

Appendix 31

Back-Of-House Composting Toolkit

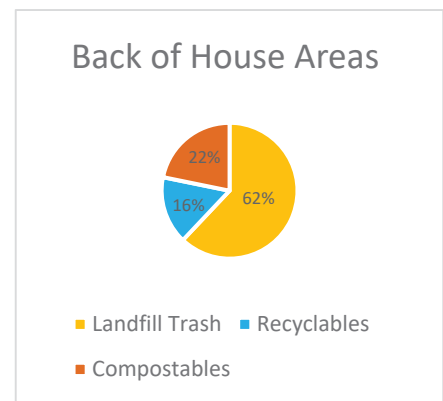
- **Austin Bergstrom International Airport (AUS) Composting Trail Plan**
- **Back-of-House Composting Photos from Case Examples**

Austin Bergstrom International Airport Composting Trial Plan 1/5/2017

Background:

The Austin Bergstrom International Airport (ABIA) contracted with Texas Disposal System (TDS) in 2015 to provide a "Total Waste Management Program" for the airport. This includes managing waste from the terminal, airplanes "deplaned waste", and various locations around the airport. The overall goal of the ABIA sustainability program and this partnership is to reduce the amount of waste going into the landfill and increase the amount of waste being diverted into other streams through recycling and composting. We measure the success of the overall waste program through diversion rate. The diversion rate for the terminal is based off of the actual weight of waste being landfilled compared the weight of the waste being diverted into other waste streams such as recycling and composting. ABIA is implementing a composting program in 2017 with the help of onsite concessionaires and TDS.

During the recent single day waste sort, 331 lbs. of compostable material was collected from the "back of house" restaurant areas; which accounted for 22% of the waste from these areas and 3% of the overall waste for the terminal (not including deplaned waste). This works out to approximately 60 tons of compostable material a year that could be diverted from the landfill and put to a beneficial use.



Contract Language

Retail Food and Beverage Concession Lease Amendment
Effective Date [REDACTED]

"SECTION [REDACTED] TRASH, WASTE AND REFUSE

B. Concessionaire shall comply with the City's Universal Recycling Ordinance and any other City and Airport rules, regulations, and ordinances pertaining to waste diversion. If at any time during the Term, Airport establishes an Airport-wide recycling program or food waste composting program, Concessionaire agrees to participate in any such program at its own cost."

Composting Trial Plan

The purpose of this plan is to document the goals of the composting trial, clearly detail how the trial is to be carried out and how results are measured. To prepare for the implementation of a "back of house" composting program at the ABIA terminal we are scheduling a composting trial for January 9th through 13th to work out the logistics. To clarify the "back of house areas" of the concourse are the restaurants food prep and work areas which aren't accessible to the public. A training session will be provided by TDS and the COA Aviation Dept. to DNC management on Thursday January 5th at 1:30 pm during their weekly meeting. This trial will be a learning process, so the procedures detailed in this plan may change as the trial goes on to develop the most efficient process.

Composting Trial - Tentative Schedule

| JANUARY | | | | | | |
|---------|----|----|----|----|----|----|
| S | M | T | W | T | F | S |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

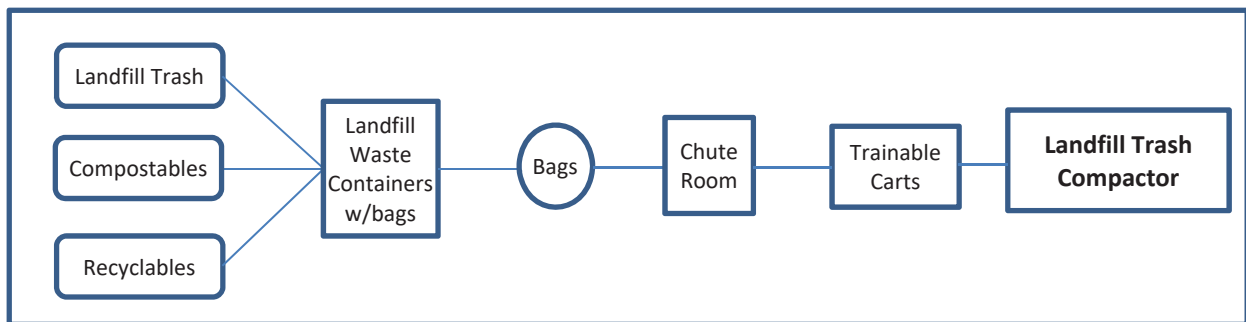
Training
Trial

Goals

To work out the logistics required to capture all of the compostable materials from the “back of house areas” within the terminal and transport it to TDS for composting.

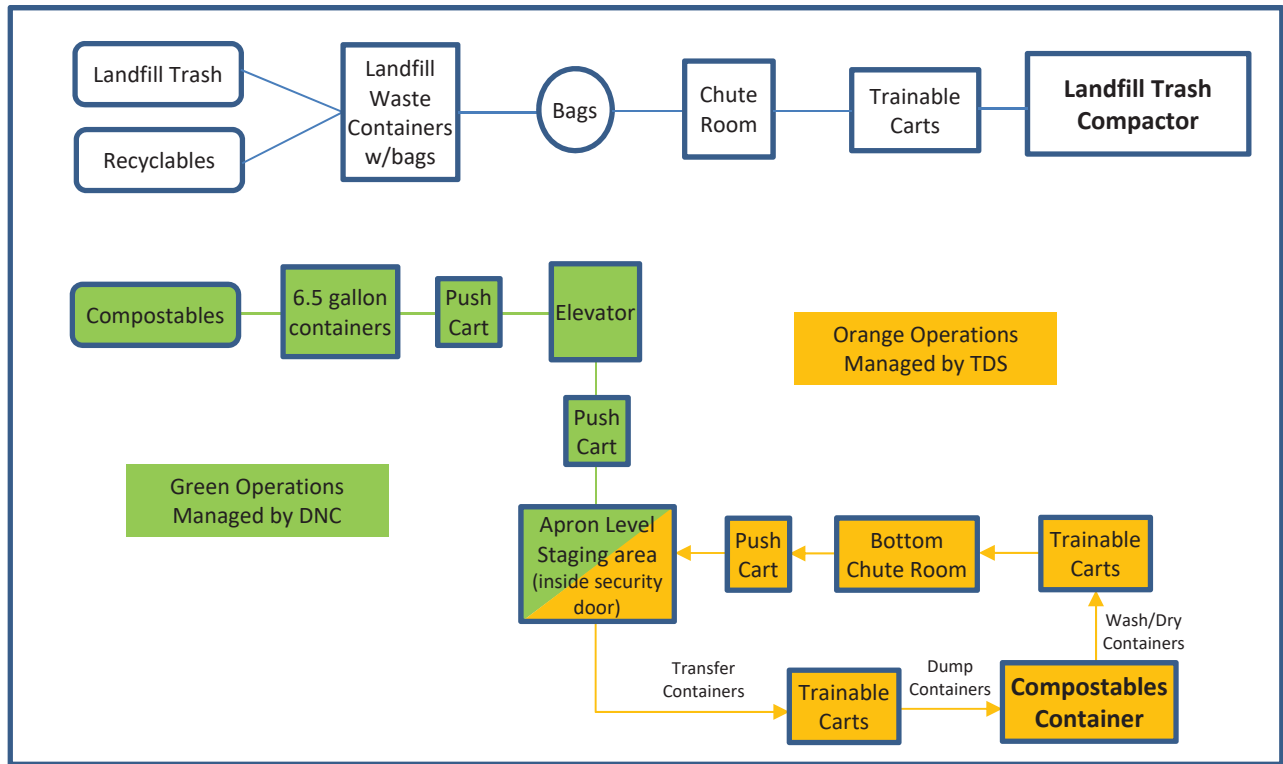
Current Back of House Waste Operations:

Currently all waste (landfill trash, recyclables and compostables) from the back of house areas is not separated. It’s collected together as landfill trash. We are working to implement recycling using existing containers but are awaiting blue bags to make sure recyclables and landfill trash can be easily separated and managed. The bags are transported and deposited in the landfill trash chutes located in the east and west chute rooms throughout the day by concessionaire personnel (DNC, Paradies, etc.). The bags fall down the chute to the landfill trash trainable carts and are ultimately transported to, and deposited in, the landfill trash compactor by TDS personnel.



Composting Trial Operations

During the composting trial concessionaire personnel will separate compostable wastes from the trash / recycling wastes. The compostable waste will be placed in 6.5 gallon square organics containers with lids (provided by the COA). These will be kept in key locations throughout the back of house areas where food wastes are created. Twice a day at a specified time (or as required) DNC personnel will take the cart from the chute rooms and pick up the organics containers from their locations and transport the cart with containers down the elevator to the security door leading to the apron level. TDS personnel will then pick up the cart and transport it through the security door to the tug tunnel area and transfer the organics containers to a trainable cart. TDS personnel will then replace clean containers (staged in the bottom chute room) on the cart and place it back inside the security door for DNC personnel to take back up the elevator and back to the restaurant areas. If the time changes, DNC personnel will contact the onsite TDS Lead by cell phone () so they are aware the containers have been brought down the elevator. TDS will transport the containers to the compost container located in the compactor area, where they will dump the containers and rinse them out and place them upside down to dry. After drying they will be returned to the bottom chute room for staging.



Compostable waste will be separated and collected from the start of operations (approximately 4:00 am) on Monday January 16th and continue until end of operations on Friday January 20th (approximately 9:00 pm). The compostables container will be serviced and weighed by TDS on Friday of that week with weights being sent to B.J. Carpenter ASAP.



Food waste collected from Airport restaurant for composting; courtesy of City of Austin
Department of Aviation



Food waste collected from Airport restaurant for composting; courtesy of City of Austin
Department of Aviation



Food waste compost collection cart; courtesy of City of Austin Department of Aviation



Food waste compost collection cart; courtesy of City of Austin Department of Aviation



Food waste compost collection cart; courtesy of City of Austin Department of Aviation



Food waste compost collection cart; courtesy of City of Austin Department of Aviation



Food waste compost collection cart; courtesy of City of Austin Department of Aviation



Food waste compost dumpster; courtesy of City of Austin Department of Aviation



Food waste compost dumpster; courtesy of City of Austin Department of Aviation



Contents of food waste compost dumpster; courtesy of City of Austin Department of Aviation



Restaurant kitchen food waste compost bin, courtesy of Denver International Airport



Food waste compost collection totes in staging area, courtesy of Denver International Airport



Entrance to compost container wash facility, courtesy of Metropolitan Airports Commission



Compost container wash facility, courtesy of Metropolitan Airports Commission



Compost container wash facility, courtesy of Metropolitan Airports Commission



Tenant bucket wash area, including buckets stacked by size; courtesy of Port of Portland.



Back of house pre-consumer food waste collection for composting; courtesy of Port of Seattle



Back of house pre-consumer food waste collection for composting; courtesy of Port of Seattle