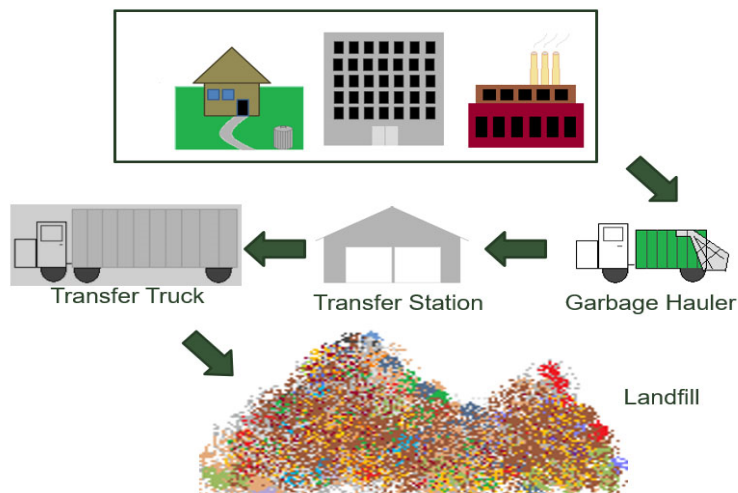


Odor Control Systems / Equipment

- Aerosol
 - Water Driven
- Vapor
 - Air Driven
- Topical
 - Bio Augmentation

Odor Sources



Vapor



Aerosol Water Driven Odor Control Systems

System	Water Usage	Water Cost
1,000 Foot 67 Nozzles 0.02" Diameter	4 Gallons Per Minute 240 Gallons Per Hour 5,760 Gallons Per Day 172,800 Gallons Per Month 2,073,600 Gallons Per Year	\$4-\$8/1,000 \$8,000-\$16,000 Per Year



Aerosol Odor Control Products

Most Products are 50% Surfactant (soap) 50% Active Ingredient

Active Ingredient Concentration	Dilution
2%	50/1
5%	125/1
10%	250/1
100%	2500/1

Dilution ratio established through independent testing by the City of New York, The Division of Municipal Supply Services, Malcolm Pirnie, and Hinsilblon, Ltd.

Aerosol Unit



Water Driven Vs Air Driven



1000 Foot Odor Control Systems Comparison

Air Driven Vs Water Driven

Water Driven		Air Driven
4 Gallons per minute 2,000,000 Gallons per year	Water	NONE
.02 Inch Diameter Nozzles with Strainers Spaced 20 Feet Apart	Nozzles	1/4" Inch Diameter Drilled Holes Spaced 20 Feet Apart
3/4" High Pressure Hose	Distribution Line	4" Diameter Hose or Pipe
1,000 PSI Water 5 HP Pump	Driver	2 PSI Air 10 HP Blower
10 Micron Filters Pump Seals Nozzle Cleaning Oil Change 500 Hours Freezing Protection	Maintenance	Air Filter

Air Driven Vapor Advantages

No Water

*No Water Filtration System
No Water Tank Filling
No Water Pump
No Water Pump Maintenance*

Operates Year Round

*No Freeze Protection
No Heat Tracing
No Winterization*

No Nozzles

*No Nozzle Maintenance
No Dripping, Clogged Nozzles
No Wet Floor, Slipping Hazard*

Eliminates Odor in Transfer Station



Compost Treatment

Stock Pile Treatment



Treatment In Processing Stage

Topical

Industrial Strength Odor Eliminator

- Sprayed directly onto surface of the waste material immediately eliminates odor from waste.
- When misted or vaporized in perimeter piping system, it complexes airborne odor molecule into non odorous compound.

