TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# Municipal Solid Waste in Texas: *A Year in Review*

*FY 2011 Data Summary and Analysis*

AS-187/12

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## FY 2011 Data Summary and Analysis

Prepared by
Waste Permits Division

AS-187/12
Revised November 2012

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# About the Municipal Solid Waste Reporting Program

*Municipal Solid Waste in Texas: A Year in Review* is submitted by the Municipal Solid Waste (MSW) Permits Section, Waste Permits Division, for publication after the end of each fiscal year. The primary purpose of the summary is to provide data on the amount of waste disposed and processed at MSW facilities during that fiscal year. The report also includes an estimate of the remaining disposal capacity as of the end of that fiscal year.

## Waste Managed by MSW Facilities

The definition of MSW is found in Title 30 of the Texas Administrative Code (30 TAC), Chapter 330 (Municipal Solid Waste), Subchapter A (General Information). MSW is defined as "solid waste, resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, dead animals, abandoned automobiles, and all other solid waste other than industrial solid waste." Industrial solid waste is defined and regulated under 30 TAC Chapter 335 (Industrial Solid Waste and Municipal Hazardous Waste).

The Texas definition of MSW considers the source, rather than the constituents or properties of the waste. Distributors, retailers, repair services, and the general public are municipal generators; manufacturers are industrial solid waste generators. For example, a power distribution provider is an MSW generator, where as an electric power generation plant is an industrial waste generator.

It is worth noting that the Texas definition of MSW is more encompassing than that of the United States Environmental Protection Agency (USEPA) and several other states. While the USEPA definition does not include construction or demolition (C&D) waste and municipal sludge, the Texas definition does. Based on the Texas definition, the per capita MSW disposal and generation rates for Texas may appear to be higher than those of other states.

Texas also defines industrial solid wastes as being separate and distinct from MSW. In Texas, industrial solid waste may also be defined as hazardous or non-hazardous, with the non-hazardous industrial solid waste further defined by classes.

- Class 1: industrial non-hazardous waste that, based on its constituents and properties, may pose a substantial danger to human health or the environment if it's not properly managed. There are special handling requirements for Class 1 wastes at MSW landfills. Solidified industrial sludge containing metals or organics may be a Class 1 waste.

- Class 2: industrial solid waste that cannot be described as hazardous, Class 1 non-hazardous, or Class 3. Activated sludge from industrial biological wastewater treatment and trash from plant offices are typically Class 2 wastes.
- Class 3: inert and essentially insoluble industrial solid wastes that do not readily decompose. Examples include bricks or concrete from an industrial facility.

It should be noted that waste classified as hazardous by federal rules cannot become non-hazardous through dilution. The Texas classification of Class 1 non-hazardous industrial waste is based on the leachable concentrations of constituents of concern found in the waste.

Under certain circumstances, non-hazardous industrial solid waste may be accepted at MSW landfills. Most MSW facilities may accept Class 2 and Class 3 wastes. Only facilities with dedicated Class 1 cells, which have more protective design requirements, may accept Class 1 nonhazardous waste.

## Who Files Reports

This summary includes data submitted to the TCEQ from both permitted and registered MSW facilities. The data is obtained by the agency under the authority of 30 TAC 330, Subchapter P (Fees and Reporting), which requires all registered or permitted facility operators to report the types and amounts of waste disposed or processed at the disposal facility or processing location.

## Reporting Period

Reports from MSW facilities are based on the state's fiscal year, which runs from September 1 through August 31. All references to 2011 in this annual summary are related to fiscal year 2011 (September 1, 2010, through August 31, 2011).

## Data Used

The data in this summary are condensed from annual reports submitted by 257 landfills (193 active and 64 inactive or in post-closure care) and 222 (175 active and 47 inactive) processing facilities (see Tables 1 and 2). The MSW Permits Section staff reviewed the data and verified and/or reconciled

discrepancies with facility representatives, quarterly report data, and the section's records (MSW Records). Facility reports include operational information (e.g., which counties the facility serves), administrative information (e.g., who owns or operates the facility), and facility activities (e.g., amounts and types of waste accepted or processed at the facility).

Texas statute allows an open but inactive landfill to reactivate and accept waste under certain circumstances. All open facilities are held to the requirements of their permit, regardless of their operational state.

In accordance with 30 TAC Section 39.510, if a permitted MSW facility has not begun accepting waste within six months of permit issuance or becomes inactive for six months, the owner or operator must post signs at the site specifying the facility's status. Additionally, if the period during which the facility does not accept waste is extended to two years from the date the permit was issued, or it has ceased accepting waste for two consecutive years, the owner or operator must indicate their intent to operate the facility in the future by notifying, in writing, the TCEQ executive director, publishing a notice in a local newspaper, and mailing a notice to landowners (within 500 feet) and local authorities. If the owner or operator does not intend to operate the facility, they should request revocation of their permit.

In accordance with 30 TAC Section 330.71 (g), if registered operators of MSW facilities do not commence physical constructions within two years of registration issuance, the TCEQ will automatically terminate their registrations.

Population data for this summary was obtained from the US Census Bureau's state population estimates[i] found at <www.census.gov/popest/data/counties/totals/2011/CO-EST2011-01.html>.

[i] Table 1. Annual Estimates of the Resident Population for Counties of Texas: April 1, 2010 to July 1, 2011 (CO-EST2011-01-48); Source: U.S. Census Bureau, Population Division; Release Date: April 2012; http://www.census.gov/popest/data/counties/totals/2011/CO-EST2011-01.html.

# Landfills Reporting

MSW Records indicated that for 2011 there were 305 permitted MSW landfills with a physical activity status of active, inactive, or in post-closure care. Of these, data were submitted for 257 facilities. Landfills not reporting were either inactive or in post-closure care according to MSW Records.

Disposal and capacity data were evaluated for all 193 active landfills. The breakdown of the number of facilities according to their activity status in relation to MSW Records and whether they submitted reports is summarized below in Table 1.

**Table 1. Landfill Activity Status for 2011**

| Activity Status | MSW Records | Reports Received |
|---|---|---|
| Active | 193 | 193 |
| Inactive – yet to receive waste | 12 | 11 |
| Inactive – previously received waste | 33 | 21 |
| Post-closure care – no longer accepts waste, have installed a final cover system, and do not plan to re-open | 67 | 32 |
| **Total** | **305** | **257** |

# Classification of MSW Facilities

## Landfills

**Type I facilities.** A Type I landfill is the standard landfill for the disposal of MSW. For 2011, 100 of the active landfills (52 percent) were Type I facilities.

**Type IV facilities.** A Type IV landfill accepts only brush, C&D waste, and other similar waste that will not putrefy. For 2011, 20 of the active landfills (10 percent) were Type IV facilities. In addition, Type IV landfills handled 8 percent of the total waste disposed and accounted for 4 percent of the total statewide remaining capacity. However, these landfills are not distributed evenly across the state; almost 75 percent are located in the greater Houston area.

**Arid exemption (AE) facilities.** Type I and Type IV landfills in relatively dry parts of the state may be permitted as arid-exempt landfills. These landfills are limited in the amount of solid waste they may accept and they are exempt from liner and groundwater monitoring requirements.[ii] In 2011, 73 landfills (38 percent) had an arid exemption. Arid exempt landfills accounted for 1 percent of the total waste disposed and 1 percent of the total statewide remaining capacity.

## Processing Facilities

Permitted and registered solid waste processing facilities are classified as Type V or Type IX facilities.

**Type V facilities.** Type V facilities transfer, incinerate, shred, grind, bale, compost, salvage, separate, dewater, or reclaim MSW, and/or provide other processing of MSW. They may be authorized by permit. However, some facilities qualify for authorization by registration if they meet specific requirements identified by statute and rule. An example of a facility that would qualify for a registration is a transfer station that includes a material recovery operation that recovers at least 10 percent by weight of the incoming waste stream for reuse or recycling.

**Type IX facilities.** A Type IX facility recovers energy, material, or gas for beneficial use, including landfill mining, within or adjacent to a closed landfill, an inactive portion of a landfill, or an active landfill.

MSW Records indicate that for 2011 there were 190 active processing facilities. Of these, 175 facilities reported.

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[ii] Title 30, Texas Administrative Code, Chapter 330, §330.5(b).

Processing facilities are differentiated by sub-types in MSW Records. The breakdown of the number of active facilities for 2011 according to their sub-types in relation to MSW Records and whether they submitted reports is summarized below in Table 2.

**Table 2. Breakdown of Processing Facilities for 2011**

| Facility Type | MSW Records for Active Facilities | | Reports Received | |
|---|---|---|---|---|
| | Permitted | Registered | Permitted | Registered |
| Autoclave | 3 | 1 | 3 | 1 |
| Liquid Waste Processor | 21 | 7 | 21 | 7 |
| Medical Waste Processor | 3 | 5 | 3 | 5 |
| Composting | 5 | 11 | 5 | 11 |
| Recycling & Recovery | 1 | 3 | 1 | 2 |
| Liquid Transfer Station | 0 | 9 | 0 | 4 |
| Transfer Station | 33 | 60 | 29 | 57 |
| Waste Incinerator | 3 | 0 | 3 | 0 |
| Gas Recovery | 2 | 23 | 2 | 21 |
| **Total** | **71** | **119** | **67** | **108** |

The total reported amount of waste processed by Type V facilities in 2011 is 7,947,039 tons. For the Type IX landfill gas recovery for beneficial use facilities, 15,197,086,699 cubic feet of gas were processed with 6,254,100,803 cubic feet distributed off-site. Power generated and used on-site was 301,548,427 kilowatt hours (kWh) while power generated and sold was 422,356,517 kWh.

# Other Information

**Use of scales.** The majority of active landfills in Texas (69 percent) used scales to measure all or some of their incoming waste. Facilities without scales (as well as many facilities with scales) reported waste disposal by volume (i.e., cubic yards), which was then converted to tons for this summary.

**Texas solid waste disposal fee.** As defined in Title 5 (Sanitation and Environmental Quality) Section 361.013(a) of the Texas Health and Safety Code:

> *"…the commission shall charge a fee on all solid waste that is disposed of within this state. The fee is $1.25 per ton received for disposal at a municipal solid waste landfill if the solid waste is measured by weight. If the solid waste is measured by volume, the fee for compacted solid waste is 40 cents per cubic yard or, for uncompacted solid waste, 25 cents per cubic yard received for disposal at a municipal solid waste landfill."*

Landfill operators collect this disposal fee as part of the tipping fee they charge their customers. This fee is based on weight or volume, depending upon the type of waste and method of delivery to the landfill.

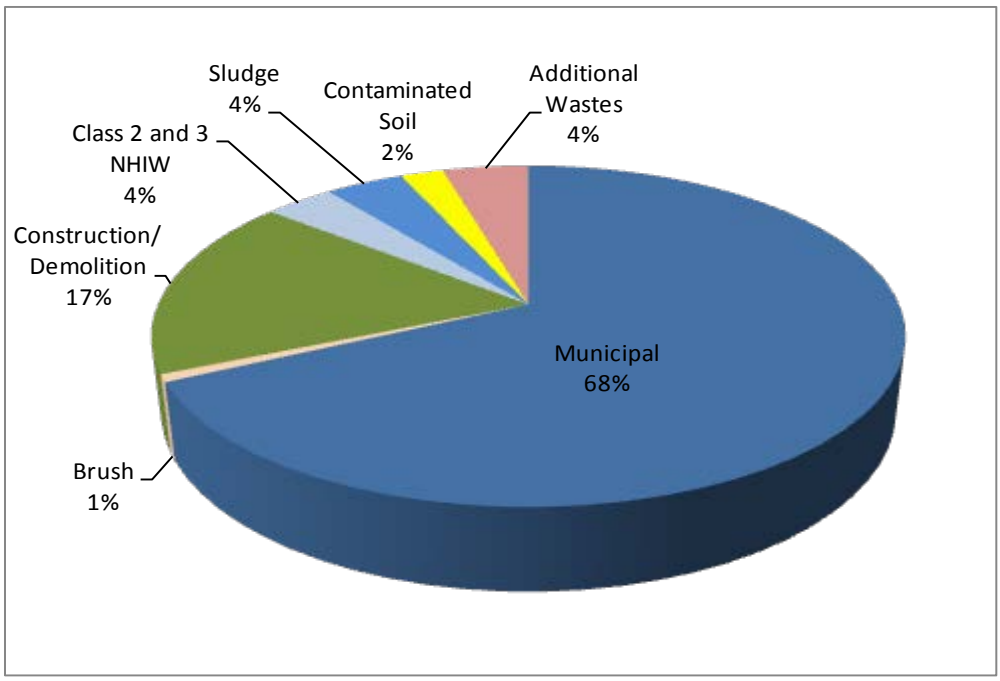
For 2011, 134 landfills reported collecting tipping fees by the ton of waste, and the statewide reported average rate was $32.00 per ton. Fees for waste measured in compacted cubic yards averaged $9.02 per cubic yard, with 47 facilities reporting. For waste measured in uncompacted cubic yards, 77 facilities reported collecting fees, and the statewide reported average rate was $9.71 per cubic yard.

# Waste Information

**Types of wastes.** Although the majority of MSW disposed in Texas is residential and commercial waste, landfills have difficulty in estimating the amounts received for each waste type. For the purpose of this annual summary, residential and commercial waste are combined and defined as "municipal." For 2011, municipal waste accounted for approximately 68% of the total waste disposed. At 17 %, construction and demolition waste was the second largest waste type disposed in the state. Waste type considered as "Additional Wastes" includes, but is not limited to: tires, medical waste, dead animals, litter, grease trap waste, and grit trap waste.

Figure 1 and Table 3 provide a breakdown for the estimated amounts of various waste streams that disposal facilities accepted in 2011.

**Figure 1. Breakdown of Waste Types Landfilled in Texas for 2011**




Note: Class 1 NHIW waste is included in "Contaminated Soil" and "Additional Wastes" categories.

**Out- of-State Waste.** For 2011, three landfills reported receiving MSW from Mexico for a total of 1,569 tons. In addition, seven landfills reported receiving MSW from Arkansas, Louisiana, New Mexico, and Oklahoma for a total of 122,365 tons. There are no requirements for reporting the amount of MSW that leaves the state.

**Table 3. Breakdown of Waste Types Landfilled in Texas for 2011**

| Waste Type | Number of Landfills Accepting Waste Type | Tons Disposed | Percent of Total Tons Disposed |
|---|---|---|---|
| Municipal | 150 | 19,551,561 | 67.85 |
| Brush | 54 | 205,133 | 0.71 |
| Construction/Demolition | 150 | 4,972,998 | 17.26 |
| Litter | 14 | 4,685 | 0.02 |
| Class 1 NHIW[1] | 14 | 297,591 | 1.03 |
| Classes 2 and 3 NHIW[1] | 51 | 1,026,162 | 3.56 |
| Incinerator ash | 9 | 2,823 | 0.01 |
| Medical waste | 16 | 31,310 | 0.11 |
| CESQG[2] | 1 | 13,073 | 0.05 |
| RACM[3] | 35 | 33,981 | 0.12 |
| Non-RACM[3] | 46 | 88,043 | 0.31 |
| Dead animals | 83 | 15,732 | 0.05 |
| Sludge | 90 | 1,158,927 | 4.02 |
| Grease trap waste | 13 | 5,208 | 0.02 |
| Grit trap waste | 22 | 38,371 | 0.13 |
| Septage | 6 | 12,669 | 0.04 |
| Contaminated soil | 53 | 629,653 | 2.19 |
| Tires[4] | 30 | 35,802 | 0.12 |
| Pesticides | 1 | 71 | <0.01 |
| Used Oil Filter | 1 | 1 | <0.01 |
| Other | 40 | 693,272 | 2.41 |
| **Total** | | **28,817,066** | **100** |

1. NHIW (Non Hazardous Industrial Waste)
2. CESQG (Municipal Hazardous Waste from Conditionally Exempt Small Quantity Generator.)
3. RACM (Regulated Asbestos Containing Material.)
4. Tires – Only split, quartered, or shredded tires may be disposed in a landfill.

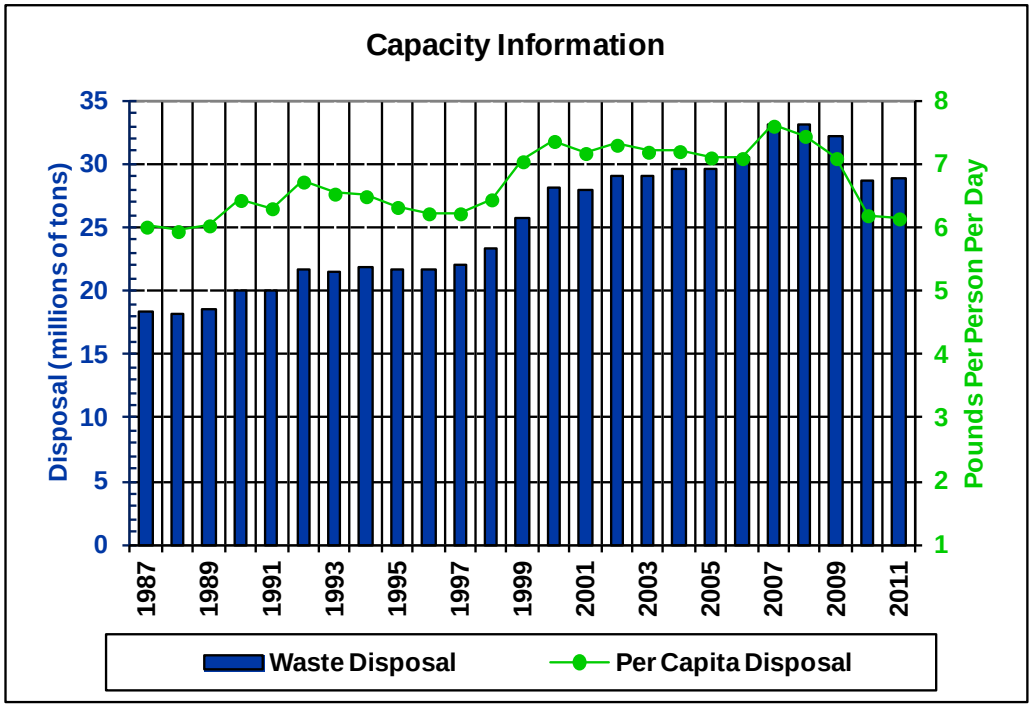
Note: Descriptions for several of the waste types listed in Table 3 are provided at the end of this report.

# Capacity Information

**Per capita rate.** For 2011, total disposal of MSW in the state was approximately 28.82 million tons. Using the state population estimate of 25,674,681, the per capita landfill disposal rate in Texas was 6.15 pounds per person per day, which is slightly less than the 2010 rate of 6.22 pounds. During this period, the population increased 1.83 percent. The continued decrease in the disposal rate over the last few years may be attributed to the public's efforts to minimize waste, which can be observed through ongoing public education and waste reduction/recycling campaigns.

See Figure 2 for a graphic representation of disposal amounts and per capita rates over time.

**Figure 2. Texas Total and Per Capita Landfill Disposal**




**Landfill capacity.** The total remaining landfill capacity in the state at the end of 2011 was 2.64 billion cubic yards. Based on reported compaction rates, this volume would hold 1.83 billion tons of waste and serve for 64 years.

Table 4 summarizes the remaining capacity for all landfill types. The analyses in this summary are based on the assumptions that no new landfill expansions or new permits will be issued and that the 2011 population and disposal amounts will remain constant.

**Table 4. Disposal Amounts and Remaining Capacity by Facility Type**

| Facility Type | Number of Landfills | Disposal (Tons) | Remaining Capacity (Tons) | Remaining Capacity (Years)* |
|---|---|---|---|---|
| I | 100 | 26,116,882 | 1,734,611,455 | 77 |
| IV | 20 | 2,372,705 | 77,814,233 | 33 |
| IAE | 35 | 187,455 | 10,003,433 | 50 |
| IVAE | 24 | 42,104 | 2,378,390 | 59 |
| IAE and IVAE | 14 | 97,920 | 6,075,271 | 51 |
| **All types** | **193** | **28,817,066** | **1,830,882,782** | **64** |

* Average, assuming the 2011 disposal rate of 28.8 million tons per year.

**Growth and attrition.** According to submitted data, statewide capacity increased in 2011. The resulting net capacity increased by approximately 108 million tons (roughly 153 million cubic yards) or 6.28 percent from the statewide 2010 capacity.

**Statewide distribution.** Texas appeared to have an adequate reserve of landfill capacity in 2011. This capacity was not evenly distributed over every region of the state. There are 24 Regional Planning Commissions, also known as Councils of Governments (COGs), responsible for MSW management planning on a regional basis.[iii] With the new landfill (Twin Oaks Landfill) in the Brazos Valley Council of Governments (BVCOG) region opening in 2011, there were no regions reporting less than 10 years of remaining capacity. However, the South Texas Development Council (STDC) region reported only 12 years of remaining capacity. The capacity in this region will increase as a result of a permitted landfill expansion for San Ygnacio Landfill in Zapata County and when the new permitted landfill (Ponderosa Regional Landfill) in Webb County opens.

See Table 5 for further capacity details for each COG and Figure 3 for a map of the COG regions.

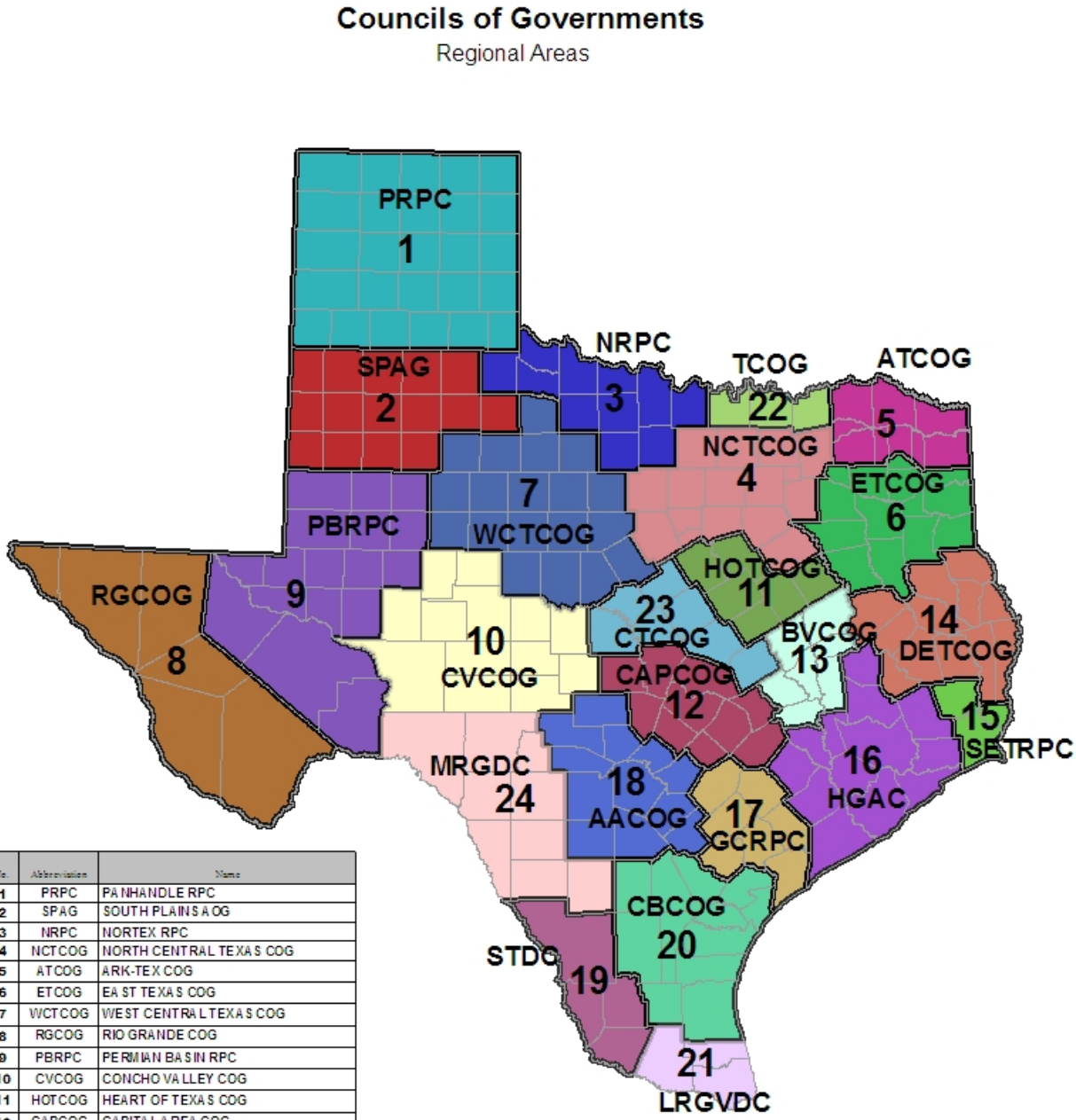
[iii] Texas Health and Safety Code, Section 363.0615.

**Table 5. Analysis of MSW Landfill Disposal by Texas COGs for 2011**

| COG | Active MSW Landfills | | 2011 Disposal | | | | Remaining Capacity | | |
|---|---|---|---|---|---|---|---|---|---|
| | Count | % of Total | Tons | % of Total | Population | Per Cap* | Tons | % of Total | Years ** |
| **1 PRPC** | 21 | 10.88 | 529,858 | 1.84 | 432,899 | 6.71 | 42,785,848 | 2.34 | 81 |
| **2 SPAG** | 18 | 9.33 | 414,087 | 1.44 | 417,326 | 5.44 | 72,536,747 | 3.96 | 175 |
| **3 NRPC** | 2 | 1.04 | 303,222 | 1.05 | 221,651 | 7.50 | 56,413,588 | 3.08 | 186 |
| **4 NCTCOG** | 21 | 10.88 | 7,990,374 | 27.73 | 6,695,892 | 6.54 | 374,675,011 | 20.47 | 47 |
| **5 ARK-TEX** | 5 | 2.59 | 354,119 | 1.23 | 282,404 | 6.87 | 69,495,029 | 3.80 | 196 |
| **6 ETCOG** | 4 | 2.07 | 602,570 | 2.09 | 837,588 | 3.94 | 134,750,410 | 7.36 | 224 |
| **7 WCTCOG** | 8 | 4.15 | 471,688 | 1.64 | 328,460 | 7.87 | 116,017,474 | 6.34 | 246 |
| **8 RGCOG** | 8 | 4.15 | 491,643 | 1.71 | 846,031 | 3.18 | 23,887,655 | 1.30 | 48 |
| **9 PBRPC** | 15 | 7.77 | 595,550 | 2.07 | 425,701 | 7.67 | 49,224,241 | 2.69 | 83 |
| **10 CVCOG** | 10 | 5.18 | 173,011 | 0.60 | 155,585 | 6.09 | 4,796,841 | 0.26 | 28 |
| **11 HOTCOG** | 4 | 2.07 | 641,636 | 2.23 | 353,524 | 9.95 | 47,431,049 | 2.59 | 74 |
| **12 CAPCOG** | 5 | 2.59 | 1,795,664 | 6.23 | 1,843,238 | 5.34 | 81,560,766 | 4.46 | 45 |
| **13 BVCOG** | 2 | 1.04 | 291,246 | 1.01 | 322,964 | 4.94 | 17,248,258 | 0.94 | 59 |
| **14 DETCOG** | 4 | 2.07 | 566,143 | 1.96 | 381,606 | 8.13 | 41,273,854 | 2.25 | 73 |
| **15 SETRPC** | 4 | 2.07 | 690,065 | 2.39 | 390,535 | 9.68 | 32,491,793 | 1.77 | 47 |
| **16 HGAC** | 26 | 13.47 | 7,590,992 | 26.34 | 6,226,763 | 6.68 | 327,552,782 | 17.89 | 43 |
| **17 GCRPC** | 1 | 0.52 | 180,369 | 0.63 | 189,768 | 5.21 | 4,048,060 | 0.22 | 22 |
| **18 AACOG** | 6 | 3.11 | 2,253,436 | 7.82 | 2,356,747 | 5.24 | 172,910,401 | 9.45 | 77 |
| **19 STDC** | 4 | 2.07 | 343,218 | 1.19 | 337,758 | 5.57 | 4,163,801 | 0.23 | 12 |
| **20 CBCOG** | 7 | 3.63 | 734,042 | 2.55 | 575,767 | 6.99 | 97,282,218 | 5.31 | 133 |
| **21 LRGVDC** | 5 | 2.59 | 1,113,090 | 3.86 | 1,234,028 | 4.94 | 27,341,817 | 1.49 | 25 |
| **22 TCOG** | 2 | 1.04 | 182,381 | 0.63 | 193,773 | 5.16 | 16,866,189 | 0.92 | 92 |
| **23 CTCOG** | 2 | 1.04 | 393,919 | 1.37 | 455,637 | 4.74 | 8,747,837 | 0.48 | 22 |
| **24 MRGDC** | 9 | 4.66 | 114,744 | 0.40 | 169,036 | 3.72 | 7,381,113 | 0.40 | 64 |
| **Totals** | **193** | **100** | **28,817,066** | **100** | **25,674,681** | **6.15** | **1,830,882,782** | **100** | **64** |

*Pounds per person per day
**Average, at 2011 disposal rate

**Figure 3. Texas Councils of Governments Map**




| No. | Abbreviation | Name |
|---|---|---|
| 1 | PRPC | PANHANDLE RPC |
| 2 | SPAG | SOUTH PLAINS AOG |
| 3 | NRPC | NORTEX RPC |
| 4 | NCTCOG | NORTH CENTRAL TEXAS COG |
| 5 | ATCOG | ARK-TEX COG |
| 6 | ETCOG | EAST TEXAS COG |
| 7 | WCTCOG | WEST CENTRAL TEXAS COG |
| 8 | RGCOG | RIO GRANDE COG |
| 9 | PBRPC | PERMIAN BASIN RPC |
| 10 | CVCOG | CONCHO VALLEY COG |
| 11 | HOTCOG | HEART OF TEXAS COG |
| 12 | CAPCOG | CAPITAL AREA COG |
| 13 | BVCOG | BRAZOS VALLEY COG |
| 14 | DETCOG | DEEP EAST TEXAS COG |
| 15 | SETRPC | SOUTH EAST TEXAS RPC |
| 16 | HGAC | HOUSTON-GALVESTON AC |
| 17 | GCRPC | GOLDEN CRESCENT RPC |
| 18 | AACOG | ALAMO AREA COG |
| 19 | STDC | SOUTH TEXAS DC |
| 20 | CBCOG | COASTAL BEND COG |
| 21 | LRGVDC | LOWER RIO GRANDE VALLEY DC |
| 22 | TCOG | TEXOMA COG |
| 23 | CTCOG | CENTRAL TEXAS COG |
| 24 | MRGDC | MIDDLE RIO GRANDE DC |

| Abbreviation | Name |
|---|---|
| RPC | REGIONAL PLANNING COMMISSION |
| AOG | ASSOCIATION OF GOVERNMENTS |
| COG | COUNCIL OF GOVERNMENTS |
| AC | AREA COUNCIL |
| DC | DEVELOPMENT COUNCIL |

# Effect of Recycling on MSW Disposal

**Recycling.** New programs are developed every year that increase the effect that reducing, reusing, and recycling have on preserving disposal capacity. Throughout the state, paper, glass, aluminum cans, plastic, scrap metal,wood, and numerous other items are recycled every day. The TCEQ promotes recycling and information regarding various recycling programs can be found on the agency's website at <www.tceq.texas.gov/p2/P2Recycle/recycling.html>.

Currently, the effect of recycling in Texas is difficult to measure. An accurate statewide recycling rate cannot be obtained because there is no requirement to report quantities of materials diverted before reaching the gate at landfills or processing facilities

**Composting.** For 2011, 8 landfills, 16 composting facilities, and 2 transfer stations reported a total of 356,433 tons of waste materials processed during composting operations.

**Diversion.** Landfills and processing facilities are required to report the amount of waste diverted from the authorized operations at the facility. For 2011, a total of 1,686,713 tons of materials were reported as diverted for recycling or reuse: 111 landfills diverted 1,173,973 tons and 74 processing facilities diverted 512,740 tons.

Table 6 provides a breakdown for the estimated amounts of various material streams that disposal and processing facilities accepted and diverted in 2011.

**Table 6. Breakdown of Diverted Materials for 2011**

| Material Type | Tons Diverted | Percent of Total Tons Diverted |
|---|---|---|
| Yard Waste or Brush | 572,373 | 33.93 |
| Metal | 29,551 | 1.75 |
| Glass | 22,881 | 1.36 |
| Plastics | 15,210 | 0.90 |
| Construction/Demolition Waste | 408,256 | 24.20 |
| Paper/Cardboard | 169,377 | 10.04 |
| Electronic Materials | 374 | 0.02 |
| White Goods | 1,003 | 0.06 |
| Tires | 9,171 | 0.54 |
| Automotive | 3 | <0.01 |
| Used Oil | 1,827 | 0.11 |
| Unclassified Materials | 456,687 | 27.08 |
| **Total** | **1,686,713** | **100** |

Note: Descriptions for several of the material types listed in Table 6 are provided at the end of this report.

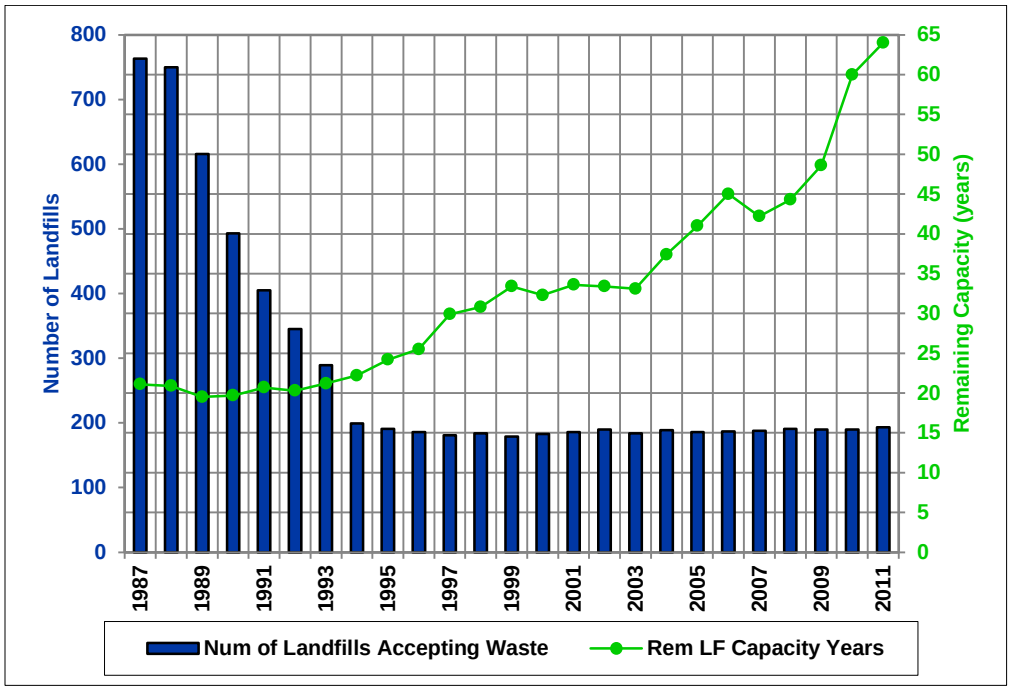
# Trend Analyses

**Landfill closures.** In 1987, there were 763 authorized landfills accepting waste. The reduction of active landfills between the late 1980's and mid 1990's was primarily due to the stringent requirements of the Federal Resource Conservation and Recovery Act (RCRA) Subtitle D. However, since the late 1990s this decreasing trend has leveled out, suggesting a continued move away from smaller community landfills and toward larger regional landfills.

**Capacity reserve.** From 1986 to the mid 1990s, the state's reserve capacity for disposal was less than 22 years. The current reserve capacity for disposal is approximately 64 years. The trend can be attributed primarily to increases in available volume of permitted disposal capacity and to improvements in compaction and diversion. In 1986, the average compaction rate was approximately 650 pounds of waste per cubic yard. The average in 2000 was approximately 1,000 pounds per cubic yard, and the 2011 average compaction rate was calculated as 1,115 pounds per cubic yard. While a small number of landfills did report improved compaction in 2011, the relative flattening of the trend may indicate that available and affordable landfill compaction technologies are nearing their peak efficiencies.

Figure 4 depicts the number of active landfills and the corresponding remaining capacity over time.

**Figure 4. Number of Active Landfills and Remaining Capacity**



**Landfill size.** In addition to improvements in the operation of landfills, the size and service areas of MSW landfills have continued to grow. In 1986, the statewide average landfill size was 50 acres with an average depth of 6.5 feet and an average height of 13 feet. According to data submitted and permit records, the statewide average landfill size was 220 acres in 2011. Three landfills added acreage through issued permit amendments during the year: Southeast Landfill (COG 4), Atascocita Landfill (COG 16), and Ralston Road Landfill (COG 16).

The 2011 average depth for MSW landfills was 35 feet and the average height was 78 feet. The number of landfills with a maximum permitted height over 100 feet was 53, and 15 landfills had a permitted height over 200 feet. In addition, two landfills had a permitted height over 300 feet.

**Counties served.** The 193 active landfills in the state reported the number of counties they served in 2011, as detailed below in Table 7. Service to more than one county was provided by 127 landfills (66 percent). Table 8 shows the number of active landfills in each Texas County.

**Table 7. Number of Texas Counties Served by MSW Landfills for 2011**

| Number of Landfills | Counties Served |
|---|---|
| 66 | 1 |
| 70 | 2 – 5 |
| 38 | 6 – 10 |
| 10 | 11 – 15 |
| 6 | 16 – 20 |
| 3 | >20 |

**Table 8. Number of Active Landfills by County for 2011**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Anderson | 0 | Crane | 1 | Hartley | 0 | Madison | 0 | San Patricio | 0 |
| Andrews | 1 | Crockett | 0 | Haskell | 1 | Marion | 0 | San Saba | 0 |
| Angelina | 1 | Crosby | 0 | Hays | 0 | Martin | 1 | Schleicher | 2 |
| Aransas | 0 | Culberson | 0 | Hemphill | 0 | Mason | 1 | Scurry | 1 |
| Archer | 0 | Dallam | 1 | Henderson | 0 | Matagorda | 0 | Shackelford | 0 |
| Armstrong | 1 | Dallas | 4 | Hidalgo | 4 | Maverick | 2 | Shelby | 0 |
| Atascosa | 0 | Dawson | 1 | Hill | 1 | McCulloch | 1 | Sherman | 0 |
| Austin | 0 | Deaf Smith | 1 | Hockley | 1 | McLennan | 2 | Smith | 1 |
| Bailey | 2 | Delta | 0 | Hood | 0 | McMullen | 1 | Somervell | 0 |
| Bandera | 0 | Denton | 4 | Hopkins | 0 | Medina | 0 | Starr | 2 |
| Bastrop | 0 | DeWitt | 0 | Houston | 0 | Menard | 1 | Stephens | 0 |
| Baylor | 0 | Dickens | 0 | Howard | 1 | Midland | 1 | Sterling | 0 |
| Bee | 0 | Dimmit | 1 | Hudspeth | 2 | Milam | 0 | Stonewall | 0 |
| Bell | 1 | Donley | 0 | Hunt | 1 | Mills | 0 | Sutton | 0 |
| Bexar | 2 | Duval | 1 | Hutchinson | 0 | Mitchell | 1 | Swisher | 1 |
| Blanco | 0 | Eastland | 0 | Irion | 1 | Montague | 0 | Tarrant | 3 |
| Borden | 0 | Ector | 1 | Jack | 0 | Montgomery | 1 | Taylor | 0 |
| Bosque | 0 | Edwards | 0 | Jackson | 0 | Moore | 2 | Terrell | 1 |
| Bowie | 2 | El Paso | 3 | Jasper | 0 | Morris | 0 | Terry | 2 |
| Brazoria | 2 | Ellis | 3 | Jeff Davis | 0 | Motley | 1 | Throckmorton | 0 |
| Brazos | 1 | Erath | 1 | Jefferson | 3 | Nacogdoches | 1 | Titus | 1 |
| Brewster | 2 | Falls | 0 | Jim Hogg | 0 | Navarro | 1 | Tom Green | 1 |
| Briscoe | 0 | Fannin | 0 | Jim Wells | 1 | Newton | 1 | Travis | 4 |
| Brooks | 1 | Fayette | 0 | Johnson | 2 | Nolan | 1 | Trinity | 0 |
| Brown | 1 | Fisher | 0 | Jones | 2 | Nueces | 2 | Tyler | 0 |
| Burleson | 0 | Floyd | 1 | Karnes | 0 | Ochiltree | 1 | Upshur | 0 |
| Burnet | 0 | Foard | 0 | Kaufman | 0 | Oldham | 1 | Upton | 2 |
| Caldwell | 0 | Fort Bend | 3 | Kendall | 0 | Orange | 0 | Uvalde | 2 |
| Calhoun | 0 | Franklin | 0 | Kenedy | 0 | Palo Pinto | 0 | Val Verde | 1 |
| Callahan | 0 | Freestone | 0 | Kent | 0 | Panola | 0 | Van Zandt | 0 |
| Cameron | 1 | Frio | 0 | Kerr | 1 | Parker | 1 | Victoria | 1 |
| Camp | 0 | Gaines | 1 | Kimble | 1 | Parmer | 0 | Walker | 0 |
| Carson | 1 | Galveston | 3 | King | 0 | Pecos | 1 | Waller | 0 |
| Cass | 0 | Garza | 1 | Kinney | 1 | Polk | 1 | Ward | 1 |
| Castro | 1 | Gillespie | 1 | Kleberg | 1 | Potter | 1 | Washington | 0 |
| Chambers | 2 | Glasscock | 1 | Knox | 0 | Presidio | 1 | Webb | 1 |
| Cherokee | 1 | Goliad | 0 | La Salle | 0 | Rains | 0 | Wharton | 0 |
| Childress | 1 | Gonzales | 0 | Lamar | 2 | Randall | 1 | Wheeler | 1 |
| Clay | 0 | Gray | 3 | Lamb | 4 | Reagan | 1 | Wichita | 2 |
| Cochran | 1 | Grayson | 2 | Lampasas | 0 | Real | 0 | Wilbarger | 0 |
| Coke | 1 | Gregg | 1 | Lavaca | 0 | Red River | 0 | Willacy | 0 |
| Coleman | 1 | Grimes | 1 | Lee | 0 | Reeves | 1 | Williamson | 1 |
| Collin | 1 | Guadalupe | 1 | Leon | 0 | Refugio | 0 | Wilson | 0 |
| Collingsworth | 1 | Hale | 1 | Liberty | 0 | Roberts | 0 | Winkler | 0 |
| Colorado | 1 | Hall | 1 | Limestone | 1 | Robertson | 0 | Wise | 0 |
| Comal | 1 | Hamilton | 0 | Lipscomb | 1 | Rockwall | 0 | Wood | 0 |
| Comanche | 0 | Hansford | 1 | Live Oak | 0 | Runnels | 0 | Yoakum | 1 |
| Concho | 0 | Hardeman | 0 | Llano | 0 | Rusk | 1 | Young | 0 |
| Cooke | 0 | Hardin | 1 | Loving | 0 | Sabine | 0 | Zapata | 1 |
| Coryell | 1 | Harris | 14 | Lubbock | 2 | San Augustine | 0 | Zavala | 2 |
| Cottle | 0 | Harrison | 0 | Lynn | 1 | San Jacinto | 0 | | |

# Historical Data for MSW Landfills in Texas

| Year | Waste Disposal (Tons) | State Population | Per Capita Disposal* | Number of Active Landfills | Number of Inactive Landfills** | Remaining Capacity (Cubic Yards) | Remaining Capacity (Tons) | Remaining Capacity (Years) |
|---|---|---|---|---|---|---|---|---|
| 1988 | 18,114,295 | 16,668,639 | 5.95 | 750 | 84 | 1,162,374,628 | 377,771,754 | 21 |
| 1989 | 18,531,001 | 16,806,521 | 6.04 | 616 | 83 | 1,111,902,033 | 361,368,161 | 20 |
| 1990 | 19,969,615 | 16,986,510 | 6.44 | 493 | 142 | 1,124,524,795 | 393,583,678 | 20 |
| 1991 | 19,973,622 | 17,349,000 | 6.31 | 405 | 135 | 1,183,699,041 | 414,294,664 | 21 |
| 1992 | 21,675,661 | 17,655,650 | 6.73 | 345 | 77 | 1,193,233,770 | 440,730,048 | 20 |
| 1993 | 21,517,063 | 18,031,484 | 6.54 | 289 | 62 | 1,205,635,627 | 456,161,796 | 21 |
| 1994 | 21,808,274 | 18,378,185 | 6.50 | 199 | 58 | 1,269,565,453 | 483,752,986 | 22 |
| 1995 | 21,639,678 | 18,723,991 | 6.33 | 191 | 39 | 1,071,520,039 | 523,633,365 | 24 |
| 1996 | 21,738,137 | 19,128,261 | 6.23 | 186 | 35 | 1,023,799,597 | 554,095,949 | 26 |
| 1997 | 22,094,777 | 19,439,337 | 6.23 | 181 | 37 | 1,169,628,669 | 659,694,441 | 30 |
| 1998 | 23,259,425 | 19,759,614 | 6.45 | 184 | 29 | 1,300,609,247 | 716,302,147 | 31 |
| 1999 | 25,791,066 | 20,044,141 | 7.05 | 179 | 34 | 1,557,349,331 | 862,778,821 | 33 |
| 2000 | 28,034,517 | 20,851,820 | 7.37 | 183 | 44 | 1,633,321,824 | 904,891,939 | 32 |
| 2001 | 27,938,751 | 21,235,018 | 7.18 | 186 | 42 | 1,710,713,869 | 939,383,633 | 34 |
| 2002 | 29,061,966 | 21,779,893 | 7.31 | 190 | 40 | 1,691,970,227 | 971,314,962 | 33 |
| 2003 | 29,073,315 | 22,118,509 | 7.20 | 184 | 39 | 1,506,807,849 | 963,972,887 | 33 |
| 2004 | 29,581,785 | 22,490,022 | 7.21 | 189 | 34 | 1,826,587,075 | 1,134,462,509 | 37 |
| 2005 | 29,671,151 | 22,859,968 | 7.11 | 186 | 32 | 1,870,868,394 | 1,217,845,562 | 41 |
| 2006 | 30,453,702 | 23,507,783 | 7.10 | 187 | 28 | 2,110,807,960 | 1,366,311,822 | 45 |
| 2007 | 33,183,488 | 23,904,380 | 7.61 | 188 | 28 | 2,158,501,232 | 1,403,592,411 | 42 |
| 2008 | 33,078,196 | 24,326,974 | 7.45 | 191 | 35 | 2,167,272,920 | 1,439,621,096 | 44 |
| 2009 | 32,264,262 | 24,782,302 | 7.13 | 190 | 20 | 2,351,154,567 | 1,567,806,257 | 49 |
| 2010 | 28,637,988 | 25,213,445 | 6.22 | 190 | 18 | 2,483,194,375 | 1,722,333,910 | 60 |
| 2011 | 28,817,066 | 25,674,681 | 6.15 | 193 | 32 | 2,636,321,089 | 1,830,882,782 | 64 |

*Using the Texas definition of MSW described on page 1 of this report
**Number of inactive facilities that submitted annual reports, excluding landfills reporting Post-Closure status.

# Facility Data for MSW Landfills

Active landfills, organized by COG Region and Landfill Type
All values rounded to the nearest whole number

Key:
2011 Tons – Total Tons Landfilled in Fiscal Year 2011
Rem Yds – Remaining Landfill Capacity in Cubic Yards
Rate – Reported Compaction Rate at the Landfill in Pounds per Cubic Yards
Rem Tons – Remaining Landfill Capacity in Equivalent Tons (based on reported landfill compaction rate)
Rem Yrs – Remaining Landfill Capacity in Years (based on operator estimate where appropriate or on permit volumes and compacted waste acceptance rates)

## PANHANDLE REGIONAL PLANNING COMMISSION

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 73 | City of Amarillo Landfill | Potter | 1 | 212,774 | 71,816,007 | 800 | 28,726,403 | 100 |
| 1 | 211 | City of Dumas Landfill | Moore | 1 | 12,118 | 46,758 | 800 | 18,703 | 1 |
| 1 | 215 | City of Hereford Landfill | Deaf Smith | 4AE | 3,535 | 325,065 | 850 | 138,153 | 35 |
| 1 | 414 | Armstrong County Landfill | Armstrong | 4AE | 2,148 | 257,789 | 500 | 64,447 | 30 |
| 1 | 445 | City of Dimmitt Landfill | Castro | 1AE | 5,646 | 1,230,708 | 750 | 461,516 | 81 |
| 1 | 570 | City of McLean Landfill | Gray | 1AE | 680 | 554,637 | 800 | 221,855 | 13 |
| 1 | 589 | City of Pampa Landfill | Gray | 4AE | 1,789 | 467,606 | 1000 | 233,803 | 130 |
| 1 | 791 | Cal Farley's Boys Ranch | Oldham | 4AE | 500 | 141,000 | 400 | 28,200 | 50 |
| 1 | 876 | City of Perryton Landfill | Ochiltree | 1AE | 5,975 | 1,403,428 | 890 | 624,526 | 95 |
| 1 | 955 | City of Wellington Landfill | Collingsworth | 1AE | 5,121 | 529,887 | 800 | 211,955 | 41 |
| 1 | 1009 | City of Tulia MSW Landfill | Swisher | 1AE&4AE | 4,937 | 812,854 | 850 | 345,463 | 69 |
| 1 | 1038 | City of Dalhart Municipal Landfill | Dallam | 1AE | 9,811 | 1,378,071 | 785 | 540,893 | 18 |
| 1 | 1164 | City of Panhandle MSW Landfill | Carson | 1AE | 2,601 | 745,376 | 750 | 279,516 | 108 |
| 1 | 1663 | Southwest Landfill | Randall | 1 | 187,077 | 4,042,103 | 1525 | 3,082,104 | 17 |
| 1 | 1943 | City of Booker Landfill | Lipscomb | 1AE | 1,612 | 461,432 | 850 | 196,108 | 10 |
| 1 | 2238 | City of Pampa Landfill | Gray | 1 | 50,831 | 8,991,200 | 1320 | 5,934,192 | 97 |
| 1 | 2263 | City of Childress Landfill | Childress | 1AE&4AE | 3,774 | 2,431,076 | 800 | 972,430 | 124 |
| 1 | 2266 | City of Memphis | Hall | 1AE | 6,927 | 1,023,644 | 800 | 409,457 | 59 |

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2281 | City of Shamrock | Wheeler | 1AE | 4,584 | 339,850 | 800 | 135,940 | 30 |
| 1 | 2285 | City of Dumas Landfill | Moore | 4AE | 4,613 | 287,076 | 800 | 114,830 | 6 |
| 1 | 2352 | City of Spearman MSW Landfill | Hansford | 1AE | 2,805 | 106,714 | 850 | 45,354 | 161 |

### SOUTH PLAINS ASSOCIATION OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 69 | Caliche Canyon Landfill | Lubbock | 1 | 24,737 | 839,305 | 718 | 301,311 | 10 |
| 2 | 363 | City of Amherst Landfill | Lamb | 4AE | 38 | 3,966 | 400 | 793 | 6 |
| 2 | 549 | City of Matador Landfill | Motley | 1AE | 3,921 | 512,833 | 800 | 205,133 | 73 |
| 2 | 564 | City of Muleshoe Landfill | Bailey | 4AE | 2,259 | 181,117 | 800 | 72,447 | 32 |
| 2 | 583 | City of Olton Landfill | Lamb | 1AE | 10,630 | 952,540 | 666 | 317,196 | 46 |
| 2 | 1298 | City of Littlefield Landfill | Lamb | 4AE | 5,352 | 328,041 | 1400 | 229,629 | 30 |
| 2 | 1733 | City of Sundown Landfill | Hockley | 4AE | 90 | 231,924 | 850 | 98,567 | 219 |
| 2 | 2157 | City of Plainview | Hale | 1 | 26,436 | 10,303,190 | 563 | 2,900,348 | 103 |
| 2 | 2170 | Brownfield MSW Landfill | Terry | 1 | 15,027 | 4,505,598 | 955 | 2,151,423 | 184 |
| 2 | 2207 | City of Floydada Landfill | Floyd | 1AE&4AE | 9,162 | 907,263 | 830 | 376,514 | 73 |
| 2 | 2217 | Yoakum County Landfill | Yoakum | 1AE&4AE | 8,782 | 2,022,480 | 800 | 808,992 | 99 |
| 2 | 2227 | City of Post Landfill | Garza | 1AE | 4,638 | 216,873 | 650 | 70,484 | 15 |
| 2 | 2252 | West Texas Regional Disposal Facility | Lubbock | 1 | 265,503 | 108,340,293 | 1162 | 62,945,710 | 228 |
| 2 | 2268 | City of Morton Landfill | Cochran | 4AE | 148 | 807,514 | 400 | 161,503 | 130 |
| 2 | 2274 | City of Littlefield Landfill | Lamb | 1AE | 6,965 | 1,327,644 | 1400 | 929,351 | 90 |
| 2 | 2291 | City of Muleshoe Landfill | Bailey | 1AE | 7,087 | 523,429 | 800 | 209,371 | 30 |
| 2 | 2293 | City of Meadow Landfill | Terry | 1AE | 12,114 | 841,185 | 800 | 336,474 | 28 |
| 2 | 2328 | Tahoka MSW Landfill | Lynn | 1AE | 11,198 | 991,766 | 850 | 421,501 | 58 |

### NORTEX REGIONAL PLANNING COMMISSION

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 1428 | City of Wichita Falls Landfill | Wichita | 1 | 141,251 | 72,486,700 | 1040 | 37,693,084 | 221 |
| 3 | 1571 | IESI Buffalo Creek Landfill | Wichita | 1 | 161,971 | 30,194,361 | 1240 | 18,720,504 | 116 |

## NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 42 | Skyline Landfill | Ellis | 1 | 1,013,036 | 33,973,000 | 1520 | 25,819,480 | 25 |
| 4 | 47 | IESI Weatherford Landfill | Parker | 1 | 174,381 | 2,974,044 | 1400 | 2,081,831 | 12 |
| 4 | 62 | McCommas Bluff Landfill | Dallas | 1 | 1,355,411 | 98,151,274 | 1410 | 69,196,648 | 50 |
| 4 | 218 | Southeast Landfill | Tarrant | 1 | 437,007 | 28,094,939 | 1685 | 23,669,986 | 54 |
| 4 | 358 | Arlington Landfill | Tarrant | 1 | 776,510 | 12,808,777 | 1911 | 12,238,786 | 16 |
| 4 | 534 | City of Cleburne Landfill | Johnson | 1 | 944 | 26,975 | 1000 | 13,488 | 15 |
| 4 | 664 | Stephenville Municipal Landfill | Erath | 4 | 3,023 | 974,690 | 850 | 414,243 | 83 |
| 4 | 996 | City of Grand Prairie Landfill | Dallas | 1 | 162,358 | 13,226,300 | 1356 | 8,967,431 | 51 |
| 4 | 1025 | DFW Landfill | Denton | 1 | 1,132,100 | 16,022,000 | 1620 | 12,977,820 | 11 |
| 4 | 1195 | Republic Maloy Landfill | Hunt | 1 | 105,289 | 6,498,942 | 1623 | 5,273,891 | 50 |
| 4 | 1209 | CSC Disposal and Landfill | Ellis | 1 | 52,432 | 31,148,378 | 1270 | 19,779,220 | 378 |
| 4 | 1312 | Camelot Landfill | Denton | 1 | 388,366 | 7,596,109 | 2262 | 8,591,199 | 22 |
| 4 | 1394 | Hunter Ferrell Landfill | Dallas | 1 | 164,052 | 16,804,346 | 1548 | 13,006,564 | 74 |
| 4 | 1417 | Turkey Creek Landfill | Johnson | 1 | 348,734 | 11,400,314 | 1450 | 8,265,228 | 24 |
| 4 | 1590 | City of Denton Landfill | Denton | 1 | 147,838 | 11,895,150 | 1014 | 6,030,841 | 41 |
| 4 | 1745 | ECD Landfill | Ellis | 1 | 67,992 | 40,046,466 | 1575 | 31,536,592 | 464 |
| 4 | 1749 | Lewisville Landfill | Denton | 4 | 130,393 | 22,460,039 | 1891 | 21,235,967 | 163 |
| 4 | 1895 | City of Garland Charles M Hinton Jr Landfill | Dallas | 1 | 328,531 | 36,540,800 | 1015 | 18,544,456 | 57 |
| 4 | 1983 | IESI Fort Worth C&D Landfill | Tarrant | 4 | 342,287 | 5,460,864 | 1560 | 4,259,474 | 12 |
| 4 | 2190 | Corsicana Regional Landfill | Navarro | 1 | 100,593 | 24,363,415 | 1000 | 12,181,708 | 121 |
| 4 | 2294 | 121 Regional Disposal Facility | Collin | 1 | 759,098 | 125,493,614 | 1125 | 70,590,158 | 93 |

## ARK-TEX COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 5 | 576 | New Boston Landfill | Bowie | 1 | 136,812 | 1,724,000 | 1100 | 948,200 | 7 |
| 5 | 797 | Pleasant Oaks Landfill | Titus | 1 | 63,864 | 20,202,839 | 1728 | 17,455,253 | 274 |
| 5 | 1454 | Paris Landfill | Lamar | 1 | 64,253 | 16,990,000 | 1350 | 11,468,250 | 114 |
| 5 | 1898 | Lone Star AAP Area A Landfill | Bowie | 1 | 22 | 2,035,159 | 850 | 864,943 | 137* |
| 5 | 2358 | Blossom Prairie Landfill | Lamar | 1 | 89,169 | 77,516,765 | 1000 | 38,758,383 | 435 |

### EAST TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 1249 | IESI East Texas Regional Landfill | Rusk | 1 | 129,398 | 10,514,989 | 1400 | 7,360,492 | 57 |
| 6 | 1327 | Pinehill Landfill | Gregg | 1 | 191,241 | 16,614,303 | 1734 | 14,404,601 | 75 |
| 6 | 1614 | Royal Oaks Landfill | Cherokee | 1 | 65,839 | 2,768,673 | 1868 | 2,585,941 | 39 |
| 6 | 1972 | Greenwood Farms Landfill | Smith | 1 | 216,092 | 106,717,618 | 2069 | 110,399,376 | 511 |

### WEST CENTRAL TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 7 | 50 | Sweetwater Landfill | Nolan | 4AE | 2,631 | 255,749 | 400 | 51,150 | 11 |
| 7 | 420 | Colorado City MSW Facility | Mitchell | 1AE&4AE | 3,634 | 276,041 | 700 | 96,614 | 19 |
| 7 | 1302 | Coleman Landfill | Coleman | 4AE | 87 | 13,565 | 500 | 3,391 | 29 |
| 7 | 1463 | City of Snyder Landfill | Scurry | 1 | 38,222 | 10,897,802 | 1000 | 5,448,901 | 142 |
| 7 | 1469 | Abilene Regional Landfill | Jones | 1 | 211,205 | 90,206,722 | 1866 | 84,162,872 | 399 |
| 7 | 1562 | Brownwood Regional MSW Disposal Facility | Brown | 1 | 61,988 | 18,478,381 | 1100 | 10,163,769 | 116 |
| 7 | 1604 | Haskell Municipal Landfill | Haskell | 1AE | 8,917 | 871,999 | 700 | 305,200 | 10 |
| 7 | 2325 | Abilene Environmental Landfill | Jones | 1 | 145,005 | 19,731,971 | 1600 | 15,785,577 | 60 |

### RIO GRANDE COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 495 | Hudspeth County Dell City Landfill | Hudspeth | 1AE&4AE | 760 | 209,438 | 850 | 89,011 | 26 |
| 8 | 729 | McCombs Landfill | El Paso | 1 | 2 | 16,384,471 | 1170 | 9,584,916 | 11 |
| 8 | 957 | Hudspeth County Sierra Blanca Landfill | Hudspeth | 1AE&4AE | 4,620 | 1,325,665 | 850 | 563,408 | 70 |
| 8 | 1276 | Big Bend National Park Landfill | Brewster | 1AE | 512 | 103,732 | 750 | 38,899 | 16 |
| 8 | 1422 | Fort Bliss MSW Landfill | El Paso | 1 | 10,734 | 77,678 | 735 | 28,551 | 3 |
| 8 | 1737 | City of Presidio | Presidio | 1AE | 5,521 | 767,986 | 650 | 249,595 | 45 |
| 8 | 2197 | City of Alpine Landfill | Brewster | 1AE | 12,994 | 3,493,092 | 329 | 574,771 | 44 |
| 8 | 2284 | Clint Municipal Landfill | El Paso | 1 | 456,500 | 21,809,409 | 1170 | 12,758,504 | 20 |

### PERMIAN BASIN REGIONAL PLANNING COMMISSION

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 9 | 39 | City of Seminole Landfill | Gaines | 1AE&4AE | 10,583 | 1,800,583 | 600 | 540,175 | 49 |
| 9 | 171 | City of Andrews Landfill | Andrews | 1AE&4AE | 13,074 | 1,081,425 | 850 | 459,606 | 39 |
| 9 | 288 | City of Big Spring | Howard | 1 | 36,421 | 751,467 | 1152 | 432,845 | 11 |
| 9 | 427 | City of Crane | Crane | 1AE&4AE | 4,375 | 4,536 | 700 | 1,588 | 0 |
| 9 | 517 | Lamesa Landfill | Dawson | 1 | 13,645 | 1,578,766 | 1007 | 794,909 | 58 |
| 9 | 566 | City of McCamey Landfill | Upton | 4AE | 2,387 | 1,250,397 | 750 | 468,899 | 10 |
| 9 | 673 | Terrell County Landfill | Terrell | 4AE | 264 | 29,893 | 300 | 4,484 | 106 |
| 9 | 691 | Upton County Landfill | Upton | 4AE | 43 | 95,220 | 400 | 19,044 | 448 |
| 9 | 772 | Monahans Landfill | Ward | 1AE | 11,630 | 1,115,180 | 650 | 362,433 | 31 |
| 9 | 976 | City of Fort Stockton Landfill | Pecos | 1AE&4AE | 10,231 | 355,447 | 800 | 142,179 | 12 |
| 9 | 1605 | City of Midland Landfill | Midland | 1 | 195,089 | 34,528,694 | 1075 | 18,559,173 | 95 |
| 9 | 2120 | City of Pecos Landfill | Reeves | 1AE&4AE | 12,610 | 911,536 | 850 | 387,403 | 27 |
| 9 | 2154 | Glasscock County Landfill | Glasscock | 1AE | 392 | 76,869 | 250 | 9,609 | 21 |
| 9 | 2158 | Charter Waste Landfill | Ector | 1 | 280,776 | 34,186,935 | 1565 | 26,751,277 | 95 |
| 9 | 2189 | City of Stanton Landfill | Martin | 1AE | 4,031 | 581,234 | 1000 | 290,617 | 36 |

### CONCHO VALLEY COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 10 | 26 | City of Junction | Kimble | 4AE | 1,425 | 240,458 | 1000 | 120,229 | 4 |
| 10 | 79 | San Angelo Landfill | Tom Green | 1 | 146,612 | 5,815,122 | 826 | 2,401,645 | 17 |
| 10 | 86 | Big Lake Landfill | Reagan | 1AE | 3,215 | 86,798 | 500 | 21,699 | 89 |
| 10 | 195 | Mason Landfill | Mason | 1AE | 2,348 | 92,825 | 1000 | 46,413 | 12 |
| 10 | 349 | City of Eldorado Landfill | Schleicher | 4AE | 44 | 811 | 1500 | 609 | 14 |
| 10 | 614 | Robert Lee Landfill | Coke | 4AE | 34 | 24,461 | 850 | 10,396 | 1 |
| 10 | 1270 | Barnhart Landfill | Irion | 1AE | 1,516 | 66,831 | 530 | 17,710 | 5 |
| 10 | 1404 | City of Menard Landfill | Menard | 4AE | 33 | 12,427 | 850 | 5,281 | 50 |
| 10 | 1732 | City of Brady Landfill | McCulloch | 1AE&4AE | 8,711 | 2,509,207 | 900 | 1,129,143 | 80 |
| 10 | 2264 | City of Eldorado Landfill | Schleicher | 1AE | 9,073 | 1,391,621 | 1500 | 1,043,716 | 115 |

### HEART OF TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 11 | 241 | Itasca Landfill | Hill | 1 | 234,478 | 32,833,777 | 2174 | 35,690,316 | 152 |
| 11 | 948 | City of Waco Landfill | McLennan | 1 | 240,284 | 7,076,266 | 1091 | 3,860,103 | 16 |
| 11 | 1558 | Mexia Landfill | Limestone | 1 | 38,180 | 7,972,942 | 1614 | 6,434,164 | 169 |
| 11 | 1646 | Lacy Lakeview Recycling & Disp Fac | McLennan | 1 | 128,693 | 1,653,104 | 1750 | 1,446,466 | 9 |

### CAPTIAL AREA COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 12 | 249 | Austin Community Recycling & Disp Fac | Travis | 1 | 255,470 | 14,561,921 | 1164 | 8,475,038 | 20 |
| 12 | 1405 | Williamson County Recycling & Disp Fac | Williamson | 1 | 249,750 | 62,063,581 | 1500 | 46,547,686 | 123 |
| 12 | 1447 | BFI Sunset Farms Landfill | Travis | 1 | 612,917 | 9,428,401 | 1400 | 6,599,881 | 4 |
| 12 | 1841 | IESI Travis County C&D Landfill | Travis | 4 | 102,234 | 2,778,908 | 1200 | 1,667,345 | 16 |
| 12 | 2123 | Texas Disposal Systems Landfill | Travis | 1 | 575,293 | 26,868,849 | 1360 | 18,270,817 | 32 |

### BRAZOS VALLEY COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 13 | 1444 | Rock Prairie Road Landfill | Brazos | 1 | 246,117 | 29,830 | 1592 | 23,745 | 0 |
| 13 | 2292 | Twin Oaks Landfill | Grimes | 1 | 45,130 | 36,962,476 | 932 | 17,224,514 | 60 |

### DEEP EAST TEXAS REGIONAL PLANNING COMMISSION

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 14 | 720 | City of Nacogdoches Landfill | Nacogdoches | 1 | 74,639 | 3,519,298 | 900 | 1,583,684 | 30 |
| 14 | 1384 | Polk County Landfill | Polk | 1 | 114,718 | 8,796,727 | 1408 | 6,192,896 | 54 |
| 14 | 2105 | Angelina County Waste Mgmnt Center | Angelina | 1 | 112,900 | 4,380,000 | 1200 | 2,628,000 | 20 |
| 14 | 2242 | Newton County Landfill | Newton | 1 | 263,886 | 43,755,172 | 1411 | 30,869,274 | 80 |

### SOUTHEAST TEXAS REGIONAL PLANNING COMMISSION

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 15 | 1486 | City of Beaumont MSW Landfill | Jefferson | 1 | 237,965 | 20,059,014 | 1191 | 11,945,143 | 50 |
| 15 | 1815 | City of Port Arthur Landfill | Jefferson | 1 | 161,140 | 17,235,876 | 1000 | 8,617,938 | 47 |

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 15 | 2027 | BFI Golden Triangle Landfill | Jefferson | 1 | 246,419 | 9,508,962 | 2330 | 11,077,940 | 45 |
| 15 | 2214 | IESI Hardin County Landfill | Hardin | 1 | 44,542 | 1,417,953 | 1200 | 850,772 | 19 |

### HOUSTON-GALVESTON AREA COUNCIL

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 16 | 203 | Altair Landfill | Colorado | 1 | 31,141 | 927,266 | 1200 | 556,360 | 17 |
| 16 | 261 | McCarty Road Landfill | Harris | 1 | 1,769,957 | 31,087,379 | 2250 | 34,973,301 | 20 |
| 16 | 1149 | Galveston County Landfill | Galveston | 1 | 295,373 | 6,238,160 | 1700 | 5,302,436 | 19 |
| 16 | 1193 | Whispering Pines Landfill | Harris | 1 | 36 | 10,920,409 | 2000 | 10,902,409 | 10 |
| 16 | 1301 | Addicks - Fairbanks Landfill | Harris | 4 | 54,703 | 932,077 | 1400 | 652,454 | 11 |
| 16 | 1307 | Atascocita Landfill | Harris | 1 | 934,020 | 46,677,264 | 1800 | 42,009,538 | 38 |
| 16 | 1403 | Casco Landfill | Harris | 4 | 23,544 | 2,032,687 | 900 | 914,709 | 39 |
| 16 | 1502 | Chambers County Landfill | Chambers | 1 | 31,586 | 332,858 | 850 | 141,465 | 5 |
| 16 | 1505 | Blue Ridge Landfill | Fort Bend | 1 | 575,100 | 150,364,182 | 1400 | 105,254,927 | 180 |
| 16 | 1535 | Baytown Landfill | Chambers | 1 | 284,680 | 11,246,521 | 1650 | 9,278,380 | 33 |
| 16 | 1539 | Seabreeze Environmental Landfill | Brazoria | 1 | 677,380 | 27,184,901 | 1712 | 23,270,275 | 35 |
| 16 | 1540 | Greenshadow Landfill | Harris | 4 | 105,842 | 3,207,107 | 1600 | 2,565,686 | 23 |
| 16 | 1565 | Fairbanks Landfill | Harris | 4 | 49 | 68,250 | 1400 | 47,775 | 5 |
| 16 | 1586 | Greenbelt Landfill | Harris | 4 | 117,069 | 4,063,080 | 900 | 1,828,386 | 16 |
| 16 | 1599 | Greenhouse Road Landfill | Harris | 4 | 119,268 | 6,754,767 | 2000 | 6,754,767 | 57 |
| 16 | 1708 | Dixie Farm Road Landfill | Brazoria | 4 | 34,170 | 2,436,328 | 880 | 1,071,984 | 31 |
| 16 | 1721 | Coastal Plains Landfill | Galveston | 1 | 550,406 | 14,931,076 | 1760 | 13,139,347 | 23 |
| 16 | 1752 | Security Landfill | Montgomery | 1 | 375,751 | 15,643,137 | 1600 | 12,514,510 | 33 |
| 16 | 1797 | Sprint Fort Bend County Landfill | Fort Bend | 4 | 250,116 | 17,663,820 | 1140 | 10,068,377 | 39 |
| 16 | 1849 | North County Landfill | Galveston | 4 | 392 | 3,689,566 | 2613 | 4,820,418 | 50 |
| 16 | 1921 | Cougar Landfill | Harris | 4 | 105,827 | 423,647 | 1400 | 296,553 | 2 |
| 16 | 2185 | Hawthorn Park Landfill | Harris | 4 | 285,395 | 1,945,405 | 1600 | 1,556,324 | 5 |
| 16 | 2240 | Ralston Road Landfill | Harris | 4 | 61,157 | 1,269,278 | 1000 | 634,639 | 11 |
| 16 | 2270 | Fort Bend Regional Landfill | Fort Bend | 1 | 549,900 | 42,628,352 | 1400 | 29,839,846 | 54 |
| 16 | 2304 | Tall Pines Landfill | Harris | 4 | 211,800 | 4,307,487 | 1000 | 2,153,744 | 10 |
| 16 | 2344 | Lone Star Recycling and Disposal Facility | Harris | 4 | 146,330 | 14,008,348 | 1000 | 7,004,174 | 35 |

### GOLDEN CRESCENT REGIONAL PLANNING COMMISSION

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 17 | 1522 | City of Victoria Landfill | Victoria | 1 | 180,369 | 7,040,105 | 1150 | 4,048,060 | 23 |

### ALAMO AREA COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 18 | 66 | Mesquite Creek Landfill | Comal | 1 | 321,797 | 13,757,425 | 1750 | 12,037,747 | 28 |
| 18 | 1410 | Tessman Road Landfill | Bexar | 1 | 845,866 | 77,904,872 | 1360 | 52,975,313 | 63 |
| 18 | 1506 | City of Kerrville Landfill | Kerr | 1 | 301 | 745,521 | 1000 | 372,760 | 50 |
| 18 | 1848 | Beck Landfill | Guadalupe | 4 | 182,267 | 7,187,221 | 1300 | 4,671,694 | 17 |
| 18 | 1995 | City of Fredericksburg Landfill | Gillespie | 1 | 24,525 | 1,967,349 | 1180 | 1,160,736 | 45 |
| 18 | 2093 | Covel Gardens Landfill | Bexar | 1 | 878,679 | 112,991,279 | 1800 | 101,692,151 | 90 |

### SOUTH TEXAS DEVELOPMENT COUNCIL

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 19 | 783 | San Ygnacio Landfill | Zapata | 1AE&4AE | 2,668 | 325,492 | 1000 | 162,746 | 30 |
| 19 | 954 | City of Roma Landfill | Starr | 1AE | 5,507 | 89,202 | 850 | 37,911 | 6 |
| 19 | 1033 | City of La Grulla Landfill | Starr | 4AE | 19 | 62,273 | 850 | 26,466 | 0 |
| 19 | 1693 | City of Laredo Sanitary Landfill | Webb | 1 | 335,024 | 6,075,120 | 1296 | 3,936,678 | 12 |

### COASTAL BEND COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 20 | 235 | City of Kingsville Landfill | Kleberg | 1 | 22,261 | 3,496,361 | 817 | 1,428,263 | 49 |
| 20 | 262 | City of Alice Landfill | Jim Wells | 1 | 37,018 | 1,154,221 | 1200 | 692,533 | 8 |
| 20 | 379 | Brooks County Landfill | Brooks | 4AE | 184 | 301,253 | 400 | 60,251 | 29 |
| 20 | 571 | McMullen County Landfill | McMullen | 1AE | 500 | 15,333 | 750 | 5,750 | 11 |
| 20 | 1481 | Duval County Landfill | Duval | 4AE | 6,568 | 67,222 | 800 | 26,889 | 4 |
| 20 | 2267 | El Centro Landfill | Nueces | 1 | 198,955 | 15,598,823 | 1465 | 11,426,138 | 57 |
| 20 | 2269 | Cefe Valenzuela Landfill | Nueces | 1 | 468,556 | 127,600,907 | 1311 | 83,642,395 | 179 |

### LOWER RIO GRANDE VALLEY DEVELOPMENT COUNCIL

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 21 | 956 | Edinburg Regional Sanitary Landfill | Hidalgo | 1 | 369,871 | 8,909,426 | 1054 | 4,695,268 | 11 |
| 21 | 1273 | Brownsville MSW Landfill | Cameron | 1 | 272,339 | 29,440,306 | 1131 | 16,648,493 | 37 |
| 21 | 1727 | Precinct 3 - Penitas Landfill | Hidalgo | 1AE | 4,564 | 0 | 1200 | 0 | 0 |
| 21 | 1948 | BFI-Rio Grande Valley Landfill | Hidalgo | 1 | 369,476 | 1,070,046 | 1500 | 802,535 | 2 |
| 21 | 2302 | Edinburg Regional Type IV Landfill | Hidalgo | 4 | 96,840 | 11,161,163 | 931 | 5,195,521 | 36 |

### TEXOMA COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 22 | 523 | Hillside Landfill | Grayson | 1 | 53,982 | 11,976,000 | 1000 | 5,988,000 | 102 |
| 22 | 2290 | TASWA Disposal and Recycling Facility | Grayson | 1 | 128,399 | 24,173,754 | 900 | 10,878,189 | 76 |

### CENTRAL TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 23 | 692 | Temple Recycling & Disposal Facility | Bell | 1 | 372,599 | 10,111,966 | 1400 | 7,078,376 | 16 |
| 23 | 1866 | Fort Hood Landfill | Coryell | 1 | 21,320 | 3,035,383 | 1100 | 1,669,461 | 43 |

### MIDDLE RIO GRANDE VALLEY DEVELOPMENT COUNCIL

| COG | Permit | Site Name | County | Type | 2011 Tons | RemYds | Rate | RemTons | RemYrs |
|---|---|---|---|---|---|---|---|---|---|
| 24 | 207 | City of Del Rio Municipal Landfill | Val Verde | 1 | 39,049 | 1,920,000 | 690 | 662,400 | 15 |
| 24 | 630 | City of Sabinal Landfill | Uvalde | 4AE | 6 | 3,662 | 400 | 732 | 10 |
| 24 | 1308 | Crystal City MSW Facility | Zavala | 1AE | 4,258 | 1,477,640 | 850 | 627,997 | 147 |
| 24 | 1725 | City of Uvalde Landfill | Uvalde | 1 | 22,954 | 782,052 | 1000 | 391,026 | 17 |
| 24 | 1918 | City of Eagle Pass Type IV Landfill | Maverick | 4AE | 7,908 | 1,168,525 | 750 | 438,197 | 27 |
| 24 | 2225 | City of Carrizo Springs Landfill | Dimmit | 1AE | 4,619 | 1,699,760 | 600 | 509,928 | 70 |
| 24 | 2303 | Zavala County MSWF Landfill | Zavala | 1AE | 4,128 | 203,546 | 550 | 55,975 | 30 |
| 24 | 2316 | Maverick County El Indio MSW Landfill | Maverick | 1 | 30,406 | 12,002,497 | 751 | 4,506,277 | 116 |
| 24 | 2354 | Fort Clark Springs Landfill | Kinney | 1AE | 1,416 | 471,450 | 800 | 188,580 | 97 |

# Facility Data for MSW Processing Facilities

Active facilities, organized by COG Region and Type

Key:
Type 5AC - Medical waste autoclave facility
Type 5GG - Liquid waste (i.e., grease trap waste, grit trap waste, sludge, septage) processing facility
Type 5MW -Medical waste processor
Type 5RC - Mixed waste composting facility
Type 5RR - Materials recovery facility (MRF)
Type 5TL – Liquid Transfer Station
Type 5TS - Transfer station
Type 5WI - Incinerator (no electrical power generation)

2011 Tons - Total tons handled in fiscal year 2011 in terms of major permitted activity (e.g., for a transfer station, total tons transferred; for an incinerator, total tons incinerated). For a liquid waste processing facility, waste is reported in gallons but converted here to approximate tons equivalent.

### PANHANDLE REGIONAL PLANNING COMMISSION

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 1 | 76 | City of Amarillo Transfer Station | Potter | 5TS | 153,471 |
| 1 | 40015 | City of Borger Transfer Station | Hutchinson | 5TS | 18,789 |
| 1 | 40026 | City of Canadian Transfer Station | Hemphill | 5TS | 5,862 |
| 1 | 40031 | City of Cactus Transfer Station | Moore | 5TS | 2,145 |
| 1 | 40109 | Stratford Transfer Station | Sherman | 5TS | 85 |
| 1 | 40192 | City of Clarendon | Donley | 5TS | 4,880 |
| 1 | 43030 | City of Pampa Liquid Waste Processing Facility | Gray | 5GG | 1,808 |

### SOUTH PLAINS ASSOCIATION OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 2 | 2231 | South Plains Disposal | Lubbock | 5GG | 7,659 |
| 2 | 40051 | City of Levelland Transfer Station | Hockley | 5TS | 9,740 |
| 2 | 40084 | Stericycle Lubbock Facility | Lubbock | 5MW | 2,189 |
| 2 | 40176 | Caliche Canyon Transfer Station | Lubbock | 5TS | 185 |

## NORTEX REGIONAL PLANNING COMMISSION

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 3 | 2229 | IMC Waste Disposal | Wichita | 5GG | 15,782 |
| 3 | 2295 | IESI Bowie Transfer Station | Montague | 5TS | 40,715 |
| 3 | 40059 | City of Vernon Transfer Station | Wilbarger | 5TS | 15,407 |
| 3 | 40144 | City of Seymour Transfer Station | Baylor | 5TS | 351 |

## NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 4 | 12 | City of Garland Transfer Station | Dallas | 5TS | 76,637 |
| 4 | 53 | Lookout Drive Transfer Station | Collin | 5TS | 127,079 |
| 4 | 60 | Fair Oaks Transfer Station | Dallas | 5TS | 50,308 |
| 4 | 227 | City of University Park Transfer Station | Dallas | 5TS | 12,302 |
| 4 | 1145 | Harry Hines Transfer Station | Dallas | 5TS | 160,805 |
| 4 | 1225 | Cold Springs Processing & Disposal | Tarrant | 5GG | 79,417 |
| 4 | 1263 | City of Mesquite Transfer Station | Dallas | 5TS | 44,745 |
| 4 | 1421 | PSC Recovery Systems LLC | Dallas | 5GG | 52,879 |
| 4 | 1453 | City of Dallas Transfer Station | Dallas | 5TS | 49,626 |
| 4 | 1494 | Parkway Transfer Station | Collin | 5TS | 126,000 |
| 4 | 2045 | Custer Road Transfer Station | Collin | 5TS | 220,532 |
| 4 | 2069 | Liquid Environmental Solutions of TX Dallas Facility | Dallas | 5GG | 100,941 |
| 4 | 2245 | Stericycle Garland Facility | Dallas | 5AC | 9,270 |
| 4 | 2256 | Southwaste Disposal Dallas Facility | Tarrant | 5GG | 82,865 |
| 4 | 2306 | IESI Minnis Drive Transfer Station | Tarrant | 5TS | 5,092 |
| 4 | 40052 | Southwest Paper Stock Inc. | Tarrant | 5TS | 21,639 |
| 4 | 40080 | Harrington Environmental Liquid Transfer Station | Johnson | 5TL | 2,613 |
| 4 | 40104 | City of Mingus Transfer Station | Palo Pinto | 5TS | 173 |
| 4 | 40168 | Cleburne Transfer Station | Johnson | 5TS | 49,577 |
| 4 | 40181 | Somervell County Transfer Station | Somervell | 5TS | 2,422 |
| 4 | 40186 | Westside Transfer Station | Tarrant | 5TS | 137,836 |
| 4 | 40196 | Community Waste Disposal Transfer Station | Dallas | 5TS | 43,875 |
| 4 | 40212 | Tom Dye Contractor | Palo Pinto | 5TL | 882 |
| 4 | 40229 | Huckabay Ridge Liquid Waste Facility | Erath | 5TS | 45,977 |

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 4 | 40241 | Oncore Technology | Tarrant | 5MW | 141 |
| 4 | 40253 | Stericycle Garland Facility | Dallas | 5AC | 2,923 |

## ARK-TEX COUNCIL OF GOVERNMENTS (COG 5) – NO DATA AVAILABLE

## EAST TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 6 | 356 | Vital Earth Resources | Upshur | 5RC | 2,422 |
| 6 | 1741 | Sharps Enviromental Services, Inc. | Panola | 5WI | 735 |
| 6 | 2365 | Edwards Construction | Gregg | 5GG | 0 |
| 6 | 40005 | Beto Transfer Station Facility | Anderson | 5TS | 1,186 |
| 6 | 40006 | Coffield Transfer Station Facility | Anderson | 5TS | 1,428 |
| 6 | 40040 | IESI Palestine Transfer Station | Anderson | 5TS | 27,720 |
| 6 | 40172 | City of Carthage Transfer Station | Panola | 5TS | 12,176 |
| 6 | 40174 | Pittsburgh Transfer Station | Camp | 5TS | 18,363 |

## WEST CENTRAL TEXAS COUNCIL OF GOVERNMENTS (COG 7) – NO DATA AVAILABLE

## RIO GRANDE COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 8 | 2355 | Liquid Environmental Solutions of TX El Paso Facility | El Paso | 5GG | 12,291 |
| 8 | 40094 | Stericycle El Paso Facility | El Paso | 5TS | 1,901 |
| 8 | 40237 | El Paso C&D Recycling Plant | El Paso | 5RR | 5,504 |
| 8 | 42038 | Fort Bliss Bio Cell Facility | El Paso | 5RC | 49 |

## PERMIAN BASIN REGIONAL PLANNING COMMISSION

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 9 | 2339 | Positive Impact Waste Solutions | Ector | 5MW | 205 |

### CONCHO VALLEY COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 10 | 2357 | San Angelo Pro Pump Dewatering & Compost Facility | Tom Green | 5GG | 3,137 |
| 10 | 2359 | D's Recycling Facility | Tom Green | 5RC | 7,613 |
| 10 | 42022 | Kickapoo Composting Facility | Tom Green | 5RC | 2,106 |

### HEART OF TEXAS COUNCIL OF GOVERNMENTS (COG 11) – NO DATA AVAILABLE

### CAPTIAL AREA COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 12 | 119 | Eco Depot | Travis | 5TS | 9,716 |
| 12 | 466 | Georgetown Transfer Station | Williamson | 5TS | 52,148 |
| 12 | 1787 | Hays County Transfer Station | Hays | 5TS | 1,701 |
| 12 | 2250 | Liquid Environmental Solutions of TX Austin Facility | Travis | 5GG | 26,580 |
| 12 | 2260 | Stericycle Austin Autoclave | Bastrop | 5AC | 10,069 |
| 12 | 40007 | IESI Blanco County Transfer Station | Blanco | 5TS | 19,372 |
| 12 | 40035 | BFI Burnet Transfer Station | Burnet | 5TS | 108,717 |
| 12 | 42016 | Texas Organic Recovery | Travis | 5RC | 33,026 |

### BRAZOS VALLEY COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 13 | 40018 | City of Brenham Transfer Station Facility | Washington | 5TS | 23,260 |
| 13 | 40173 | Washington County Transfer Station | Washington | 5TS | 29,815 |
| 13 | 40245 | Terrabon Demonstration Facility | Brazos | 5RR | 324 |
| 13 | 42003 | Bryan Compost Facility | Brazos | 5RC | 11,847 |
| 13 | 43026 | Still Creek Liquid Waste Processing Facility | Brazos | 5GG | 4,450 |

### DEEP EAST TEXAS REGIONAL PLANNING COMMISSION

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 14 | 40033 | Crockett Transfer Station | Houston | 5TS | 1,322 |
| 14 | 40038 | Tyler County Transfer Station | Tyler | 5TS | 0 |
| 14 | 40114 | City of Crockett Transfer Station | Houston | 5TS | 5,787 |
| 14 | 40226 | Pro Star Waste | Polk | 5TS | 3,273 |
| 14 | 43007 | City of Nacgodoches Grease Treatment Facility | Nacogdoches | 5GG | 2,427 |

### SOUTHEAST TEXAS REGIONAL PLANNING COMMISSION

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 15 | 40164 | JTB Recycling Transfer Station Facility | Jefferson | 5TS | 323 |
| 15 | 40225 | Triangle Waste Solutions | Jefferson | 5TS | 85,500 |
| 15 | 40231 | Biomedical Waste Solutions | Jefferson | 5MW | 1,971 |
| 15 | 43000 | JTB Recycling Transfer Station Facility | Jefferson | 5GG | 9,687 |

### HOUSTON-GALVESTON AREA COUNCIL

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 16 | 164 | Galveston Transfer Station | Galveston | 5TS | 80,765 |
| 16 | 1074 | City of Houston Lawndale Southeast Transfer Station | Harris | 5TS | 190,736 |
| 16 | 1091 | City of Houston Westpark Southwest Transfer Station | Harris | 5TS | 255,030 |
| 16 | 1092 | City of Houston Sommermeyer Northwest Transfer Station | Harris | 5TS | 166,833 |
| 16 | 1117 | Southwaste Disposal Lockwood Facility | Harris | 5GG | 24,779 |
| 16 | 1355 | Ruffino Hills Transfer Station | Harris | 5TS | 218,146 |

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 16 | 1471 | Sam Houston Recycling Center | Harris | 5TS | 76,210 |
| 16 | 1483 | Koenig Street Transfer Station | Harris | 5TS | 107,954 |
| 16 | 1578 | Hardy Road Transfer Station | Harris | 5TS | 242,425 |
| 16 | 2106 | City of Weimar Transfer Station | Colorado | 5TS | 23,636 |
| 16 | 2222 | Stericycle Inc Conroe Facility | Montgomery | 5AC | 13,715 |
| 16 | 2232 | UTMB Galveston Solid Waste Incineration Facility | Galveston | 5WI | 488 |
| 16 | 2234 | Liquid Environmental Solutions of TX Houston Facility | Harris | 5GG | 256,160 |
| 16 | 2235 | Brazoria County Recycling Center | Brazoria | 5RR | 0 |
| 16 | 2239 | WM Resource Recovery & Recycling Facility | Chambers | 5WI | 2,403 |
| 16 | 2241 | Southwaste Disposal Hurst Facility | Harris | 5GG | 108,250 |
| 16 | 2298 | B R Perrin Plant | Harris | 5GG | 40,698 |
| 16 | 2318 | Don Tol Compost Facility | Wharton | 5RC | 2,125 |
| 16 | 2326 | Stericycle Guhn Rd Processing Facility | Harris | 5MW | 150 |
| 16 | 2350 | Big K Environmental | Harris | 5GG | 85,786 |
| 16 | 40028 | Matagorda County Transfer Station | Matagorda | 5TS | 5,703 |
| 16 | 40053 | Best Septic Tank Cleaning | Fort Bend | 5TL | 2,215 |
| 16 | 40056 | City of Huntsville Transfer Station | Walker | 5TS | 39,341 |
| 16 | 40079 | Stericycle - Fresno | Fort Bend | 5TS | 2,952 |
| 16 | 40098 | BFI Houston Resource Renewal Complex Transfer Station Facility | Harris | 5TS | 18,245 |
| 16 | 40189 | Egbert Transfer Station | Harris | 5TS | 53,420 |
| 16 | 40191 | Country Waste Inc | Austin | 5TS | 8,747 |
| 16 | 40211 | Sprint Recycling Center - Northeast | Harris | 5TS | 25,723 |
| 16 | 40217 | Tanner Road Facility | Harris | 5TS | 23,076 |
| 16 | 40236 | Excell Disposal Waste Containers | Harris | 5TS | 43 |
| 16 | 42037 | New Earth Composting | Montgomery | 5RC | 10,508 |
| 16 | 43018 | A-Affordable Vacuum Service & Disposal Site | Harris | 5GG | 2,623,855 |

### GOLDEN CRESCENT REGIONAL PLANNING COMMISSION

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 17 | 2181 | Jackson County MSW Transfer Station & Recycling Center | Jackson | 5TS | 3,391 |
| 17 | 2330 | Victoria Environmental | Victoria | 5GG | 30,908 |
| 17 | 2366 | Victoria Regional WWTP Grit Trap Waste Facility | Victoria | 5GG | 652 |
| 17 | 40011 | City of Hallettsville Transfer Station | Lavaca | 5TS | 929 |
| 17 | 40017 | City of Yoakum Transfer Station | Dewitt | 5TS | 20,236 |
| 17 | 42034 | Victoria Compost Facility | Victoria | 5RC | 49,268 |

### ALAMO AREA COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 18 | 1443 | City of San Antonio Starcrest Transfer Station | Bexar | 5TS | 147,783 |
| 18 | 2248 | Liquid Environmental Solutions of TX San Antonio Facility | Bexar | 5GG | 41,446 |
| 18 | 2317 | Southwaste Disposal LLC San Antonio Facility | Bexar | 5RC | 41,819 |
| 18 | 40240 | Kerrville Transfer Station | Kerr | 5TS | 51,345 |
| 18 | 40244 | Medsharps, LLC Schertz Facility | Comal | 5MW | 796 |
| 18 | 42028 | City of Kerrville Composting Facility | Kerr | 5RC | 7,700 |
| 18 | 42032 | New Earth Composting | Bexar | 5RC | 68,198 |
| 18 | 43011 | City of La Coste | Medina | 5GG | 55,402 |

### SOUTH TEXAS DEVELOPMENT COUNCIL

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 19 | 40238 | Starr County Transfer Station | Starr | 5TS | 735 |

### COASTAL BEND COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 20 | 2319 | Texas Sludge Disposal Composting Facility | San Patricio | 5RC | 11,704 |
| 20 | 40002 | Live Oak County Transfer Station | Live Oak | 5TS | 600 |
| 20 | 40027 | Aransas County Transfer Station | Aransas | 5TS | 2,891 |
| 20 | 40093 | Liquid Environmental Solutions of TX Robstown Facility | Nueces | 5TL | 1,050 |
| 20 | 40228 | JC Elliott Transfer Station | Nueces | 5TS | 70,404 |

### LOWER RIO GRANDE VALLEY DEVELOPMENT COUNCIL

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 21 | 748 | Pharr Transfer Station | Hidalgo | 5TS | 15,585 |
| 21 | 2334 | Stericycle Harlingen Processing Facility | Cameron | 5MW | 0 |
| 21 | 2343 | Valley De-Watering Services Inc. | Hidalgo | 5GG | 11,935 |
| 21 | 2346 | Liquid Environmental Solutions of TX Weslaco Facility | Hidalgo | 5GG | 17,956 |
| 21 | 40110 | City of Harlingen Transfer Station | Cameron | 5TS | 60,181 |
| 21 | 42015 | City of Brownsville Composting Facility | Cameron | 5RC | 32,897 |

### TEXOMA COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 22 | 1030 | City of Gainesville | Cooke | 5TS | 29,446 |
| 22 | 1136 | City of Sherman Transfer | Grayson | 5TS | 10,528 |
| 22 | 40242 | Medical Waste of North Texas | Fannin | 5MW | 183 |

### CENTRAL TEXAS COUNCIL OF GOVERNMENTS

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 23 | 2368 | S & M Vacuum and Waste, Ltd | Bell | 5GG | 1,271 |
| 23 | 40004 | City of Hico Transfer Station | Hamilton | 5TS | 56 |
| 23 | 40145 | City of Copperas Cove Transfer Station | Coryell | 5TS | 20,954 |
| 23 | 40160 | City of San Saba Transfer Station | San Saba | 5TS | 2,953 |
| 23 | 40209 | Killeen Transfer Station | Bell | 5TS | 91,553 |
| 23 | 40234 | Stericycle Temple Facility | Bell | 5TS | 687 |
| 23 | 42017 | City of Copperas Cove Compost Facility | Coryell | 5RC | 1,901 |
| 23 | 42035 | Bell County WCID 1 Regional Compost Facility | Bell | 5RC | 79 |
| 23 | 43010 | S & M Vacuum & Waste Ltd | Bell | 5GG | 2,033 |

**MIDDLE RIO GRANDE VALLEY DEVELOPMENT COUNCIL**

| COG | Permit/Registration | Site Name | County | Type | 2011 Tons |
|---|---|---|---|---|---|
| 24 | 40034 | City of Sabinal | Uvalde | 5TS | 1,138 |
| 24 | 40042 | City of Eagle Pass Transfer Station | Maverick | 5TS | 3,772 |
| 24 | 40057 | Rocksprings Transfer Station | Edwards | 5TS | 789 |

# Facility Data for MSW Facilities Recovering Landfill Gas for Beneficial Use

Active gas recovery facilities (Type 9GR), organized by COG Region and Facility Permit or Registration Number

Key:
LFG – Landfill Gas
LFGTE – Landfill Gas to Energy
Landfill – Permit Number of the landfill from which the LFGTE facility recovers gas
Gas Processed – Estimated Gas Processed at the facility in Fiscal Year 2011
Gas Distributed Offsite – Estimated Gas Distributed Off-site from the facility in Fiscal Year 2011
Power Generated & Used – Estimated Gas Generated and Used On-site by the facility in Fiscal Year 2011
Power Generated & Sold – Estimated Gas Generated and Sold by the facility in Fiscal Year 2011
$ft^3$ – standard cubic feet
kWh – kilowatt hours

| COG | Permit/ Registration | Site Name | County | Landfill | Gas Processed ($ft^3$) | Gas Distributed Off-site ($ft^3$) | Power Generated & Used (kWh) | Power Generated & Sold (kWh) |
|---|---|---|---|---|---|---|---|---|
| 4 | 1025 | DFW LFGTE Facility | Denton | 1025 | 1,973,164,980 | 0 | 79,010,943 | 67,399,200 |
| 4 | 48012 | City of Arlington LFG Processing Facility | Tarrant | 358 | 637,155 | 637,155 | na | na |
| 4 | 48016 | City of Denton LFGTE Facility | Denton | 1590 | 128,499,908 | 0 | 31,959 | 11,004,635 |
| 4 | 48018 | Skyline LFGTE Facility | Dallas | 42 | 795,798,000 | 0 | 32,473,000 | 36,294,272 |
| 4 | 48021 | Fort Worth Methane LLC | Tarrant | 464 | 219,200,577 | 0 | 526,499 | 10,388,753 |
| 4 | 48023 | Trinity Oaks Energy LLC | Dallas | 556 | 523,155,313 | 0 | 1,367,684 | 22,252,068 |
| 4 | 48027 | Westside LFGTE Facility | Tarrant | 1019 | 749,625,000 | 0 | 30,907,349 | 29,221,081 |
| 4 | 48028 | Camelot LFGTE Facility | Denton | 1312 | na | na | 14,500,500 | 13,985,437 |
| 4 | 48030 | McKinney LFGTE Facility | Collin | 568 | 480,525,865 | na | 6,129,291 | 6,086,320 |
| 4 | 48033 | McCommas Bluff LFG Processing Facility | Dallas | 62 | 2,128,921,000 | 1,242,707,000 | na | na |
| 6 | 48026 | Greenwood Farms LFG Treatment Facility | Smith | 1972 | 611,651,222 | 352,129,000 | na | na |
| 11 | 48020 | City of Waco LFG Recovery Facility | McLennan | 948 | 503,836,938 | 503,836,938 | na | na |
| 12 | 48019 | Austin Community Landfill Power Plant | Travis | 249 | 1,068,044,000 | 867,153,000 | 2,391 | 35,578 |
| 16 | 1777 | McCarty Road LFG Recovery Facility | Harris | 261 | 2,658,900,000 | 1,330,900,000 | na | na |

| COG | Permit/ Registration | Site Name | County | Landfill | Gas Processed ($ft^3$) | Gas Distributed Off-site ($ft^3$) | Power Generated & Used (kWh) | Power Generated & Sold (kWh) |
|---|---|---|---|---|---|---|---|---|
| 16 | 48006 | Atascocita LFGTE Facility | Harris | 1307 | na | na | 59,927,550 | 55,553,537 |
| 16 | 48008 | Security LFGTE Facility | Montgomery | 1752 | na | na | 15,869,342 | 14,358,849 |
| 16 | 48009 | Coastal Plains LFGTE Facility | Galveston | 1721 | na | na | 35,568,050 | 31,786,260 |
| 16 | 48010 | Blue Bonnet LFGTE Facility | Harris | 1279 | na | na | 3,521,449 | 3,309,878 |
| 16 | 48022 | Baytown LFGTE Facility | Chambers | 1535 | na | na | 17,222,840 | 15,861,055 |
| 16 | 48025 | Ameresco McCarty Energy | Harris | 261 | 1,521,184,710 | 1,521,184,710 | na | na |
| 18 | 48005 | Tessman Road LFG Power Station | Bexar | 1410 | 491,036,660 | 0 | 1,746,500 | 41,986,948 |
| 18 | 48015 | Covel Gardens LFG Power Station | Bexar | 2093 | 681,153,371 | 0 | 2,742,355 | 62,814,740 |
| 18 | 48029 | Mesquite Creek LFGTE Facility | Comal | 66 | 661,752,000 | 435,553,000 | 725 | 17,906 |

# MSW Waste and Material Type Descriptions

| Waste/Material Type | Description |
|---|---|
| Brush | Cuttings or trimmings from trees, shrubs, or lawns and similar materials. |
| CESQG | Conditionally exempt small-quantity generator – a person that generates no more than 220 pounds of hazardous waste in a calendar month. |
| Class 1 wastes | Any industrial solid waste or mixture of industrial solid wastes that because of its concentration, or physical or chemical characteristics is toxic, corrosive, flammable, a strong sensitizer or irritant, a generator of sudden pressure by decomposition, heat, or other means, or may pose a substantial present or potential danger to human health or the environment when improperly processed, stored, transported, or disposed of or otherwise managed, as further defined in §335.505 of this title (relating to Class 1 Waste Determination). |
| Class 2 wastes | Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of this title (relating to Class 2 Waste Determination). |
| Class 3 wastes | Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of this title (relating to Class 3 Waste Determination). |
| Commercial solid waste | All types of solid waste generated by stores, offices, restaurants, warehouses, and other nonmanufacturing activities, excluding residential and industrial wastes. |
| Construction/Demolition Waste | Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics. |
| Grease trap waste | Material collected in and from a grease interceptor in the sanitary sewer service line of a commercial, institutional, or industrial food service or processing establishment, including the solids resulting from dewatering processes. |
| Grit trap waste | Grit trap waste includes waste from interceptors placed in the drains prior to entering the sewer system at maintenance and repair shops, automobile service stations, car washes, laundries, and other similar establishments. |
| Litter | Rubbish and putrescible waste. |

| Waste/Material Type | Description |
|---|---|
| Medical waste | Treated and untreated special waste from health care-related facilities that is comprised of animal waste, bulk blood, bulk human blood, bulk human body fluids, microbiological waste, pathological waste, and sharps as those terms are defined in 25 TAC §1.132 (relating to Definitions) from the sources specified in 25 TAC §1.134 (relating to Application), as well as regulated medical waste as defined in 49 Code of Federal Regulations §173.134(a)(5), except that the term does not include medical waste produced on a farm or ranch as defined in 34 TAC §3.296(f) (relating to Agriculture, Animal Life, Feed, Seed, Plants, and Fertilizer), nor does the term include artificial, nonhuman materials removed from a patient and requested by the patient, including, but not limited to, orthopedic devices and breast implants. |
| Municipal solid waste | Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, dead animals, abandoned automobiles, and all other solid waste other than industrial solid waste. |
| NHIW | Non-Hazardous Industrial Waste. Includes Class 1non-hazardous, Class 2 & Class 3 wastes. |
| Non-RACM | Non-regulated asbestos-containing material as defined in 40 Code of Federal Regulations Part 61. This is asbestos material in a form such that potential health risks resulting from exposure to it are minimal. |
| Paper | A material made from plant fibers (such as but not limited to wood pulp, rice hulls, and kenaf). The sludge byproduct resulting from the production of paper may be approved as a feedstock pursuant to §332.33(b) of this title (relating to Required Forms, Applications, Reports, and Request To Use the Sludge Byproduct of Paper Production) |
| RACM | Regulated asbestos-containing material as defined in 40 Code of Federal Regulations Part 61, as amended, includes: friable asbestos material, Category I nonfriable ACM that has become friable; Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading; or Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material during demolition or renovation operations. |
| Residential Waste (Household waste) | Any solid waste (including garbage, trash, and sanitary waste in septic tanks) derived from households (including single and multiple houses, hotels, and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas); does not include yard waste or brush that is completely free of any household wastes. |
| Septage | The liquid and solid material pumped from a septic tank, cesspool, or similar sewage treatment system. |
| Sludge | Any solid, semi-solid, or liquid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water-supply treatment plant, or air pollution control facility, exclusive of the treated effluent from a wastewater treatment plant. |

| Waste/Material Type | Description |
|---|---|
| Tires (Scrap) | Any tire that can no longer be used for its original intended purpose. Only split, quartered, or shredded tires may be disposed of in a landfill. |
| Used Oil | Any oil that has been refined from crude oil, has been used, and, as a result of such use, is contaminated by physical or chemical impurities. |
| White Goods | Discarded large household appliances such as refrigerators, stoves, washing machines, or dishwashers. |
| Yard Waste | Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls. |