



Rear Loader Commercial and Residential Operations



Our Rear Loader service is the most visible part of our Solid Waste services.

Scheduled services are provided 6 days per week.

Rear Load fleet provides:

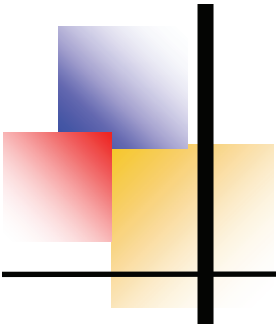
- Residential trash collection
- Grass and leaf collection
- Commercial 2 and 3 cubic yard dumpster collection



Current fleet Units are:

- 25 cubic yard trucks
- Semi-Automated capable of dumping two 65-95 gallon carts
- Capable of disposing bulky items curbside





Solid Waste Commercial Operations



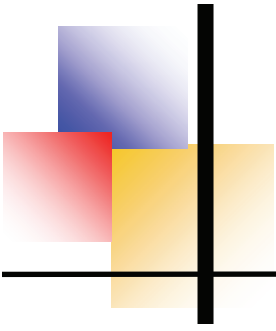
Front Loaders provide fully automated commercial services for 4 to 10 cubic yard containers.

Hook-lifts service 12 to 18 cubic yard containers of waste generated by commercial and residential customers.



Roll-offs service 18 to 40 cubic yard containers.

The waste may be compacted or un-compacted waste.



Waste Reduction and Recycling Operations

Rear Loader units service 2 and 3 cubic yard cardboard dumpsters and 90 gallon office paper carts at commercial locations.



Hook-lift operations service eleven different community drop-off recycling bins for newspaper, cardboard, and mixed paper. All materials collected are processed by two horizontal balers.

Products are stored and shipped from this location.





Solid Waste Bulk Truck and Small Rear Loader Operations

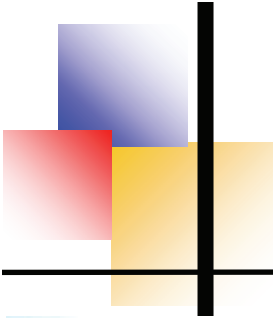


The Bulk Truck collects scheduled pick ups of items that are too large to fit in the Rear Loader unit, and items left at Front Loader locations that will not fit into containers.

The Small Rear Loader Unit collects scheduled pickups Tuesday through Thursday.

These accounts are comprised of both residential and commercial stops that require special service.





Solid Waste Division Semi-Automated Demos



The Division demoed a semi-automated side loader. The unit has low entry cabs with 1 yard buckets on each side that can load four, 90 gallon containers at a time.

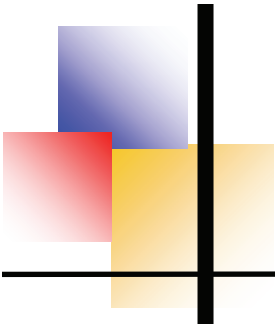
The standup dual drive makes loading and driving, safer and less strenuous on the operators.

The truck's ability to make single sweeps down a street increases route efficiency. Eliminating back tracking, wear on equipment and city right-of-ways.



Drawbacks of this equipment in Lawrence's current operations, is additional work would be transferred to the bulk truck and it does not capitalize on the efficiencies of our current collection system.





Solid Waste Division Automated Demos



Industry professionals state fully automated side loading vehicles can decrease the amount of work comp claims and increase the number of homes serviced.



The Division demoed a fully automated side loader. These units are operated by one person. The Units are low entry cabs with right side drive. It has a single retractable arm that can grab and dump specific styled 65 and 90 gallon containers.



Drawbacks are containers need to be set in specific locations and citizens are limited on the amount and types of waste they can set out.



Solid Waste Division Automated Demos



The Division demoed different styles of bulk trucks. The vehicles had a telescopic crane arm that could reach items as far as 32 feet from the truck and then deposit them into the container.

The operator can load items by cable remote on the ground or standup control that is located from a perch between the cab and the container. The container can be unloaded by a cable system or by tipping the bed.



The crane can lift weights of hundreds of pounds. The division found this operation to be quick and efficient.
