

Operations Report

Jan – December 2020

WEIGHT AND TYPE OF MATERIAL RECEIVED:

Category	Material Total	
ICI-Commercial-all	2,730,215	KG
Residential Waste -all	4,148,090	KG
Hydrocarbon Soil-special waste	1,326,180	KG
Shingles	167,210	KG
Landfill Cover	1,757,590	KG
Tires	35,410	KG
Metal/Wire	240,330	KG
wood	201,580	KG
Burn Ash	41,390	KG
Recyclables	245,750	KG
Hydrovac	2,196,830	KG
Concrete/Asphalt	617,810	KG
Total Material Received	13,708,385	KG
less soil	8,427,785	KG
<u>Material Removed</u>		
Cardboard	141,930	KG
Plastic	25,340	KG
Paper	13,140	KG
Tin Cans	1,900	KG
TV's and Computers	23,880	KG
Tires	38,070	KG
Metal	459,256	KG
HHW/Paints	60,510	KG
Batteries	5,450	KG
Chem Cont.	10,600	KG
Oil jugs and Filters	10,750	KG
Propane tanks	3,990	KG
Used Oil	13,910	KG
Subtotal Material removed	808,726	KG
<u>Material Diverted</u>		
Compost	100,240	KG
burn pile	201,580	KG
burn Ash	28,870	KG
Hydrovac	2,241,730	KG
Concrete/Asphalt	617,810	KG
Total Material Diverted	3,190,230	KG
Total Kg Material onsite	9,709,429	KG
Less soil	4,428,829	KG

HAZARDOUS WASTE DETECTION:

Detection is by observation from the scale, as well as monitoring loads being dumped, from time to time. To date no events of concerns have been observed.

LOCATION OF WASTE:

Cover Thickness: We have been using soil for cover, as well as wood chips on the landfill in Cell 3, 4 and 5 with storage of the soil on Cell 3. Once a week we put about 6 inches of cover on the cells as used.

Working Face Width: We have been focusing on shaping the cell for good water runoff; Current working face is about 20 cubic meters on average.

LEACHATE AND SURFACE WATER:

Leachate:

We have removed about 900 cubic meters of leachate in 2020, we then started our research leachate project. An estimated 112 cubic meters of leachate was put onto research site. Due to late start up and early frost we had limited days.

Surface Water:

Testing was done on the surface ponds by Omni-McCann in the Spring of 2020 for water release with all the required sampling per our operations plan, release of ponds was done after high rain fall in spring.

FINAL AND INTERMEDIATE COVER:

Current cell 1 and 2 have final cover, Cells 3, 4 and 5 are active, 3 and 4 have intermediate cover with 5 having only daily cover being applied to date.

We had a Compaction Survey done in November 2018 showing that we are getting about 830kg/cubic meter compaction and have an expected cell replacement for 2022, perhaps 2021.

GROUDWATER MONITORING:

We contracted with Omni-McCann for doing the well testing, sampling is done, Report is on file.

OTHER:

- OLD COUNTY SITE: There has been activity with very small collection wells put in, some leachate was hauled off. I have not received any report from the County. We are seeing more migration onto our site from their leachate.
- Recycle materials market has all over the board, Cardboard has increased some. Market has improved some, costs are being covered.
- The grinder is having trouble keeping up with demand, mostly due to spring being so busy and staff not able to work on the grinding. We also had an issue with the drum the blades mount to and had to find a replacement. One of our plastics buyers purchased the replacement and we are trading plastic to cover the payment. We have found a larger grinder to help increase volume, I will be looking at the possibility of doing shared costs with it as it is another buyer who has it.
- Covid 19 issues. We saw about a 50% reduction in waste in March and early April 2020 due to the virus. With a huge increase in residential waste at end of April and May. Commercial is still down about 25% with a slow increase weekly. This is mostly due to the businesses being closed. Revenue is getting closer to 2018 volumes, adjustments were made to help cover losses, including cutting one part time position.
- Summer was very active due to high volume of residents doing cleaning and remodeling. Staff worked hard in keeping it move smoothly and with dealing with a lot of new customers. We have been improving the cell compaction as the compaction through winter was 2/3rd of expected. Wind fences were repaired and put into place. We have had complaints as we are requiring people to drive up onto the cell in order to dump. The primary reason is to reduce blowing waste, but also it helps improve compaction.
- We usually contract with County of Westlock to mow the grass areas of our facility, but due to staff cuts they were not able to mow for us. I will be looking at other options in 2021.

Presented by: _____
Tom Moore – Commission Manager

ICI – Industrial, Commercial, Institutional; most big rigs, many smaller clients as well.

Residential – Residential waste who are bringing their own waste and Contracted pickup.