



REGIONAL WASTE MANAGEMENT COMMISSION

P.O. Box 5219, Westlock, AB T7P 2P4

T: 780-307-2456 F:780-349-2995

Operations Report

Jan – December 2019

WEIGHT AND TYPE OF MATERIAL RECEIVED:

Category	Material Total	
ICI-Commercial-all	3,232,729	KG
Residential Waste -all	4,227,027	KG
Hydrocarbon Soil-special waste	2,934,486	KG
Shingles	134,470	KG
Landfill Cover	456,200	KG
Tires	20,340	KG
Metal/Wire	171,440	KG
wood	368,650	KG
Burn Ash	28,420	KG
Recyclables	210,185	KG
Hydrovac	3,797,376	KG
Concrete/Asphalt	319,200	KG
Total Material Received	15,900,523	KG
less soil and hydrovac	8,712,461	KG
Material Removed		
Cardboard	47,675	KG
Plastic	2,780	KG
Paper	25,870	KG
Tin Cans	6,150	KG
TV's and Computers	32,960	KG
Tires	36,720	KG
Metal	214,070	KG
Wood	41,370	KG
HHW/Paints	58,150	KG
Batteries	4,540	KG
paper	8,930	KG
Chem Cont.	9,270	KG
Oil jugs and Filters	4,400	KG
Propane tanks	15,830	KG
Used Oil	15,830	KG
Subtotal Material removed	524,545	KG
Material Diverted		
Compost	221,270	KG
burn pile	26,900	KG
burn Ash	319,190	KG
Concrete/Asphalt	567,360	KG
Total Material Diverted	1,134,720	KG
Total Kg Material onsite	14,241,258	KG
Less soil and hydrovac	7,053,196	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 removed about 2323 cubes of leachate out of cell 5 up to end of August 2019, we had removed 920 cubes in 2018.

Surface Water:

Testing was done on the surface ponds by Omni-McCann in the summer of 2019 for water release with all the required sampling per our operations plan, release of ponds was done after high rain fall in summer.

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 pending.

OTHER:

- We have built our hydrovac pond with two dumping pads. Ran into issues of the wet dirt running into the pond so revised design to include concrete blocks. We also started using burn ash from Dapp Power to be used to mix with the water, this seems to be working great.
- I met with the County about the leachate collection on the old landfill site in 2018. They were to put in a storage tank to pump their leachate into so the hauling trucks can come and go faster to help reduce the trucking costs. This was to happen spring of 2018 but to date no sign of activity. I do know they contacted the same contractor I use for leachate hauling and hauled a couple of loads of leachate from the current wells, so they are working on removal. As a follow up on this, I met with the CAO and he said they planned on putting in another well and tank, still no movement. He is trying to have Commission take over the site and I told him the Commission was not interested in taking it over. I have requested a letter of intent to let us know their plans as we are still seeing leachate levels coming onto Commission property. Nothing new has come forward since our last Commission Meeting.
- Recycle materials market has taken a crash, we will be shipping cardboard and other items here soon, but most likely we will have to pay some. We will receive about \$10/tonne for cardboard with all trucking costs covered. Office paper is worth some if separated from other papers. Tin is worth about \$40/tonne.
- Recycle building addition is complete. We have run our first few bags of ground plastics with good success. We are running in to time issues as the recycle centre is getting busier and staff are having trouble keeping up. I have to put some form of dust control catch system in place to assist in the dust issue, currently masks are being used. We are also now receiving all the bad blue bottles from Water Pure and Simple, creates a storage issue, so we will have a contractor build us storage boxes that we can stack for these bottles. It is an ever-learning phase we are in, staff seem to be picking up on it well.
- I am trying a trial run of sending our wood from burn pile to Dapp Power to see if it is cost effective. If this works and is within a manageable amount, I think we can get Dapp Power some carbon credits and get some of the costs back to us from them. I just have to do some reporting for them.
- First Staff Christmas Dinner. December 7th at 6pm. I felt we needed more activities with staff and their families. This is just a start.

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.