Salt Lake County Household Hazardous Waste

Environmental Health

- Salt Lake County
  - Health Department
    - Environmental Health
      - Air Quality
      - Food Protection
      - Sanitation and Safety
      - Water Quality Bureau

What is household hazardous waste?

▶ The Environmental Protection Agency defines it as corrosive, toxic, or flammable products that can react or explode when mixed with other substances.

▶ The goal of the program is to reduce the amount of household hazardous waste (HHW) in homes and the environment.

What is not HHW?

- Dried latex paint
- Empty containers
- Alkaline batteries
- Paper, Plastic, Glass, Metal

Why?

New Jersey village told to prepare for evacuation as EPA deals with mystery chemicals

By Rich Calder

April 22, 2023 | 8:46pm | Updated

- Soil
- Water
- Air
  - Incinerate
  - Adverse health outcomes for humans, and animals

Operations - Facilities

Facilities

- One full-time at the Salt Lake Valley Landfill
- Partnership at the Trans-Jordan Landfill
- Murray ABOP (has been discontinued)
- Sandy HHW (opened July 2024)
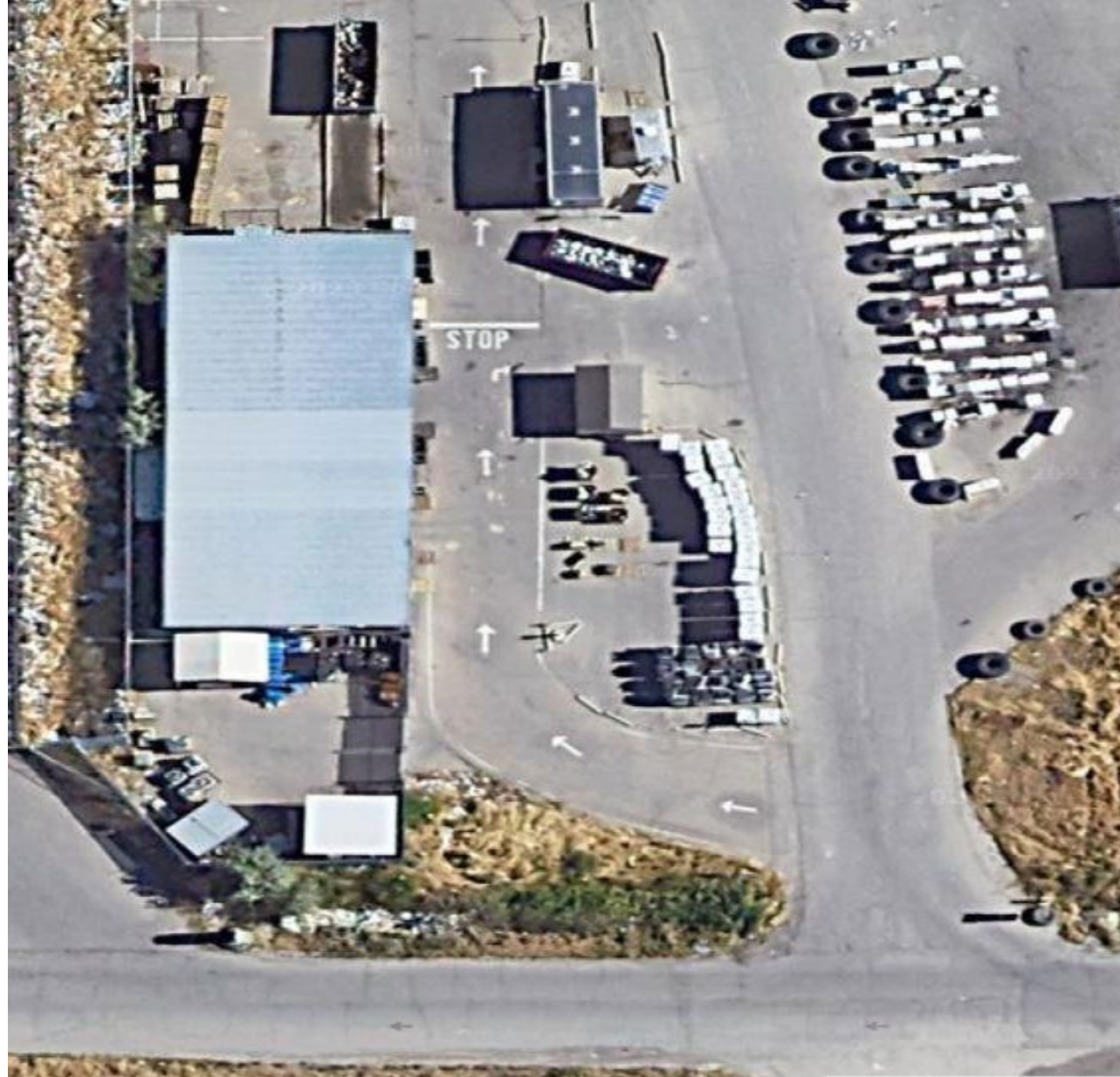
HHW SLV Facility

Top is north

Scale house to the east.

PCC to the West

Trans-Jordan landfill

- Interlocal Govt Entity owned by 7 cities
- They supply the labor
- We supply materials and pay for disposal costs
- They subtract their costs from tonnage fees
- E- waste

Sandy HHW

- ► Location is approximately 9000 s and 700 W in Sandy
  - ► By Sandy Public Works
- ► Groundbreaking March 2023
- ► Opened July 2024
- ► Storage issues
  - ► Middle of city

Operations - Staff

- Staff
  - Supervisor
    - Jose
  - One chemist
    - Ed
  - Five technicians
    - Aaron, Chris, David, Scott, Maeve
  - Occasional temporary employees
    - Brooklyn
    - Two more to be staffed for summer season

Unusual Waste

- Specimens in bottles
- C4
- Sodium
- Old Lab Chemicals
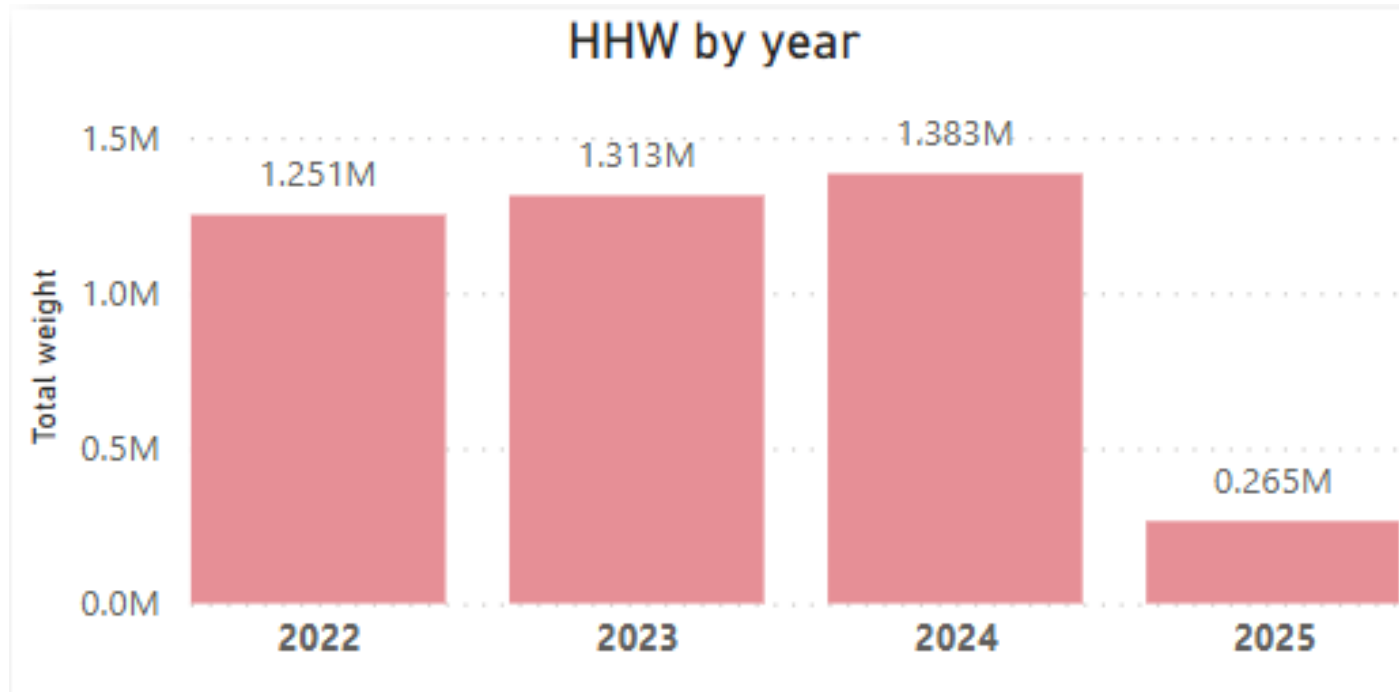- Antique Thermometers and Fire Extinguishers
- Homemade Gadgets
- Mystery Bottles

Disposal amounts in 2023 and 2022

2023

▶ 772,000 pounds of paint

▶ 17,238 pounds of lab pack chemicals

▶ 70,900 pounds of used oil

▶ 36,108 pounds of antifreeze

▶ 132,880 pounds of fuel

▶ 59,012 pounds of fertilizer, herbicides, and pesticides

▶ 44,507 pounds of aerosols

▶ 56,205 pounds of t-Ox chemicals

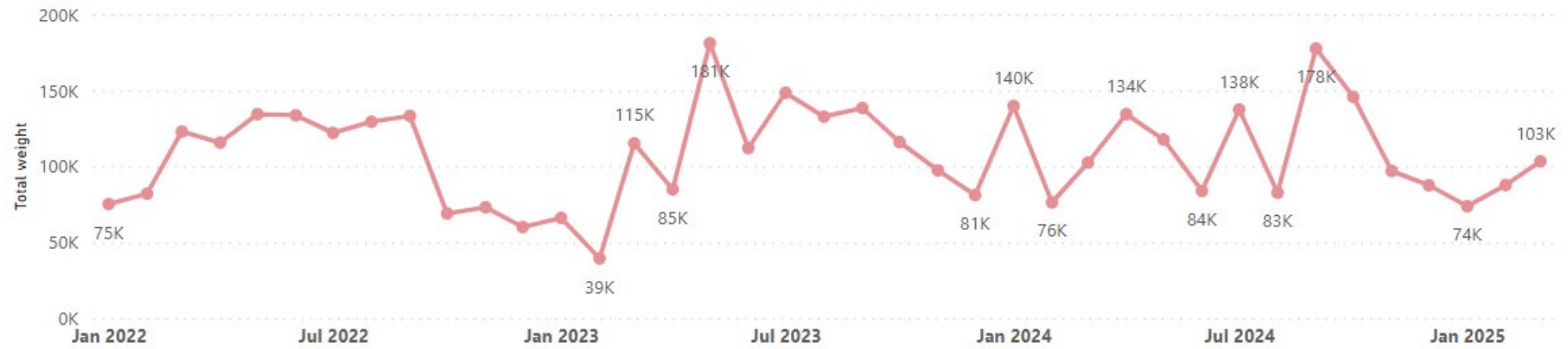▶ 118,339 pounds of electronics

▶ 3,633 pounds of florescent light bulbs

2024

▶ 779,037 pounds of paint

▶ 25,492 pounds of lab pack chemicals

▶ 60,309 pounds of used oil

▶ 43,841 pounds of antifreeze

▶ 104,501 pounds of fuel

▶ 60,935 pounds of fertilizer, herbicides, and pesticides

▶ 38,200 pounds of aerosols

▶ 94,926 pounds of t-Ox chemicals

▶ 315,850 pounds of electronics

▶ 5,838 pounds of florescent light bulbs

History

HHW by month

Disposal reduction

▶ Re-use shed

  ▶ (Most surprising)

▶ This year kept the Re-use shed at SLV open for Winter season

▶ Please come take a look to see what we have!

Community Partners

Roughly 140,000 Pounds of material diverted to reuse shed for community

What do we do with waste?

- Clean Harbors
  - Aragonite incinerator
  - Clive
  - Other facilities throughout the country
- Rock Canyon Oil
  - Oil
  - Anti-freeze
- Battery Solutions
- METech
  - Electronics
- Prepaid boxes for light bulbs
- Veolia

Challenges

Expensive

- One propane tank costs $96 dollars to dispose.

No great outlet

- Propane
- Electronics

As fuel and labor prices increase, our disposal company increases prices
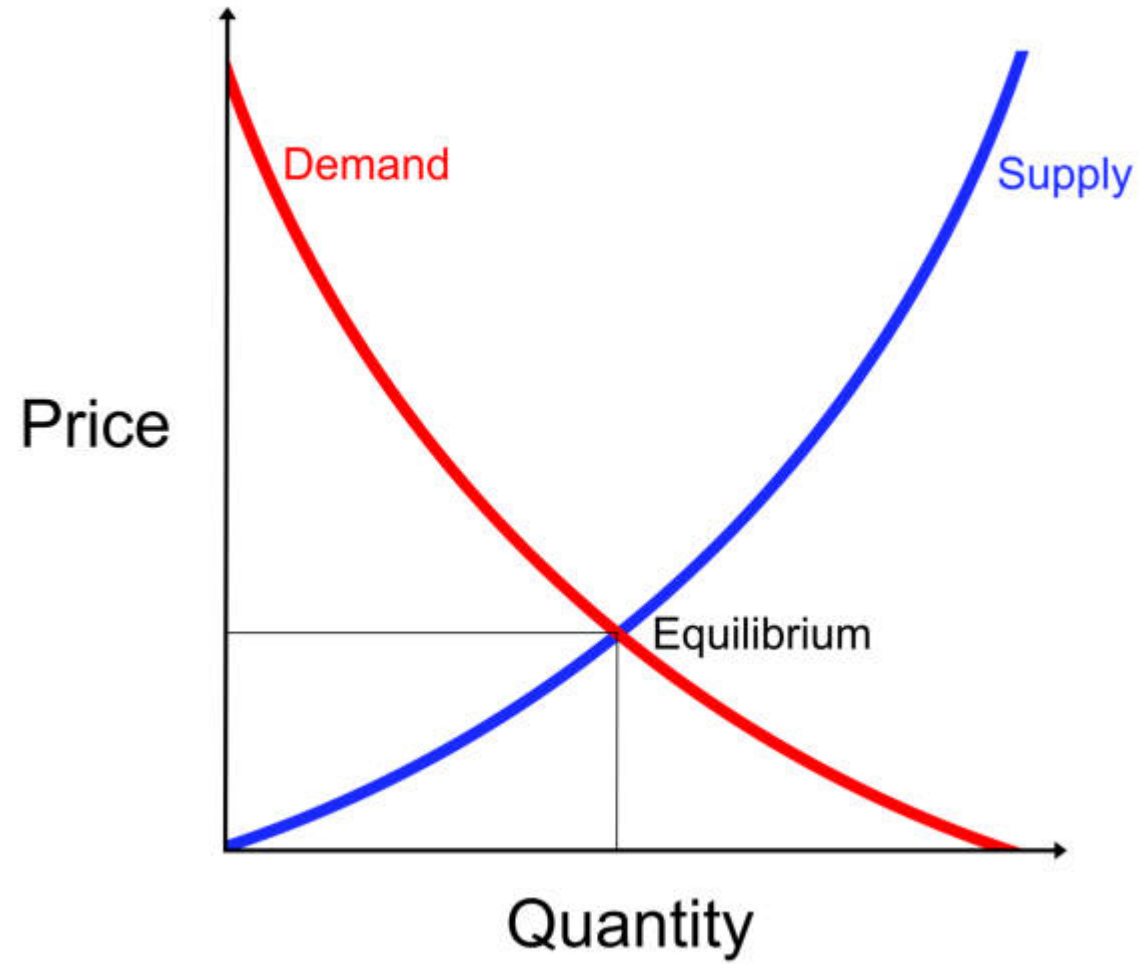
Success has consequences

Overall challenges

- Business waste VS Residential waste
  - Service is free for residents of Salt Lake County
  - How do we determine if it's business or residential?
    - What happens to the waste if we reject a load?

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Unknowns

- Demand
- Operating costs
- Staffing
- Maintaining relationships
- with existing partners
  - Tonnage fees

Take aways

Proper Disposal Protects Health and the Environment

Many Common Items Are Hazardous

Participation Prevents Pollution It's Easy to Participate

Questions?