text{g}/\text{Rm}^3$, and the test result was $4.74 \mu\text{g}/\text{Rm}^3$.
 - The next mercury stack test is scheduled for Thursday June 3, 2021.

- ▶ The incinerator annual stack test is scheduled for the week of September 13.
 - This will include testing over three days for several different parameters.
 - A copy of the 2020 annual stack test and the mercury stack tests can be found on our website at:
<https://www.cleanharbors.com/services/canada/lambton-facility/reports>





Compliance Update

- ▶ The 2021 groundwater monitoring program and the air monitoring program have started.
 - Sampling for groundwater occurred the week of May 17th.
 - First sampling event for the air monitoring program was May 22nd.
- ▶ The biomonitoring program will start in the coming weeks.
- ▶ The surface water monitoring program is dependent on the facility discharging treated water offsite. The facility may not need to discharge this year.
- ▶ Heather Mitchell is now assigned as the MOE Provincial Officer for the facility.





Compliance Update

Questions?





Ministry of the Environment Update





New Business

- ▶ Next meeting date

