

July 6, 2023

# Community Liaison Advisory Committee Meeting

## Clean Harbors Lambton Facility



# Agenda

## Introduction

## Updates

- General Updates
- Landfill
- Thermal Desorber Unit
- Incinerator
- Compliance
- Ministry of the Environment



# General Facility Updates

JR





# Landfill

Tom Weir

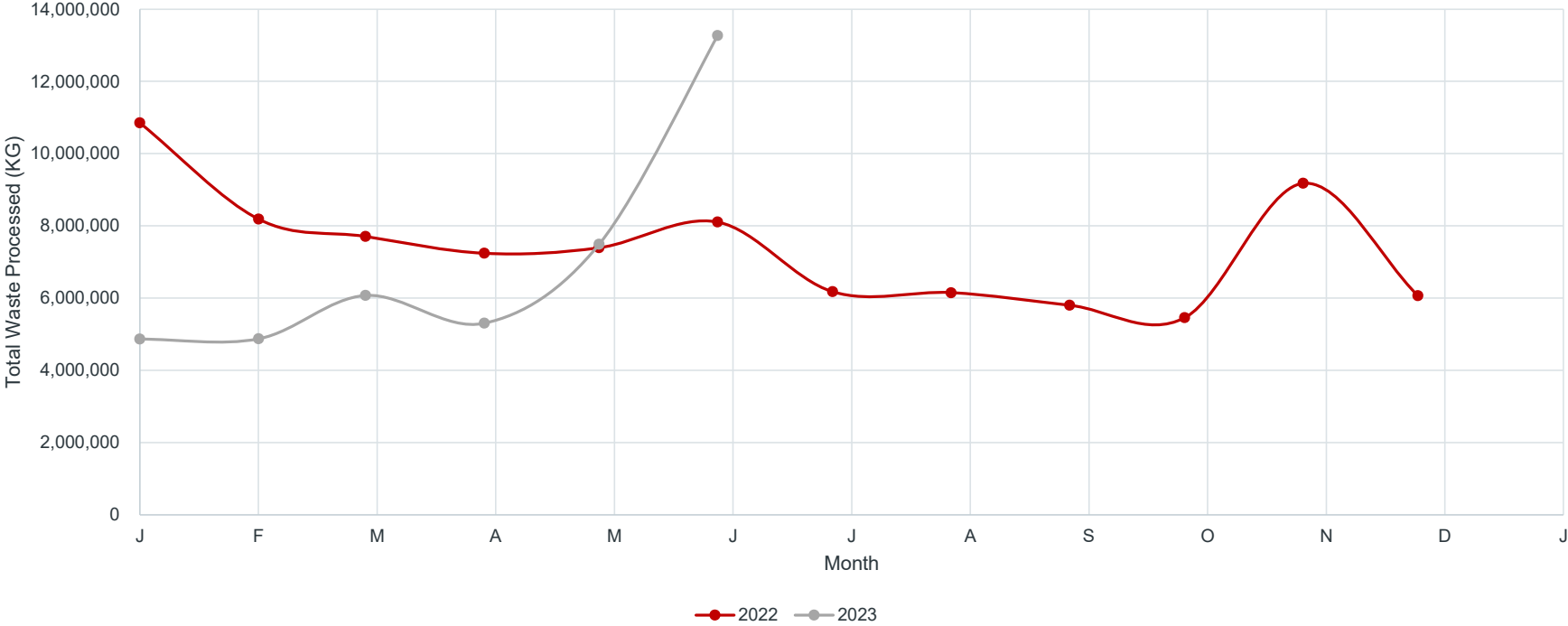
# Landfill

- Now landfilling the east side of 20-1
- Have begun removing the access ramp and using the clay to start interim capping of the west side of 20-1
- New leachate pond constructed and now operational
- New container storage located southwest of the lamella pit is almost finished construction



# Landfill – Volumes

Monthly Total of Waste Landfilled







# Thermal Desorber Unit (TDU)

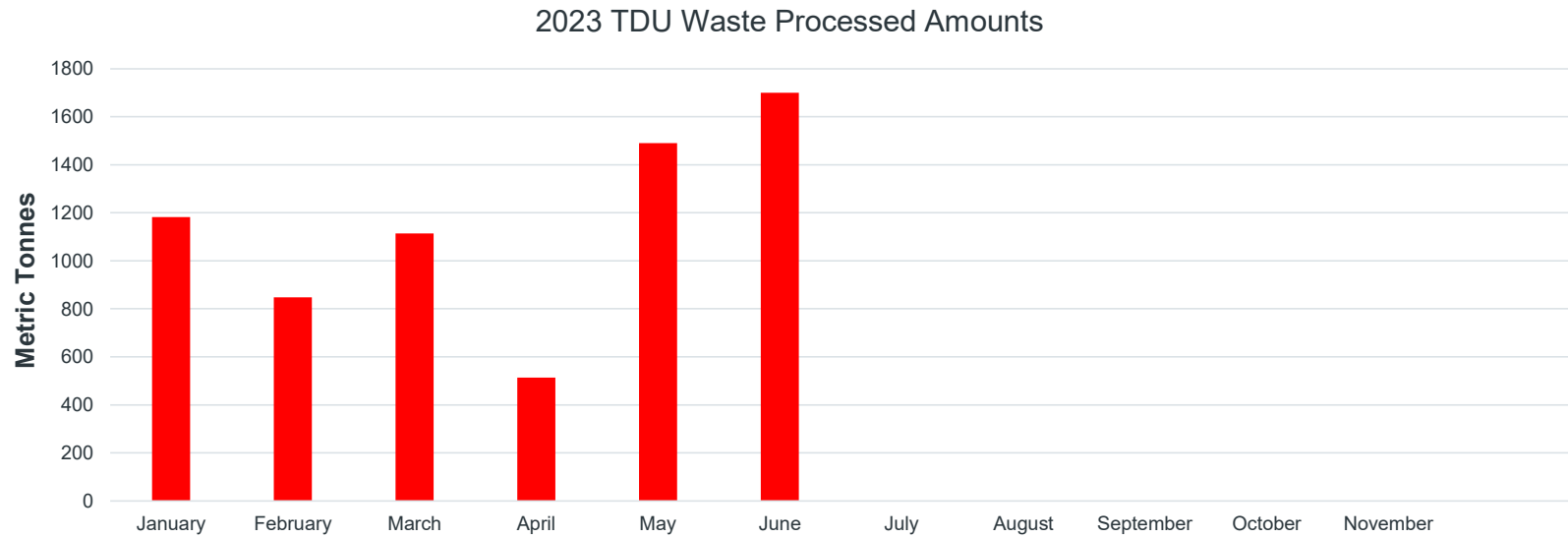
Rod Walsh

# TDU – Waste Volumes

1. Currently large demand for Thermal Desorption treatment. Nature of TDU business, always peaks and valleys in demand.
2. Improvements made in the April shutdown have increased waste processing rates, decreased rework requirements
3. Working on efficiency improvements to help reduce natural gas usage



# TDU – Volumes



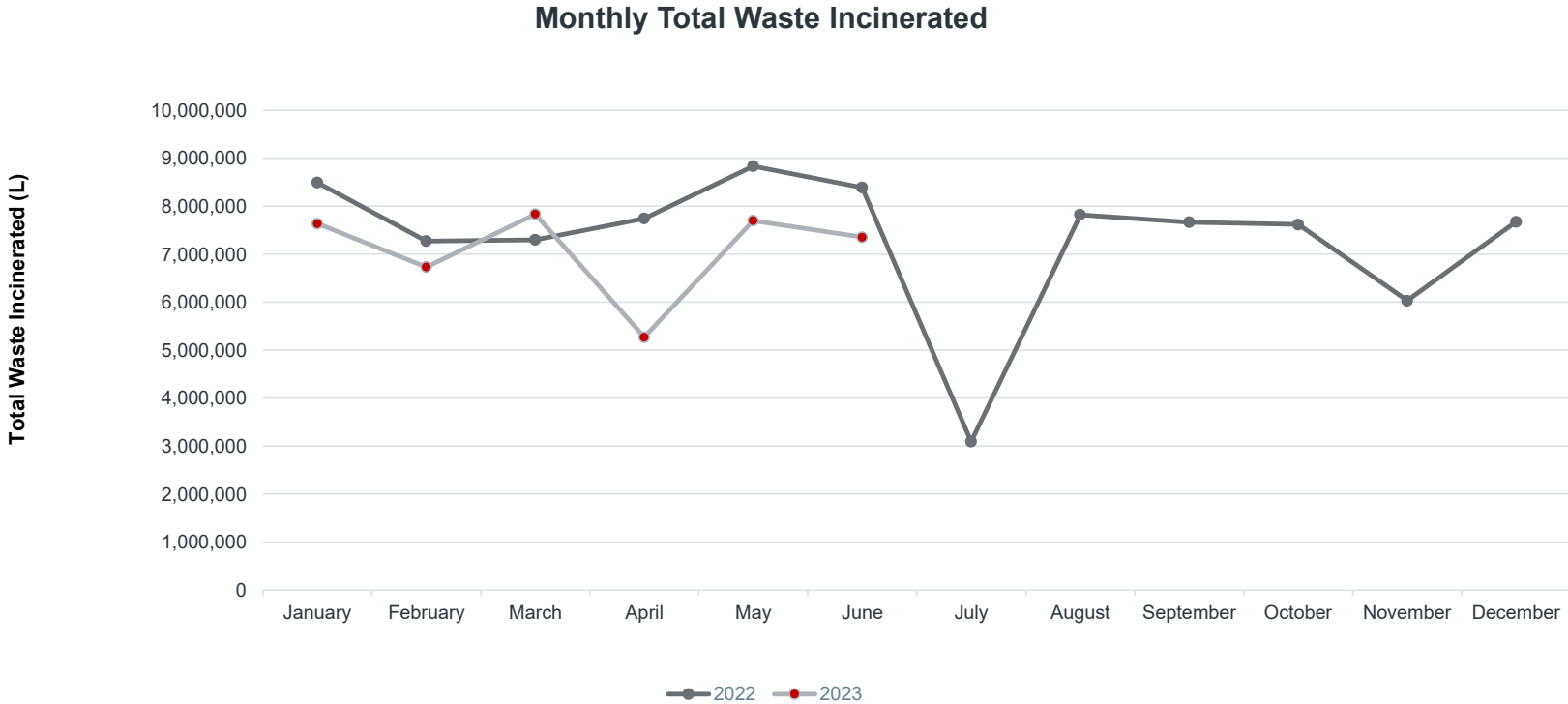
Questions?

# Incinerator

Dave Baulcomb



# Incineration Performance



- Production remains steady
- Dips due to maintenance months



# Incineration Maintenance

- Stack Flu Gas Analyzer installed RATA test has been completed. Onsite techs reported that the new analyzer passed. We are waiting for official word to begin controlling the plant with the MCA 10.
- Installing different type of Bag House filter cleaning media on August outage
- Replacement of the Upper/Lower Quench duct sections scheduled for the August outage
- Repairs to Stack (welding inside at the 60' elevation) August outage
- Tensioning of new stack guy wires as per recommended PM schedule. August outage
- Facility Power outage scheduled for August 13<sup>th</sup> to do maintenance on our high voltage equipment
- Replacement of one of the Main Transformers (27.kv-4.16kv) August outage
- Continued installation of the DAF (dissolved air filtration) unit to allow for more destruction of onsite leachate water.
- Investing in engineering to look at improvements in our Bag House efficiencies
- Shutdown schedule 2 remaining with the first beginning on August 12<sup>th</sup> and the second in late November



# Compliance

Mackenzie Costello

# Compliance

## Environmental Compliance Approval Updates

- Currently we have separate ECAs for the Landfill, TDU, Incinerator and Household Hazardous Waste but these will be consolidated into one ECA some time this year
- Working with MECP on Incinerator Air ECA which will permit us to treat leachate using a DAF unit and then burn it in our Incinerator quench
  - Hoping to have finalized by the end of July
  - DAF will be in separate building, have completed the concrete pad and beginning work on the building

## Stack Testing

- Required to complete three mercury tests per year
- First was completed on March 7<sup>th</sup> and results indicated we were in compliance with an average result 1.00 ug/Rm<sup>3</sup>
- June mercury stack test was completed on June 27<sup>th</sup> and we are still waiting on results
- Third test scheduled to be completed during the week of October 2<sup>nd</sup> with the annual stack test

## Groundwater Monitoring

- Groundwater sampling is completed twice per year. First sampling event was completed during the week of May 29<sup>th</sup>
- Drill rig on site to complete well repairs on three of the monitoring wells. Did not finish but will be returning July 11<sup>th</sup> to complete the final well repair



## Surface Water

- Permitted through ECA 4731-BNNT5Y to discharge water from our Surface Water ponds which has been treated through our on-site surface water treatment plan. Large suite of analysis that is done prior to discharging and once/month as well as a small suite of analysis that is done daily.
- Large rain events in April resulted in flooding of the site
- Clean Harbors sampled several of the flooded areas including the west process pond, the NE side of cell 20-1 and the flooded container compound and results indicated that the water quality did not pose any risk to the environment or human health
- Clean Harbors requested to emergency discharge of the sampled areas by transferring the water into the on-site surface water pond, treating it through the on-site Surface Water Treatment Plant and then discharging it off-site into the municipal drainage ditch on the east side of Telfer Road
- MECP approved this request as long as we sampled the discharged water 3 times per week for a full suite of parameters (this is typically done monthly during regular discharge events)
- Emergency discharge began on April 20<sup>th</sup> and was completed on May 12<sup>th</sup>, sampling was continued until June 2<sup>nd</sup>. Regular discharging continued until June 4<sup>th</sup>
- Preparing to discharge again

## Ambient Air Monitoring

- Working with MECP to move the south ambient air monitoring location.
- Currently stationed at the Ser-A-Yard but location is not ideal due to proximity to site and being next to a building
- Locations are limited due to access to power and many lots with trees
- Proposing to move to west perimeter berm
- Currently Ambient Air Monitoring is only required May – September
- New Air ECA will be implementing year round ambient air monitoring, discussion with MECP indicate that after a few years of monitoring we can have discussions on reducing the program back to May – September





## Ministry of the Environment - Update

# Questions ?



Next meeting scheduled for October





# 40 YEARS



PEOPLE AND TECHNOLOGY CREATING A SAFER, CLEANER ENVIRONMENT

