

Getting to Know the Solid Waste System - Medical Waste

Solid Waste Committee

August 15, 2024

State and Local Regulation

- ▶ Oregon Revised Statutes 459.386-405 Infectious Waste Disposal
 - ▶ Restricts collection, transportation, handling, and disposal of infectious waste
- ▶ Marion County Code 8.050.080
 - ▶ Unlawful to place infectious waste in receptacle for collection.
- ▶ Salem Revised Code Chapter 47
 - ▶ All solid waste *[including infectious waste]* generated in the City shall be disposed of in compliance with this chapter, and with all other applicable federal, state and local laws.

State and Local Regulation (cont.)

459.386 Definitions for ORS 459.386 to 459.405. As used in ORS 459.386 to 459.405:

- (1) “Biological waste” includes blood and blood products, excretions, exudates, secretions, suctionings and other body fluids that cannot be directly discarded into a municipal sewer system, and waste materials saturated with blood or body fluids, but does not include diapers soiled with urine or feces.
- (2) “Cultures and stocks” includes etiologic agents and associated biologicals, including specimen cultures and dishes and devices used to transfer, inoculate and mix cultures, wastes from production of biologicals, and serums and discarded live and attenuated vaccines. “Cultures and stocks” does not include throat and urine cultures.
- (3) “Disposal” means the final placement of treated infectious waste in a disposal site operating under a permit issued by a state or federal agency.
- (4) **“Infectious waste” includes biological waste, cultures and stocks, pathological waste and sharps.**
- (5)(a) “Pathological waste” includes:
 - (A) Biopsy materials and all human tissues;
 - (B) Anatomical parts that emanate from surgeries, autopsies and obstetrical and laboratory procedures; and
 - (C) Animal carcasses exposed to pathogens in research and the bedding and other waste from such animals.
- (b) “Pathological waste” does not include teeth or formaldehyde or other preservative agents.
- (6) “Sharps” includes needles, IV tubing with needles attached, scalpel blades, lancets, glass tubes that could be broken during handling and syringes that have been removed from their original sterile containers.
- (7) “Storage” means the temporary containment of infectious waste in a manner that does not constitute treatment or disposal of such waste.
- (8) “Transportation” means the movement of infectious waste from the point of generation over a public highway to any intermediate point or to the point of final treatment.
- (9) “Treatment” means incineration, sterilization or other method, technique or process approved by the Oregon Health Authority that changes the character or composition of any infectious waste so as to render the waste noninfectious.

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2023 Medical Waste Collection Statistics

▶ Low-Volume

- ▶ Customers 424 (72 scheduled, 352 on-call)
- ▶ Pickups 5,845

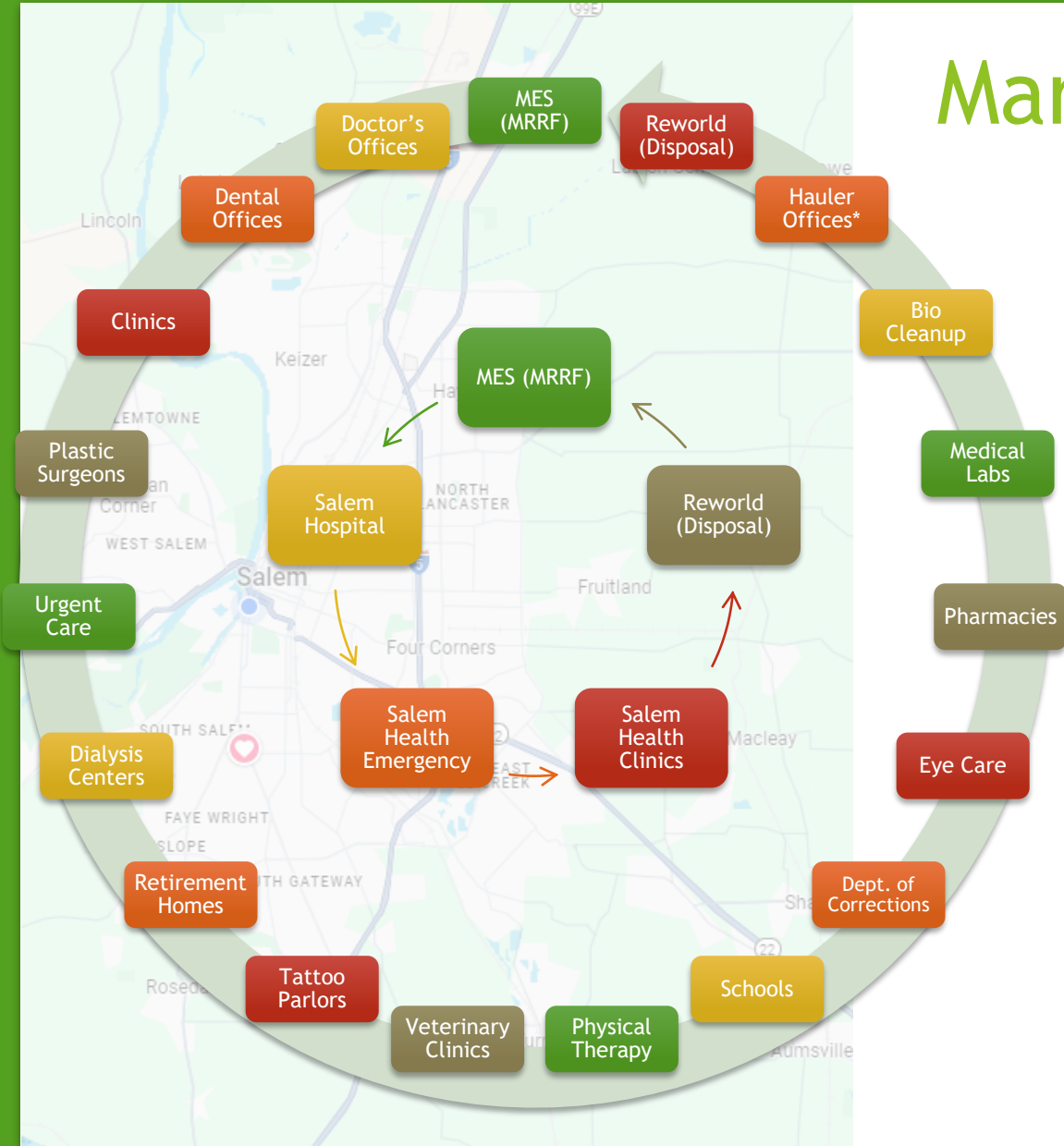
▶ Hi-Volume

- ▶ Customers 24 (18 scheduled, 6 on-call)
- ▶ Pickups 2,111

▶ Medical Waste Incinerated at Reworld

- ▶ Marion County 575.75 tons (3.3%)
- ▶ All Other 16,860.54 tons (96.7%)
- ▶ Total 17,436.29 tons

Marion Environmental Services



- ▶ Commercial Medical Waste Collection for All Franchised Haulers
- ▶ Three Service Levels
 - ▶ Low-Volume (1-59 boxes/month)
 - ▶ High-Volume (60+ boxes/month)
 - ▶ Hospital Collection
- ▶ One Box Truck
- ▶ Two Routes - 1.5 FTE
 - ▶ Medical Facilities in Marion County and Salem-Polk (1.0 FTE)
 - ▶ Salem Health Facilities (0.5 FTE)

TYPE OF SERVICE	City of Salem Proposed Monthly Rates 1-1-2024	
	Marion	Polk
7) COMMERCIAL MEDICAL WASTE COLLECTION		
Service provided by Marion Environmental Services.		
(a) Low Volume Generators (1-59 boxes per month)		
20 gallon box/bag	\$32.20	\$32.20
35 gallon box/bag	\$34.65	\$34.65
(b) High Volume Generators (60+ boxes per month)		
20 gallon box/bag	\$23.80	\$23.80
Salem Hospital - Collection/Disposal Only	\$9.95	\$9.95
35 gallon box/bag	\$26.45	\$26.45
Salem Hospital - Collection/Disposal Only	\$10.65	\$10.65
Supplies:		
(a) Supplies (not a monthly rate except for storage receptacle rental)		
Lids (20/35 gallons)	\$4.80	\$4.80
Sharps container	\$8.60	\$8.60
Franchisees sharps case	\$194.90	\$194.90
Franchisees sharps containers	\$4.90	\$4.90
20 gallon bag only	\$1.30	\$1.30
20 gallon box only	\$6.35	\$6.35
20 gallon box and bag	\$7.60	\$7.60
20 gallon bag, case of 100	\$127.90	\$127.90
35 gallon bag only	\$1.90	\$1.90
35 gallon box only	\$7.30	\$7.30
35 gallon box and bag	\$9.10	\$9.10
35 gallon bag, case of 100	\$188.80	\$188.80
Storage receptacle rental	\$26.85	\$26.85

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Residential Sharps Collection

- ▶ Hauler Supplies Sharps Container
- ▶ Customer Calls Hauler When Sharps Container is Full
 - ▶ Customers Can Drop off Sharps Container at Hauler's Office for a Reduced Price
- ▶ Hauler Collects Sharps Containers from Doorstep
 - ▶ Protect Customer Privacy
 - ▶ Reduce Container Tampering and/or Theft
- ▶ Hauler Leaves New Sharps Container
- ▶ Customer Billed Only When Container Collected



4) RESIDENTIAL – INFECTIOUS WASTE Sharps Container ^u - delivery, collection and disposal.	\$18.25
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Medical Waste

Pre-Tax Return on Revenue Service Level	Actual	Projected	
	2023	2024	2025
Low-Volume (1-59 boxes/month)	-9.6%	2.8%	-0.1%
High-Volume (60+ boxes/month)	-23.2%	1.6%	0.6%
Hospital Collection	10.0%	15.0%	13.4%
Combined	-8.0%	6.7%	5.3%

Medical Waste Disposal Fee	2023	2024	2025	2026
MC Adopted Rate \$/Ton	\$87.45	\$150.00	\$225.00	\$300.00
% Increase	0.0%	71.5%	50.0%	33.3%

Medical Waste

Adopted Rate Increases	Jan-2024	Jan-2025
• Low-Volume	21.5%	2.8%
• High-Volume	32.3%	6.5%
• Hospital Collection	29.9%	14.3%
Combined Total	28.8%	8.4%



Questions?