

Appendix 7 City of Colorado Springs Colorado Springs Airport Case Example

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City of Colorado Springs
Colorado Springs Airport (COS)
Colorado Springs, Colorado

Colorado Springs Municipal Airport's (COS) waste diversion and recycling program was originally initiated as part of a City of Colorado Springs waste management contract. The program was then expanded to address environmental issues and to support a City-wide sustainability initiative. During the contracting process for the existing waste collection services, COS's environmental staff had input into the Request for Bids and service specifications.

The City Procurement/Purchasing Department administers waste and recycling contracts with private collection companies, who provide data about the waste generated at COS. A sample of data provided by the contractor is included at the end of this case example. Waste management activities are funded by the Facilities Department, the Environmental Department measures and tracks the programs metrics, and together these departments monitor the status of waste activities. COS provides infrastructure like compactors and dumpsters (Figures 1 and 2) and recycling bins and trash cans for single stream recycling and waste (Figure 3). To use resources efficiently, some of the facility's trash cans were converted to recycling bins (Figure 4). COS manages these activities within the public areas of the terminal building and employee offices/work areas. Airport staff provide janitorial services in these areas.

To guide employee activities, COS has established a written procedure which outlines proper disposal practices for solid waste and recyclables, as well as other waste streams (hazardous, universal, and special wastes). This procedure is included at the end of this case example. Airport employees reuse plastic bags, office supplies, and pallets where possible. Recyclable, recycled content, sustainably sourced, or packaged in bulk paper products, custodial supplies, and other items are purchased for use at COS. COS manages green waste generated from facility maintenance activities (landscaping) on site. Branches and other materials are chipped, stockpiled, and used at the facility for mulch. COS conducts recurring, regular training with its employees on the topic of waste management, including recycling. Airport janitorial staff have also received training on recycling and provide feedback based on their observations of the program. Sample employee and janitorial staff training materials are included at the end of this case example.

COS's tenants manage waste and single stream recycling, as well as housekeeping, within their areas and some use the COS's dumpsters and compactors. To support tenant participation in the recycling program, COS provides training on waste management and recycling to airline, rental car, and concessions. COS has also surveyed tenants regarding interest in specific programs, for example, printer toner cartridge collection and recycling. The cost for waste and recycling services is included in the tenants' lease rates.

COS is planning to become even more sustainable and reduce operating costs through improvements to the recycling program. One identified opportunity for potential improvement is expansion of the program to include additional waste materials and streams.



Figure 1: Airport provided compactor, courtesy of Colorado Springs Municipal Airport



Figure 2: Airport provided dumpsters, courtesy of Colorado Springs Municipal Airport



Figure 3: Terminal recycling bin and trash can, courtesy of Colorado Springs Airport



Figure 4: Conversion of trash can into recycling bin, courtesy of Colorado Springs Airport



ENVIRONMENTAL GUIDELINES AND STANDARD OPERATING PROCEDURE Waste Management and Recycling

WASTE MANAGEMENT AND RECYCLING PROCEDURE

Procedure Created/Revised: 5/2017

Procedure Administrator: Airport Environmental/Kris Andrews

PURPOSE/DESCRIPTION: The purpose of this waste management procedure is to reduce the potential of inappropriate disposal of waste and potential stormwater pollution by implementing proper waste handling and disposal practices. These practices include regular inspection of waste disposal areas, using proper waste disposal containers, and ensuring waste container lids are properly labeled and secured.

EMERGENCY NOTIFICATION

The Airport Communications Center needs to be notified immediately of any spills or leaks from any hazardous waste, universal waste or special waste.

WASTE DISPOSAL PROCEDURE/REQUIREMENTS

Solid Waste

Per the Colorado Solid Waste regulations, solid waste is defined as discarded material including solid, liquid, semisolid, or contained gaseous material resulting from industrial operations, commercial operations or community activities. "Solid waste" does not include any solid or dissolved materials in domestic sewage, or agricultural wastes, or solid or dissolved materials in irrigation return flows, or industrial discharges that are point sources subject to permits under the provisions of the Colorado Water Quality Control Act. All non-hazardous solid waste can be disposed in the trash.

Hazardous Waste

Hazardous waste requires proper off-site disposal. Hazardous waste may include unused chemicals or specific chemical spills that are known to be hazardous as defined in the Colorado Hazardous Waste regulations. Please contact the Airport Environmental Specialist if you suspect you have hazardous waste that requires disposal.

Universal Waste

Universal waste is waste that can be recycled instead of being managed as a hazardous waste. Universal waste includes electronic waste (electronic devices and components); mercury-containing lighting (fluorescent lamps) and mercury-containing devices (thermostats); waste batteries, aerosol cans containing hazardous waste; and specific pesticides. Universal waste lamps for recycling are located in the double-doored ramp level offices between gates 5 and 7.

Special Waste

Special waste consists of waste such as used absorbent from spills that is usually considered non-hazardous. Special waste is typically disposed to a landfill with the completion and approval of a waste profile via Waste



ENVIRONMENTAL GUIDELINES AND STANDARD OPERATING PROCEDURE

Waste Management and Recycling

Management. Containers with special waste must be properly labeled including drums that are empty. Please contact the Airport Environmental Specialist for profile approval and waste manifests.

RECYCLING REQUIREMENTS

Recyclable Materials

The Airport, as part of the City of Colorado Springs contract with Waste Management, offers a single-stream recycling program where all recyclables can be commingled into one container and do not need to be separated. The following materials are recyclable: plastic bottles (#'s 1-7), aluminum cans, aluminum foil and bakeware (with no food residue), steel and tin cans (soup can, veggie cans, coffee cans, etc.), corrugated cardboard, paperboard, office paper, magazines, newspaper, glass bottles and jars. Please ensure recyclables are not kept in plastic bags as the bags can become entangled in the recycling equipment. Also, the following items need to be kept out of the recycling bins as they can contaminant the bin: trash items including food waste, foam containers, used paper product (plates, cups, paper towels, etc.)

Recycled materials in the blue recycling containers located in the passenger areas or in the blue recycling bins in offices, break rooms, etc. need to be disposed of in the green recycling dumpsters. There are recycling dumpsters located on the west ramp north of gate 3 and along the concrete wall on the west loading dock area.

Please contact the Airport Environmental Specialist with any questions on what can be recycled.

DOCUMENTATION

- Waste logs
- Waste manifests

TRAINING

- Annual Environmental Procedures training includes waste management and recycling procedures

REGULATIONS

- 6 CCR 1007-2 CO Solid Waste Regulations
- Guide to Generator Requirements of the Colorado Hazardous Waste Regulations
- Colorado Hazardous Waste Regulations under 6 CCR 1007-3
- 6 CCR 1007-3, Part 261 State RCRA Regulations
- 49 CFR 100 – 185 DOT Regulations



Environmental Procedures Training



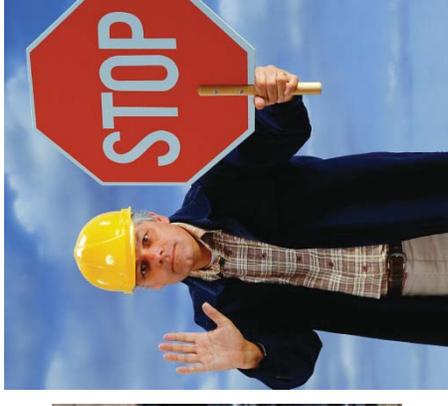
Solid Waste Management

- Proper waste management
- May come across items that require special disposal and cannot be tossed in the trash

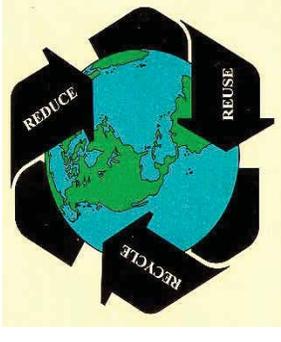


Solid Waste or Special Waste?

- Special waste may be hazardous or non-hazardous and requires special disposal
 - Vendor pickup
 - Universal waste
 - Sand/grease trap waste
 - Oil/water separator waste
 - **Profiled and taken to landfill (coordination required) – contact Kris**
- Please make sure to forward all waste manifests



What's Recyclable?



Recyclable

- Glass
- Plastic
- Aluminum
- Tin
- Cardboard
- Office Paper including coated paper
- Magazines/books
- Junk mail
- Envelopes
- Brochures
- Manuals with glue bindings
- File folders

Trash These

- Plastic bags
- Styrofoam
- Candy wrappers
- Used paper products – paper plates, cups, paper towels, etc.
- Wax paper
- Food waste



Waste Management Facts

- In a lifetime the average American will throw away 600 times the amount of his or her adult weight in garbage. For example, a 150 pound adult will leave a trash legacy of 90,000 pounds.



Source: <https://www.wm.com/location/california/sacramento-valley/winters/facts/index.jsp>

Recycling Fact

- A recycled soda bottle can be made into a detergent bottle, egg carton, paint brush, etc., but cannot be remade into another soda bottle.
- Only about 1% of all plastics are currently recycled



Waste Disposal Fact

- North Americans throw away 2.5 million plastic bottles every hour



REVIEW – Trivia 3

- How many plastic bottles are thrown in the trash each day?

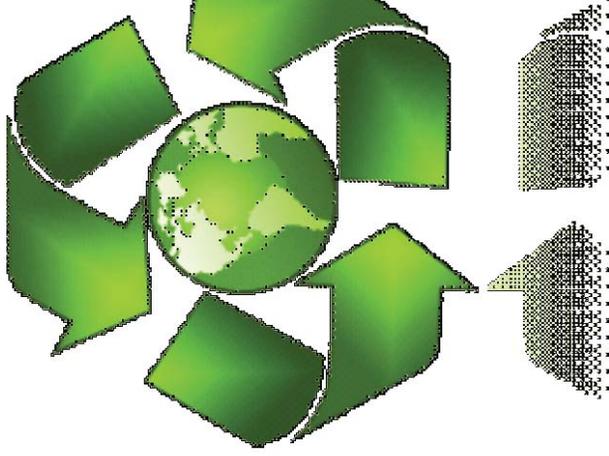
- A. 250,000
- B. 500,000
- C. 5 million
- D. 10 million
- E. **60 million**



"What really annoys me are all the empty Evian bottles."

Quiz – Question 14

- **What item cannot be placed in the recycling roll off containers on the east or west compactor areas?**
 - A. Tin cans
 - B. Plastic bags
 - C. Colored paper
 - D. Cardboard
 - E. All of the items are acceptable



Trivia: The average American office worker goes through around 500 disposable cups every year.

REVIEW – Question 14

- What item cannot be placed in the recycling roll off containers on the east or west compactor areas?

- A. Tin cans
- B. Plastic bags**
- C. Colored paper
- D. Cardboard
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