

Prohibited Waste Management at Material Recovery Facilities (MRFs)

**CIWMB
Load Check Training
2007**

Waste Management, Inc.

Prohibited Waste Management at Material Recovery Facilities

- Issues
 - MRFs may not require SWFP
 - MRFs covered by SWFP may not be specifically included in load check program
 - Residential customers desire to either recycle or divert materials from solid waste stream
 - Unlike transfer stations and landfills - nowhere to hide on sort line for prohibited wastes

Prohibited Waste Management at Material Recovery Facilities

- MRF Process

- Collection
- Tipping



Prohibited Waste Management at Material Recovery Facilities



Prohibited Waste Management at Material Recovery Facilities



Prohibited Waste Management at Material Recovery Facilities

- MRF Process

- Processing

- Sorting

- Baling

- Commodities Loading/Shipment

- Residual Management

Prohibited Waste Management at Material Recovery Facilities



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Prohibited Waste Management at Material Recovery Facilities

- What's Different About Handling Prohibited Wastes on the MRF Sort Line
 - Visibility and Proximity
 - When prohibited waste present very high probability
 - It will be observed
 - It will be in close proximity to sort line personnel

Prohibited Waste Management at Material Recovery Facilities

- What's Different About Handling Prohibited Wastes on the MRF Sort Line
 - Velocity and Gravity
 - Collection vehicle to sort line to storage box ride not so good for integrity of containers
 - Chemical exposure and ergonomic hazards in picking materials off the belt

Prohibited Waste Management at Material Recovery Facilities



Prohibited Waste Management at Material Recovery Facilities

- What's Different About Handling Prohibited Wastes on the MRF Sort Line
 - Design of sort lines limits management options
 - Managing prohibited wastes requires a deliberate approach which is counter to line productivity

Prohibited Waste Management at Material Recovery Facilities



Prohibited Waste Management at Material Recovery Facilities



- Frequent Flyers

- Lead Acid Batteries
- Used Oil

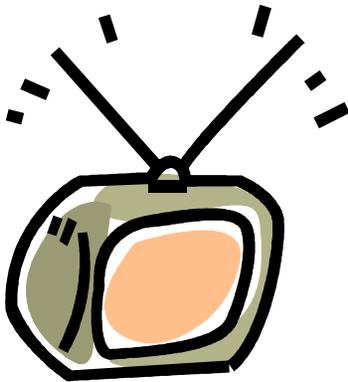


Prohibited Waste Management at Material Recovery Facilities

- Regulars
 - Medical Wastes
(primarily sharps)
 - Dry Cell Batteries



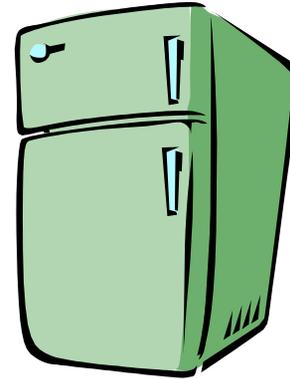
Prohibited Waste Management at Material Recovery Facilities



- On the Increase
 - Televisions
 - Computer components
 - E-waste

Prohibited Waste Management at Material Recovery Facilities

- Would You Believe?
 - Refrigerators
 - Washers/Dryers



Prohibited Waste Management at Material Recovery Facilities

- Safe Handling of Prohibited Wastes on the Sort Line
 - Remove/segregate before processing
 - Proper PPE
 - Procedure to pause sort line
 - Immediate containment
 - Proper management of hazardous wastes

Prohibited Waste Management at Material Recovery Facilities

- Further Steps
 - Tracking the Source
 - Load checking pre-processing by route
 - Additional Public Education
 - General and based on load-check findings