



Salt Lake County

Solid Waste Management

Overview of Current Operations, Processes, Sustainability Efforts, and Future Plans

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Patrick Craig, Executive Director

Details of Current Operations

Ownership & Location

- Salt Lake County and Salt Lake City co-own the Salt Lake Valley Landfill and the Salt Lake Valley Transfer Station (located in South Salt Lake).
- Landfill Size:
 - Approximately 543 acres (396 acres currently permitted for disposal in Modules 1-11).
- Operation Agreement:
 - Operated by Salt Lake County per the Interlocal Agreement.





History & Utilization

- Landfill Disposal in EPA Subtitle D (lined disposal modules) began in 1992. Transfer Station operations began in 1999.
- Current landfill operations include Modules 1-7 (approximately 231 acres).
- Module 8 (approximately 35 acres): Under construction, expected completion in late 2024.
- Future Modules: 9, 10, and 11 (approximately 130 acres) expected to be constructed in 2045, 2050, and 2055, respectively.

Current Operations Data

- **Transaction and Waste Processing:**
 - Processes approximately 1,300 transactions per day at the landfill.
 - Receives approximately 1,500 tons of waste per day at the landfill.
 - 58% of waste comes through the Transfer Station to the landfill.
- **Financial Operations:**
 - Enterprise Fund on all operations.
 - Metal recycling incentive for Solid Waste employees to increase the volume recycled.
 - Annual disbursement from non-waste revenue funds to the owners.
 - No Contra items.

Current Processes at the Landfill

- Non-Tipping Face Operations:
 - Citizens Unloading Area (waste transferred to the Tipping Face).
 - Household Recyclables Item Bins (Glass, Plastics, Cardboard, and Metal Cans).
 - Collection of Tires, Mattresses, Metals, and Freon Containing Units for recycling.
 - Household Hazardous Waste Dropoff Facility (Satellite location operated by the Salt Lake County Health Department).
 - ET Technologies Soil Processing (remediation of hydrocarbon-contaminated soils).
 - Compost Operations (curbside collected green waste into compost for sale).
 - Landfill Gas collection for electricity generation.

Sustainability Efforts in 2023

- **Recycling Achievements:**

- Recycled 20,000 mattresses.
- Recycled 3,600 freon-containing units.
- Recycled 80 tons of cardboard, 1,750 tons of metal, 16 tons of glass, 46 tons of carpet pad, and 19 tons of plastics.
- Recycled 130 tons of tires (7,000 tires).

- **Compost Production:**

- Re-used 20,000 tons of curbside collected green waste to produce compost.

- **Energy Production:**

- Utilized landfill gas (630 MMCF) to produce 2.4 MW of electricity (power for 3,300 homes for a year).

Future of Operations

- Landfill Lifespan:
 - Expected to remain open until approximately 2080 based on current waste volumes.
- Post-Closure Care:
 - Minimum of 30 years of post-closure care and maintenance required after the facility closes.

QUESTIONS?
