



Semi-Underground Waste Containment





Worldwide



Over 40 countries!



Crane Lifted Semi-Underground Systems for Solid Waste and Recyclables

Crane lifted semi-underground containers are a **new generation** waste solution offering a more **efficient**, and **sustainable** means of collecting waste, recyclables and even organics



Decreased Haulage Costs

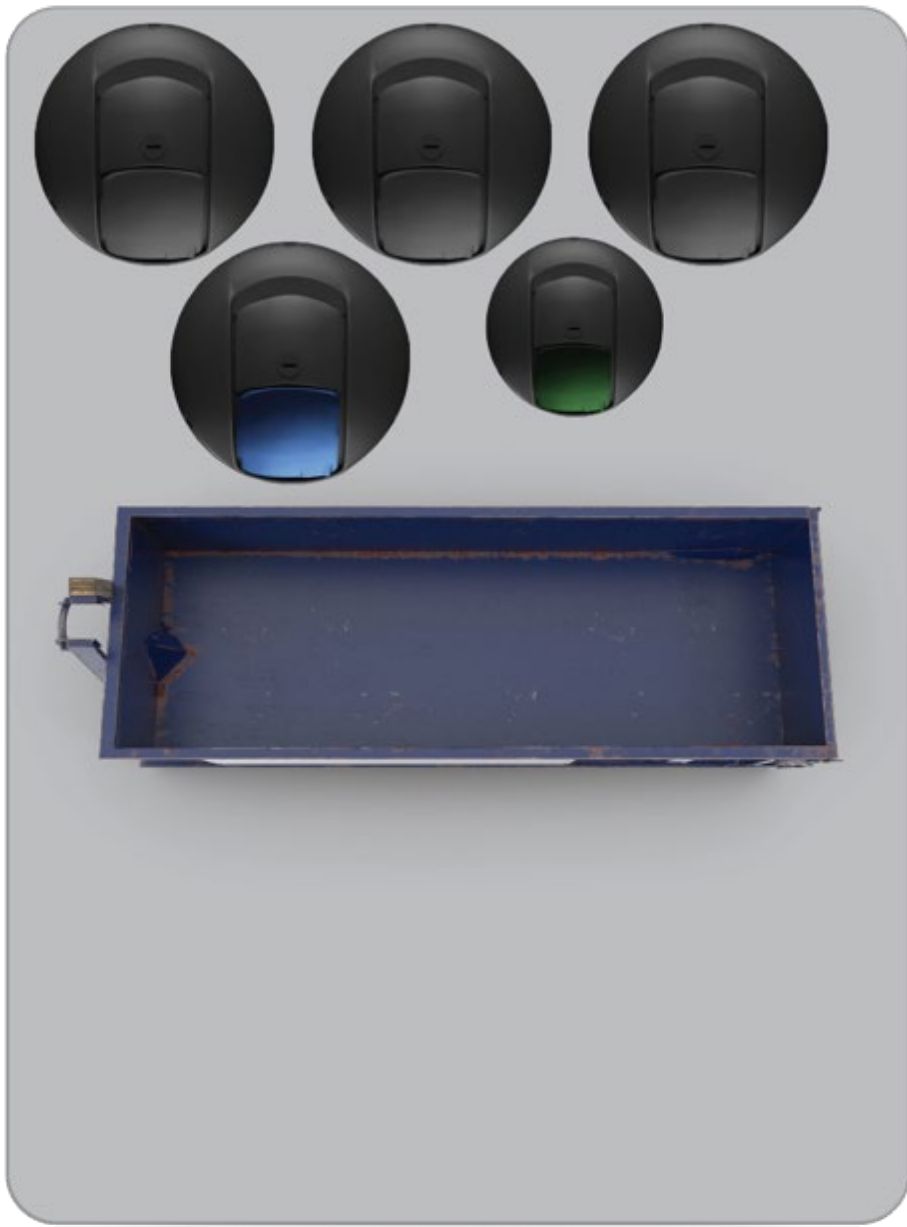
1.5 – 2 times the capacity due to natural vertical compaction
= 9-12 yards instead of 6 yards



*Gravity
naturally
compacts
waste!*

One M-5000 Molok® container equals
2 - 6 yard dumpsters
27 - 240 litre carts

MOLOK



Space Savings

The allowance for one 6 yard fork-lifted dumpster.
5 metre square = 53.8 square feet

Within that space, we can place
2 M-5000 and 1 M-Organic containers
That will provide enough capacity for 90 people with
weekly service - 7/8 days.

With space to spare!



Accessibility

The Planning Act requires “including facilities design to have regard for accessibility for persons with disabilities”.



Molok® is within the accessibility height requirement of 38 – 42 inches.



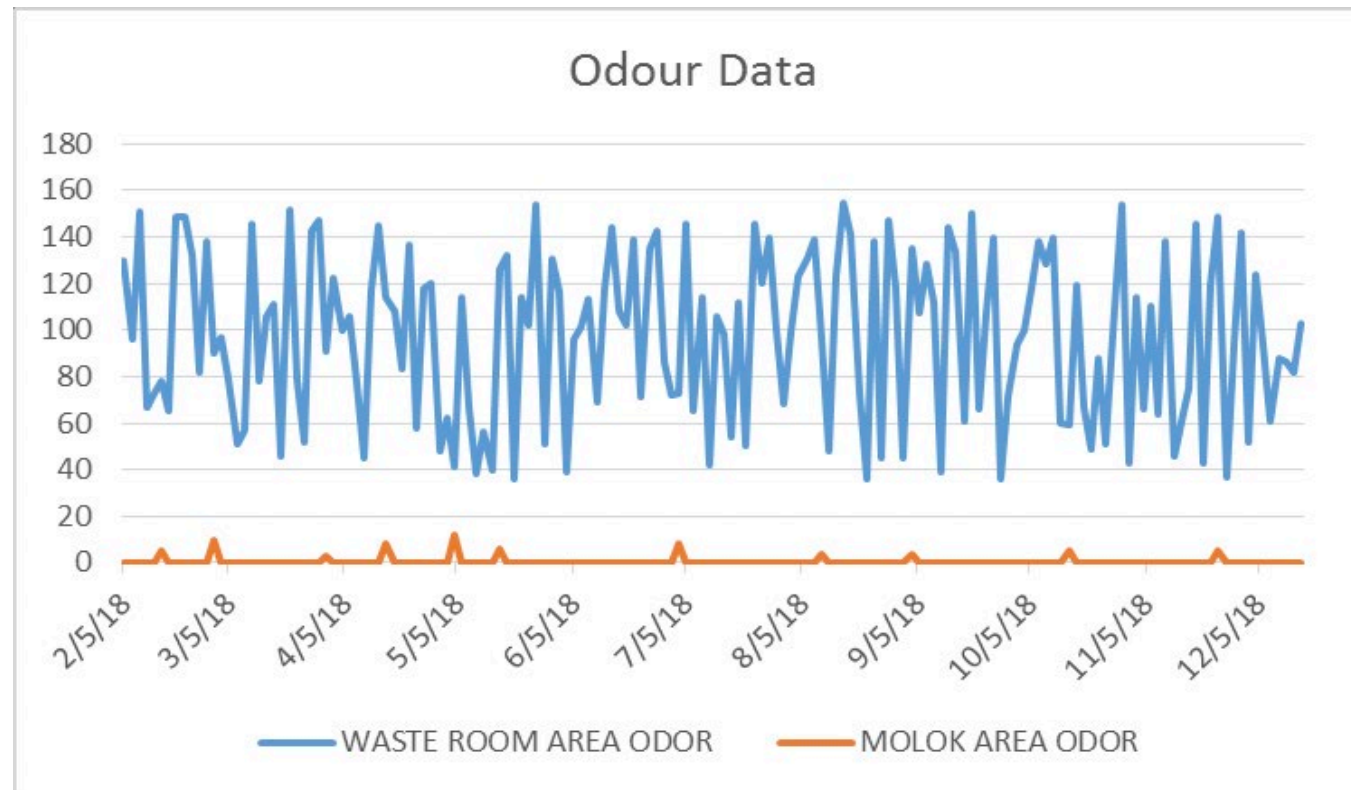
Results

On average, temperatures are lower in the Molok® container compared to the Earth Rangers' conditioned waste room.

	Avg. Temp. (°C)							
	Waste Molok Container				Organics Molok Container			
	TOP OF BIN	25" from TOP	50" from TOP	BOTTOM	TOP OF BIN	25" from TOP	50" from TOP	BOTTOM
Jan	0.9	0.7	0.9	3.2	0.4	0.2	1.3	2.4
Feb	-0.6	-0.3	0.1	2.2	1.7	1.5	0.7	1.5
Mar	0.2	-0.3	0.2	1.6	2.1	1.8	1.2	2.0
Apr	9.0	7.3	6.4	5.4	11.9	12.9	7.8	7.1
May	12.2	11.6	10.8	9.1	14.8	14.4	13.4	11.0
Jun	20.4	18.4	16.8	13.8	22.3	20.9	21.5	17.9
Jul	22.4	21.3	20.2	17.4	24.6	24.0	21.4	19.5
Aug	21.9	20.9	19.9	18.5	23.6	23.0	19.6	19.7
Sep	20.7	19.3	18.0	18.0	22.6	21.7	19.0	18.8
Oct	16.2	15.5	15.4	16.5	17.2	16.7	16.4	16.1
Nov	Malfunction in Data Logger				9.3	9.3	9.3	11.0
Dec	0.6	0.6	1.1	2.9	1.2	1.3	3.2	5.0
Fall	11.1	10.5	10.6	11.7	11.9	11.6	11.6	12.4
Winter	-0.3	-0.3	0.2	2.1	1.0	0.8	1.1	2.1
Spring	11.8	10.4	9.4	7.9	14.3	14.2	12.0	10.2
Summer	21.6	20.4	19.2	17.6	23.4	22.7	20.1	19.3

Results

Odours were consistently lower in the Molok[®] container.



Win – Win - Win



- **Win:** Developers have more space
- **Win:** City of Hamilton increase tax revenue base
- **Win:** The environment, reduced service frequency/truck traffic/lower carbon footprint

