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

FY 2014 Data Summary and Analysis

Municipal Solid Waste in Texas: A Year in Review

FY 2014 Data Summary and Analysis

Prepared by
Waste Permits Division

AS-187/15
October 2015



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General Information

Municipal Solid Waste in Texas: A Year in Review is prepared by the Municipal Solid Waste (MSW) Permits Section, Waste Permits Division. The summary includes data on the types and amounts of waste disposed and processed at permitted and registered MSW facilities. The report also includes an estimate of the state's remaining disposal capacity.

Reporting Period

Reports from MSW facilities are based on a fiscal year, which runs from September 1 through August 31. All references to 2014 in this annual summary are related to fiscal year 2014 (September 1, 2013 through August 31, 2014).

Reporting Requirements

In accordance with Title 30 of the Texas Administrative Code (30 TAC), Chapter 330 (Municipal Solid Waste), Subchapter P (relating to Fees and Reporting), MSW facility operators are required to submit an annual report to the Texas Commission on Environmental Quality (TCEQ) covering the types and amounts of waste processed or disposed at a facility.

Data Sources

The data in this summary are condensed from annual reports submitted by 198 active landfills and 195 active processing facilities. The MSW Permits Section reviewed the data and verified and/or reconciled discrepancies with facility representatives, quarterly report data, and agency records (MSW Records).

Facility reports included:

- operational information (e.g., which counties the facility serves),
- administrative information (e.g., who owns or operates the facility), and
- facility activities (e.g., types and amounts of waste accepted or processed at the facility).

Population data for this summary was obtained from the US Census Bureau's state population estimatesⁱ found at <http://www.census.gov/popest/data/counties/totals/2014/CO-EST2014-01.html>

ⁱ Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2014; Source: U.S. Census Bureau, Population Division; Release Date: March, 2015

Facility Information

Landfills

Type I facilities. A Type I landfill is the standard landfill for the disposal of MSW. For 2014, 100 of the active landfills (50.5%) were Type I facilities.

Type IV facilities. A Type IV landfill only accepts brush, construction and demolition (C&D) waste, and other similar waste that will not putrefy. For 2014, 22 of the active landfills (11%) were Type IV facilities. In addition, Type IV landfills accounted for 9% of the total waste disposed and 4% of the total statewide remaining capacity. However, these landfills were not distributed evenly across the state; approximately 64% were located in the Houston-Galveston Area Council's region (HGAC-16).

Arid-exempt (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 are exempt from liner and groundwater monitoring requirements.ⁱⁱ In 2014, 71 active MSW landfills (36%) had an arid-exempt authorization. Arid-exempt landfills accounted for 1% of the total waste disposed and 1% of the total statewide remaining capacity.

Monofills. Counties or municipalities with 12,000 or fewer people can obtain a permit by rule under 30 TAC §330.7(i) to dispose demolition waste from properties with nuisance or abandoned buildings into disposal facilities that are owned or controlled by the county/municipality. For 2014, 5 of the state's active MSW landfills (2.5%) were monofills.

Landfills Reporting

MSW Records indicated that in 2014 there were 198 permitted MSW landfills actively accepting and managing waste (Figure 1). Annual reports were submitted for all 198 active facilities.

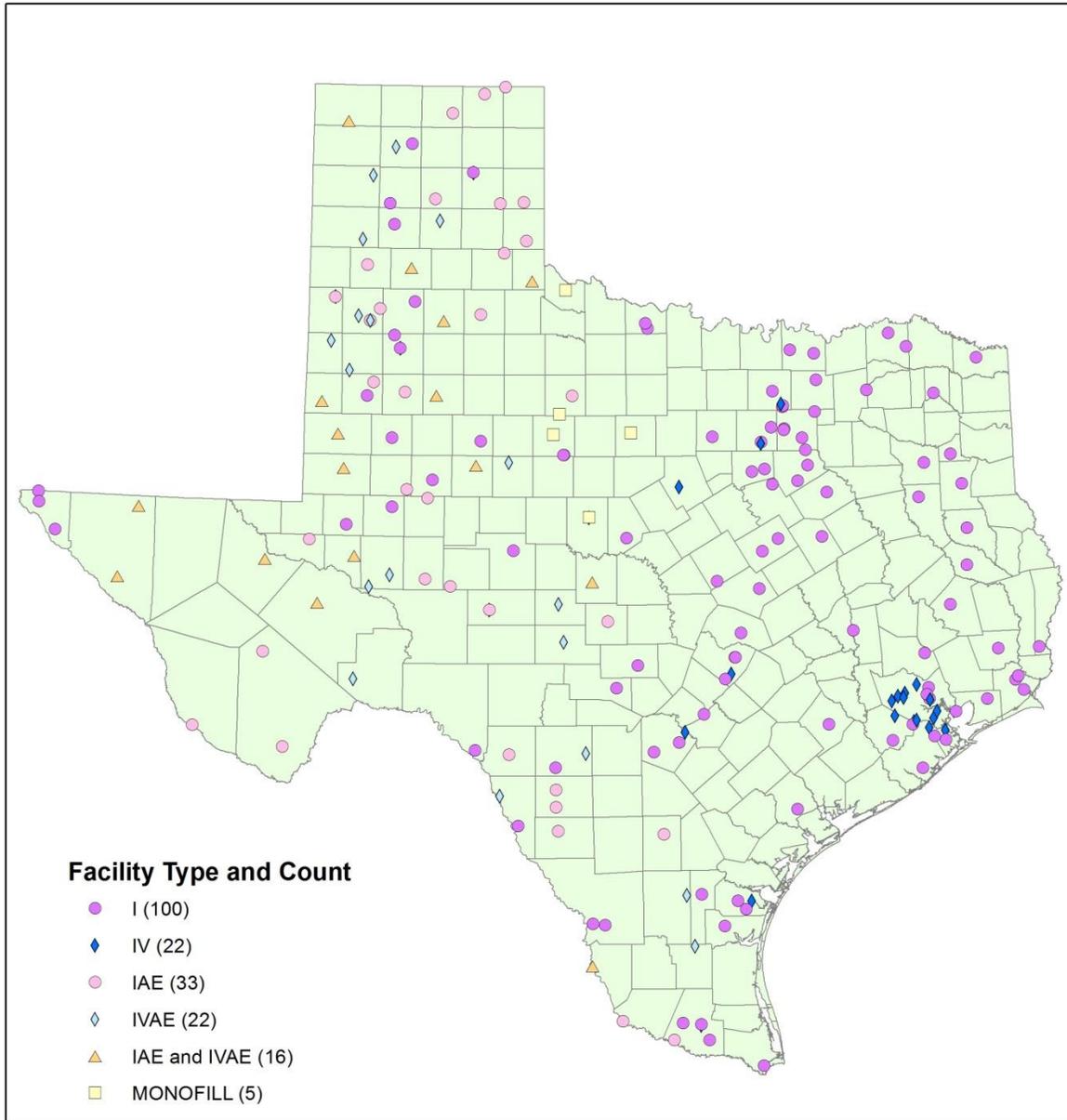
Individual facility data for the 2014 active landfills is presented in the "Facility Data for MSW Landfills" section at the end of this report. In addition, the submitted annual reports are available on the TCEQ's Central Registry website at

<<http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=addnid.IdSearch>>

(To access the online report, enter the Program ID (e.g., 1312A); select the **active** "Municipal Solid Waste" ID Number in the "Permits, Registrations, or Other Authorizations" table; select "Periodic Reports;" and select the annual report for the year of interest.)

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

Figure 1. Active Texas MSW Landfills in 2014



Processing Facilities

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

Type V facilities. Type V facilities store or process MSW. Processing includes transfer, incineration, shredding, grinding, baling, composting, salvaging, separation, dewatering, or reclamation of MSW. Type V facilities may be authorized by permit. However, facilities may qualify for authorization by registration if they meet specific requirements identified by statute and rule. A transfer station that includes a material recovery operation, which recovers at least 10% by weight of the incoming waste stream for reuse or recycling, would qualify for a registration.

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.

Processing Facilities Reporting

MSW processing facilities are differentiated by sub-types in MSW Records (Table 1). For 2014, MSW Records indicated that there were 195 active permitted or registered MSW processing facilities. Annual reports were submitted for all 195 active facilities.

Table 1. Active MSW Processing Facilities in 2014

Facility Type	Permitted	Registered
Autoclave (5AC)	2	7
Liquid Waste Processor (5GG)	22	7
Medical Waste Processor (5MW)	1	1
Composting (5RC)	7	11
Recycling & Recovery (5RR)	1	1
Liquid Transfer Station (5TL)	0	4
Transfer Station (5TS)	31	69
Waste Incinerator (5WI)	3	0
Gas Recovery (9GR)	2	26
Total	69	126

Note: In the agency database, facility sub-types are identified using Arabic numbers with abbreviations (e.g., 5GG).

The total reported amount of waste processed by Type V facilities in 2014 was 6.41 million tons. Individual facility data for the 2014 active processing facilities is presented in the “Facility Data for MSW Processing Facilities” section at the end of this report.

For the Type IX landfill gas recovery for beneficial use facilities, 18.2 billion cubic feet of gas were processed with over 6.6 billion cubic feet distributed off-site. The amount of power generated and used on-site was approximately 221 million kilowatt hours (kWh). The amount of power generated and sold was over 578 million kWh. Individual facility data for the 2014 active Type IX landfill gas recovery for beneficial use facilities is presented in the “Facility Data for MSW Facilities Recovering Landfill Gas for Beneficial Use” section at the end of this report.

The submitted annual reports for Type V and Type IX facilities are also available on the TCEQ’s Central Registry website at <http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=addnid.IdSearch>

(To access the online report, enter the Program ID (e.g., 1312A); select the **active** “Municipal Solid Waste” ID Number in the “Permits, Registrations, or Other Authorizations” table; select “Periodic Reports;” and select the annual report for the year of interest.)

Other Information

Use of scales. The majority of active MSW landfills (74%) and 53% of the MSW Type V processing facilities reported using scales to measure all or some of their accepted waste or feedstock material in 2014. Facilities without scales (as well as many facilities with scales) measured accepted waste or feedstock material by volume (i.e., cubic yards).

Texas municipal solid waste fee. In 2013, the state changed the MSW fees. 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 94 cents 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 30 cents per cubic yard and the fee for uncompacted solid waste is 19 cents per cubic yard received for disposal at a municipal solid waste landfill. The commission shall set the fee for sludge or similar waste applied to the land for beneficial use on a dry weight basis and for solid waste received at an incinerator or a shredding and composting facility at half the fee set for solid waste received for disposal at a landfill...”

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

For 2014, the statewide tipping fee rates charged by MSW landfills averaged

- \$32.80 per ton, with 138 facilities reporting;
- \$10.30 per cubic yard for compacted cubic yards, with 38 facilities reporting; and
- \$11.56 per cubic yard for uncompacted cubic yards, with 71 facilities reporting.

For 2014, the statewide tipping fee rates charged by MSW Type V processing facilities averaged

- \$48.90 per ton, with 55 facilities reporting;
- \$0.20 per gallon, with 39 facilities reporting;
- \$0.34 per pound, with 10 facilities reporting;
- \$18.62 per cubic yard for compacted cubic yards; with 16 facilities reporting; and
- \$13.84 per cubic yard for uncompacted cubic yards, with 35 facilities reporting.

Facility ownership. MSW facilities in Texas are typically owned by government entities such as cities and counties, or by corporations and other types of privately held companies. For 2014, MSW Records indicated that 129 of the 198 active landfills (65%) were publicly owned, but represented only 35% of the total reported amount of waste disposed. For the active Type V processing facilities, 79 facilities were publicly owned and 88 were owned by private companies. For Type IX landfill gas recovery for beneficial use facilities, 24 of the 28 active facilities were privately owned.

Waste Information

Waste Managed by MSW Facilities

MSW definitions. MSW is defined under 30 TAC, Chapter 330 (Municipal Solid Waste), Subchapter A (General Information) 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 refers to the source, rather than the constituents or properties of the waste. Retailers, repair services, and the general public are municipal generators; manufacturers are industrial solid waste generators.

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 C&D waste and municipal sludge, the Texas definition does. Therefore, the per capita MSW disposal and generation rates for Texas may appear to be higher than those of other states.

Waste classifications. Texas defines industrial solid wastes as separate and distinct from MSW. Industrial waste may be defined as hazardous or non-hazardous. MSW facilities may not accept regulated hazardous waste. Most MSW facilities may accept Class 2 and Class 3 non-hazardous industrial solid waste. Only facilities with dedicated Class 1 cells, which have more protective design requirements, may accept Class 1 non-hazardous waste. The non-hazardous industrial solid wastes are 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 is not properly managed. There are special handling requirements for Class 1 wastes at MSW landfills. An example of Class 1 waste could be industrial sludge containing metals or organics.
- **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 plants are typically Class 2 wastes.
- **Class 3:** inert and essentially insoluble industrial solid wastes that do not readily decompose, such as 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.

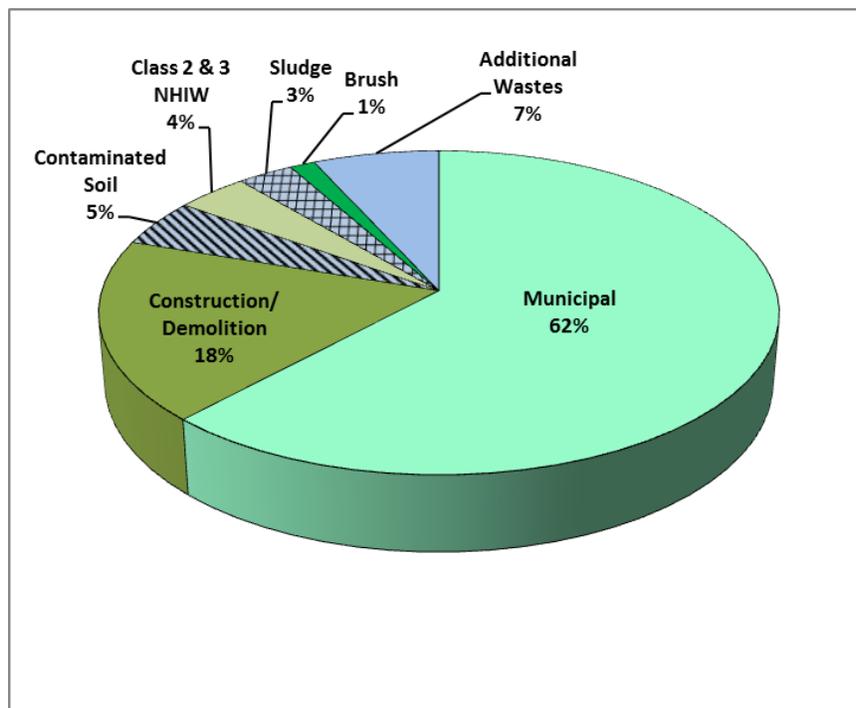
Disposal Information

Waste types. While the majority of MSW disposed in Texas is residential and commercial waste, landfill operators 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.” In 2014, municipal waste accounted for approximately 62% of the total waste disposed at MSW landfills. At 18%, construction and demolition waste was the second largest waste type disposed. “Additional Wastes” included, but was not limited to: tires, medical waste, litter, grease trap waste, and grit trap waste.

Waste sources. In 2014, 99.5% of MSW disposed in Texas was generated within the state. A total of 3,767 tons was received from Mexico, as reported by four landfills. In addition, a total of 174,736 tons was received from out-of-state, as reported by fourteen landfills. States served included Arkansas, Kansas, Louisiana, New Mexico, and Oklahoma. There is no requirement for reporting the amount of MSW that is exported from Texas.

The types and estimated amounts of waste disposed in Texas MSW landfills for 2014 are illustrated in Figure 2 and Table 2.

Figure 2. Types and Amounts of MSW Landfilled in 2014



Note: Class 1 NHIW waste is included in “Contaminated soil” and “Additional Wastes” categories.

Waste Information

Table 2. Types and Amounts of MSW Landfilled in 2014

Waste Type	Number of Landfills Accepting Waste	Tons Disposed	% of Total Tons Disposed
Municipal	150	20,061,706	61.97
Brush	69	441,339	1.36
Construction/Demolition	154	5,882,016	18.17
Litter	11	3,778	0.01
Class 1 NHIW ¹	14	385,981	1.19
Classes 2 and 3 NHIW ¹	60	1,261,490	3.90
Incinerator ash	5	10,210	0.03
Medical waste	13	27,112	0.08
CESQG ²	3	13,416	0.04
RACM ³	30	71,426	0.22
Non-RACM ³	40	61,844	0.19
Dead animals	73	13,065	0.04
Sludge	89	985,214	3.04
Grease trap waste	13	9,886	0.03
Grit trap waste	22	10,754	0.03
Septage	8	278,758	0.86
Contaminated soil	45	1,525,927	4.71
Tires ⁴	25	42,228	0.13
Pesticides	0	0	0.00
Used Oil Filter	0	0	0.00
Other	39	1,285,425	4.00
Total		32,371,574	100

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

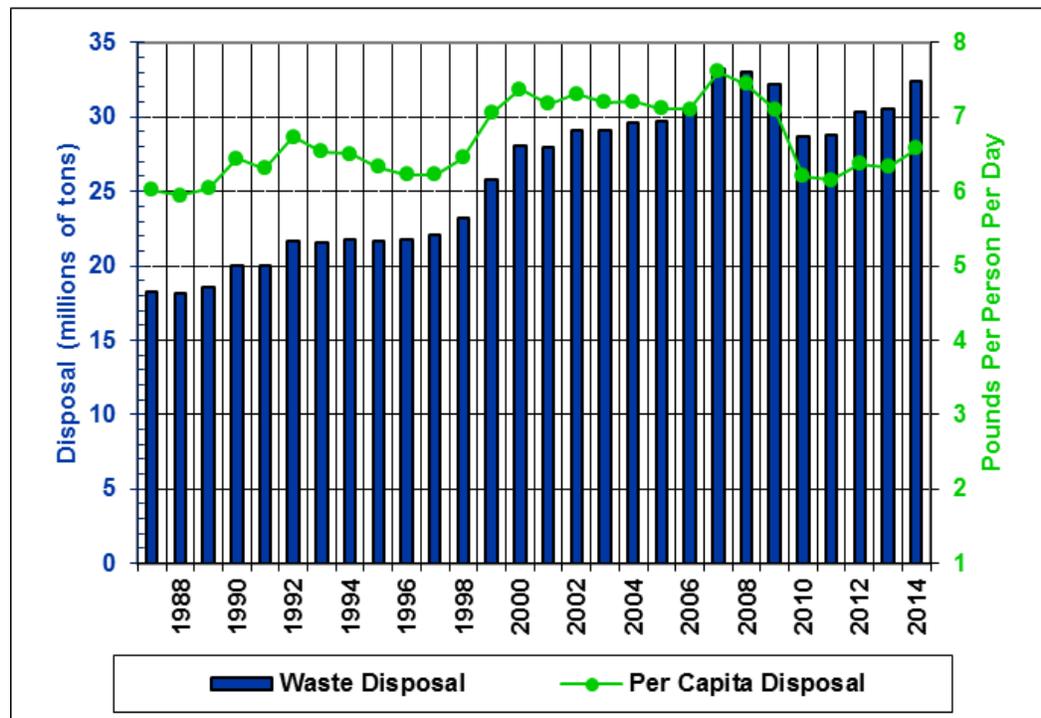
Note: Descriptions for several of the waste types listed in Table 2 are provided at the end of this report.

Capacity Information

Per capita rate. In 2014, total disposal of MSW in the state was approximately 32.37 million tons. Using the state population estimateⁱ of 26,956,958, the per capita landfill disposal rate in Texas was 6.58 pounds per person per day, which is slightly above the 2013 rate of 6.33 pounds. During this period, the state’s population increased 1.9%.

Figure 3 displays a graphic representation of disposal amounts and per capita rates over time. For more detailed information, please see the “Historical Data for MSW Landfills in Texas” table on page 23 of this report.

Figure 3. Texas Total and Per Capita for MSW Landfill Disposal



ⁱ Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2014; Source: U.S. Census Bureau, Population Division; Release Date: March 2015; <<http://www.census.gov/popest/data/counties/totals/2014/CO-EST2014-01.html>>

Landfill capacity. The total remaining MSW landfill capacity in the state at the end of 2014 was 2.87 billion cubic yards. Based on reported compaction rates, this volume would hold 1.94 billion tons of waste and serve for 60 years.

The remaining capacity for all active MSW landfills by facility type is summarized in Table 3. The analyses in this summary are based on the assumptions that no new landfill expansions or new permits will be issued and that the 2014 population and disposal amounts will remain constant.

Table 3. Disposal Amounts and Remaining Capacity by Facility Type

Facility Type	Number of Landfills	Disposal (Tons)	Remaining Capacity (Tons)	Remaining Capacity (Years)*
I	100	29,127,900	1,846,340,029	63
IV	22	2,914,837	71,301,088	24
IAE	33	173,026	9,461,612	55
IVAE	22	34,417	2,638,057	77
IAE and IVAE	16	116,721	6,521,351	56
Monofill	5	4,673	3,078,040	NA
All types	198	32,371,574	1,939,340,177	60

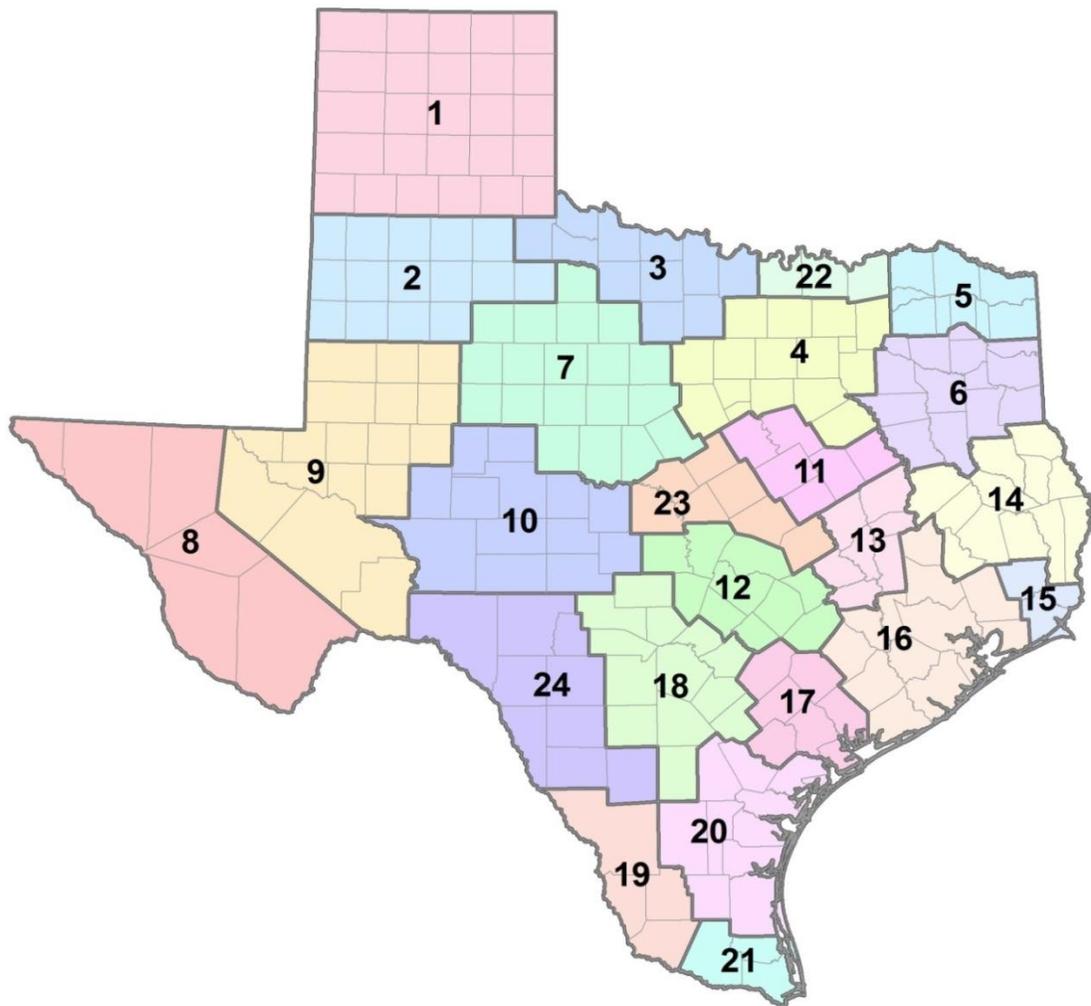
* Average, assuming the 2014 disposal rate of 32.37 million tons per year.
 NA – Not applicable. These facilities are authorized through a renewable five-year permit by rule.

Growth and attrition. According to submitted data, statewide capacity increased in 2014. The resulting net capacity increased by approximately 58.55 million tons (roughly 81 million cubic yards) or 3% from the statewide 2013 capacity.

Statewide distribution. In Texas, there are 24 Regional Planning Commissions, also known as Councils of Governments (COGs), responsible for MSW management planning on a regional basis (Figure 4).ⁱⁱ Although remaining capacity was not evenly distributed, the state appeared to have an adequate reserve of landfill capacity in 2014 (Table 4). The Central Texas COG (CTCOG -23) indicated the least amount of remaining capacity with 17 years.

In September 2013, the state’s regional planning boundaries were modified by the Governor’s Executive Order RP-78. McMullen County moved from the Coastal Bend COG (CBCOG-20) to the Alamo Area COG (AACOG-18). McMullen County Landfill (Permit No. 571) was affected by this change.

ⁱⁱ Texas Health and Safety Code, Section 363.0615.



No.	Abbrev.	COG Name	No.	Abbrev.	COG Name
1	PRPC	Panhandle Regional Planning Commission	13	BVCOG	Brazos Valley Council of Governments
2	SPAG	South Plains Association of Governments	14	DETCOG	Deep East Texas Council of Governments
3	NRPC	Nortex Regional Planning Commission	15	SETRPC	South East Texas Regional Planning Commission
4	NCTCOG	North Central Texas Council of Governments	16	HGAC	Houston-Galveston Area Council
5	ATCOG	Ark-Tex Council of Governments	17	GCRPC	Golden Crescent Regional Planning Commission
6	ETCOG	East Texas Council of Governments	18	AACOG	Alamo Area Council of Governments
7	WCTCOG	West Central Texas Council of Governments	19	STDC	South Texas Development Council
8	RGCOG	Rio Grande Council of Governments	20	CBCOG	Coastal Bend Council of Governments
9	PBRPC	Permian Basin Regional Planning Commission	21	LRVRDC	Lower Rio Grande Valley Development Council
10	CVCOG	Concho Valley Council of Governments	22	TCOG	Texoma Council of Governments
11	HOTCOG	Heart of Texas Council of Governments	23	CTCOG	Central Texas Council of Governments
12	CAPCOG	Capital Area Council of Governments	24	MRGDC	Middle Rio Grande Development Council

Figure 4. Texas Councils of Governments

Capacity Information

Table 4. Analysis of MSW Landfill Disposal by Texas COGs for 2014

COG	Active MSW Landfills		2014 Disposal				Remaining Capacity		
	Count	% of Total	Tons	% of Total	Population	Per Cap*	Tons	% of Total	Years **
1 PRPC	21	10.61	565,302	1.75	436,597	7.09	45,499,653	2.35	80
2 SPAG	19	9.60	504,292	1.56	424,402	6.51	75,345,254	3.89	149
3 NRPC	3	1.52	269,750	0.83	221,340	6.68	54,179,656	2.79	201
4 NCTCOG	21	10.61	9,238,905	28.54	7,070,768	7.16	386,164,828	19.91	42
5 ARK-TEX	4	2.02	370,467	1.14	282,513	7.19	67,902,633	3.50	183
6 ETCOG	4	2.02	601,338	1.86	844,811	3.90	119,587,029	6.17	199
7 WCTCOG	12	6.06	575,199	1.78	328,316	9.60	96,730,386	4.99	168
8 RGCOG	8	4.04	433,649	1.34	857,317	2.77	51,599,185	2.66	119
9 PBRPC	15	7.58	686,300	2.12	463,167	8.12	47,588,057	2.45	69
10 CVCOG	9	4.55	223,835	0.69	160,381	7.65	5,043,644	0.26	23
11 HOTCOG	4	2.02	568,525	1.76	356,344	8.74	53,121,791	2.74	93
12 CAPCOG	5	2.53	2,104,062	6.50	2,060,139	5.60	77,731,312	4.01	37
13 BVCOG	1	0.51	309,870	0.96	335,237	5.06	23,090,233	1.19	75
14 DETCOG	4	2.02	482,594	1.49	378,777	6.98	45,045,624	2.32	93
15 SETRPC	4	2.02	660,208	2.04	391,289	9.25	30,422,679	1.57	46
16 HGAC	26	13.13	8,780,422	27.12	6,658,375	7.23	325,595,964	16.79	37
17 GCRPC	1	0.51	141,657	0.44	196,033	3.96	5,346,340	0.28	38
18 AACOG	7	3.54	2,965,578	9.16	2,438,976	6.66	167,438,280	8.63	56
19 STDC	4	2.02	359,812	1.11	349,202	5.65	49,826,903	2.57	138
20 CBCOG	7	3.54	682,574	2.11	593,034	6.31	93,243,413	4.81	137
21 LRGVDC	6	3.03	1,086,376	3.36	1,273,368	4.67	86,441,442	4.46	80
22 TCOG	2	1.01	176,944	0.55	196,047	4.95	16,721,725	0.86	95
23 CTCOG	2	1.01	443,949	1.37	467,805	5.20	7,422,718	0.38	17
24 MRGDC	9	4.55	139,965	0.43	172,720	4.44	8,251,428	0.43	59
Totals	198	100	32,371,574	100	26,956,958	6.58	1,939,340,177	100	60

*Pounds per person per day

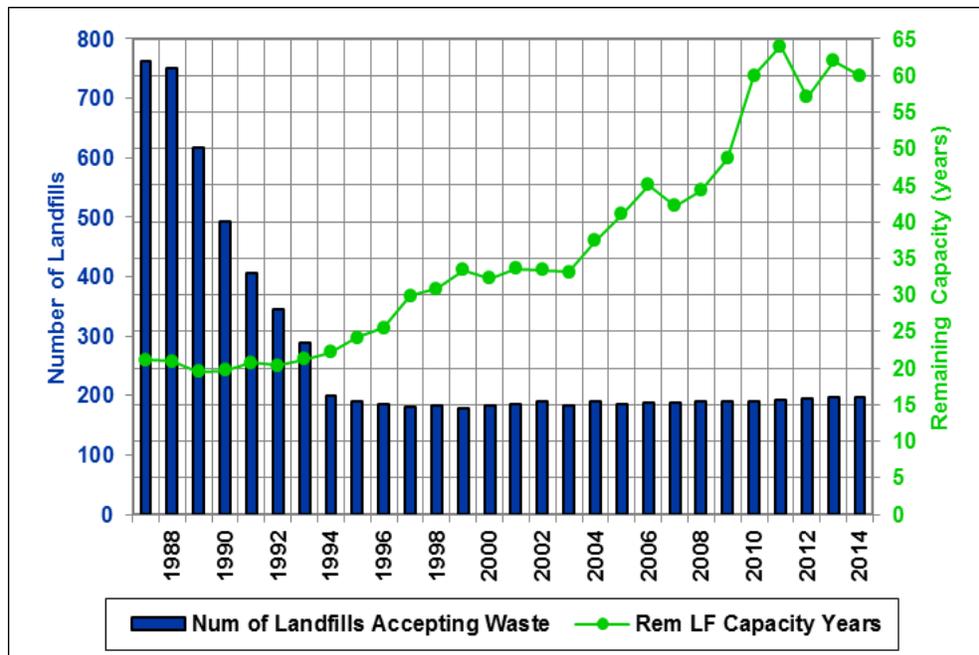
**Average, at 2014 statewide disposal rate

Trends

Landfill closures. In 1987, there were 763 authorized MSW landfills accepting waste. The reduction in the number 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 stabilized, 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 MSW disposal was less than 22 years. The current reserve capacity for disposal is approximately 60 years (Figure 5). The increasing reserve capacity trend is attributed to an expansion in the 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, and the 2000 average was approximately 1,000 pounds per cubic yard. The 2014 average compaction rate was calculated as 1135 pounds per cubic yard (Note – only 193 landfills were included in the calculation; compaction rate data is not required to be reported for monofills).

Figure 5. Number of MSW Landfills and Remaining Capacity



Landfill size. In addition to improvements in the operation of MSW landfills, size and service areas for 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. In 2014, the statewide average landfill size was 241 acres with an average depth of 37 feet, and an average height of 84.5 feet.

The breakdown of the permitted heights for MSW landfills in 2014 is presented in Table 5. Two landfills had a permitted height over 300 feet; Abilene Regional Landfill (Permit No. 1469A; WCTCOG-7) and Greenwood Farms (Permit No. 1972A; ETCOG-6).

Table 5. Permitted Heights for MSW Landfills in 2014

Permitted Height	Number of Landfills	% of Landfills
<100 ft	120*	62
100 ft – 200 ft	52	27
200 ft – 300 ft	19	10
>300 ft	2	1

* Permitted heights for monofills are not included in the report.

Counties served. The 198 active MSW landfills in the state reported the number of counties they served in 2014 (Table 6). Service to more than one county was provided by 131 landfills (66%). The number of active landfills by county is shown in Table 7; counties with a change in the number of landfills are indicated.

Table 6. Number of Texas Counties Served by MSW Landfills in 2014

Number of Counties Served	Number of Landfills
1	67
2 – 5	66
6 – 10	45
11 – 15	8
16 – 20	8
>20	4

Table 7. Number of Active MSW Landfills by County in 2014

Anderson	0	Crane	1	Hartley	0	Madison	0	San Patricio	0
Andrews	1	Crockett	0	Haskell	2 ^{*M}	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	5	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	1
Bastrop	0	DeWitt	0	Houston	0	Menard	1	Stephens	1 ^M
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	1 ^{**}	El Paso	3	Jasper	0	Morris	0	Terry	2
Brazoria	2	Ellis	3	Jeff Davis	0	Motley	1	Throckmorton	0
Brazos	0	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	3 ^M	Nueces	3	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	2
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	0	Gregg	1	Lavaca	0	Red River	0	Willacy	0
Coleman	2 ^{*M}	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	1 ^M	Llano	0	Rusk	1	Young	0
Cooke	0	Hardin	1	Loving	0	Sabine	0	Zapata	1
Coryell	1	Harris	14	Lubbock	3	San Augustine	0	Zavala	2
Cottle	0	Harrison	0	Lynn	1	San Jacinto	0		

*Increase in number of active landfills

**Decrease in number of active landfills

^MIndicates existing Monofill

MSW Recycling

Public and private programs supporting the state's goals for reducing, reusing, and recycling assist in preserving disposal capacity in landfills. Throughout the state, paper, glass, aluminum cans, plastic, scrap metal, wood, electronics, and numerous other materials are recycled every day. Information on TCEQ's promotion of recycling programs can be found on the agency's website at <http://www.tceq.texas.gov/p2/recycle/recycling.html>.

Currently, the effect of recycling in Texas is difficult to measure. An effort to quantify the amount of recycled materials in the state was conducted in 2014 by industry stakeholders. The results of the study were published in the "Texas Recycling Data Initiative, A Collaborative Effort to Measure Recycling: Biennial Report (January 2015)," which can be found at http://www.recyclingstar.org/wp-content/uploads/2015/02/TRDI_Report_print-0204.pdf. In 2015, the state legislature directed TCEQ to conduct a study on the current and potential economic impacts of recycling. The results of this study will be included in the TCEQ report, "Municipal Solid Waste in Texas: A Year in Review, 2016 Data Summary and Analysis." Additional information about the TCEQ study can be found at <http://www.tceq.texas.gov/p2/recycle/study-on-the-economic-impacts-of-recycling>.

Electronics recycling. Texas requires television (TV) and computer equipment manufacturers to offer recycling opportunities to consumers. As part of the state's Texas Recycles TVs Program, TV recyclers are required to report the total weight or volume of covered television equipment received, recycled, and disposed of in the preceding calendar year (CY) on an annual basis. In CY 2014 (January 1, 2014 – December 31, 2014), approximately 24.3 million pounds were received, 23.0 million pounds were recycled, and 0.00 pounds were disposed, as reported by 15 active TV recyclers.

TV and computer equipment manufacturers are also required to report the amount of equipment collected, recycled, and reused. Information about the TV and computer recycling programs can be found on the TCEQ's website at http://www.tceq.texas.gov/p2/recycle/electronics/tv_recycling.html and <http://www.tceq.texas.gov/p2/recycle/electronics/manufacturer-list.html>, respectively.

Composting. In Texas, composting is a method used for recycling organic materials. Permitted and registered MSW facilities are allowed to accept bulking agents and feedstock materials such as municipal sewage sludge, positively-sorted and source separated organic materials, disposable diapers, source-separated yard trimmings, clean wood material, vegetative material, paper, manure, meat, fish, dairy, oil, grease materials, or dead animal carcasses. In addition, permitted facilities are authorized to accept mixed municipal solid

waste and grease trap waste. In 2014, a total of 393,555 tons of organic material was composted, as reported by 5 landfills and 17 composting facilities.

Diversion. Some waste accepted at permitted and registered MSW facilities is diverted from the solid waste stream as recyclable materials. In 2014, over 1.2 million tons of materials were reported as diverted from MSW facilities for recycling or reuse: a total of 741,319 tons, as reported by 111 landfills; and a total of 509,027 tons, as reported by 84 processing facilities, with transfer stations representing the majority.

The various material streams and estimated amounts reported as diverted by MSW facilities in 2014 are presented in Table 8. It is noted that data in the table represent only the amount of recyclable material leaving a disposal or processing facility and may or may not include the numbers reported by recycling facilities, such as composters and TV recyclers.

Table 8. Types and Amounts of Diverted Materials

Material Type	Tons Diverted	% of Total Tons Diverted
Yard Waste or Brush	395,036	31.59
Metal	39,176	3.13
Glass	29,750	2.38
Plastics	16,477	1.32
Construction/Demolition Waste	159,125	12.73
Paper/Cardboard	187,017	14.96
Electronic Materials	518	0.04
White Goods	1,145	0.09
Tires	4,257	0.34
Automotive	4	0.00
Shingles	2,172	0.17
Used Oil	4,262	0.34
Unclassified Materials	411,410	32.90
Total	1,250,346	100

Note: Descriptions for several of the material types listed in Table 8 are provided at the end of this report.

Historical Data for MSW Landfills in Texas

Year	Waste Disposal (Tons)	State Population	Per Capita Disposal*	Number of Active Landfills	Remaining Capacity (Cubic Yards)	Remaining Capacity (Tons)	Remaining Capacity (Years)
1988	18,114,295	16,668,639	5.95	750	1,162,374,628	377,771,754	21
1989	18,531,001	16,806,521	6.04	616	1,111,902,033	361,368,161	20
1990	19,969,615	16,986,510	6.44	493	1,124,524,795	393,583,678	20
1991	19,973,622	17,349,000	6.31	405	1,183,699,041	414,294,664	21
1992	21,675,661	17,655,650	6.73	345	1,193,233,770	440,730,048	20
1993	21,517,063	18,031,484	6.54	289	1,205,635,627	456,161,796	21
1994	21,808,274	18,378,185	6.50	199	1,269,565,453	483,752,986	22
1995	21,639,678	18,723,991	6.33	191	1,071,520,039	523,633,365	24
1996	21,738,137	19,128,261	6.23	186	1,023,799,597	554,095,949	26
1997	22,094,777	19,439,337	6.23	181	1,169,628,669	659,694,441	30
1998	23,259,425	19,759,614	6.45	184	1,300,609,247	716,302,147	31
1999	25,791,066	20,044,141	7.05	179	1,557,349,331	862,778,821	33
2000	28,034,517	20,851,820	7.37	183	1,633,321,824	904,891,939	32
2001	27,938,751	21,235,018	7.18	186	1,710,713,869	939,383,633	34
2002	29,061,966	21,779,893	7.31	190	1,691,970,227	971,314,962	33
2003	29,073,315	22,118,509	7.20	184	1,506,807,849	963,972,887	33
2004	29,581,785	22,490,022	7.21	189	1,826,587,075	1,134,462,509	37
2005	29,671,151	22,859,968	7.11	186	1,870,868,394	1,217,845,562	41
2006	30,453,702	23,507,783	7.10	187	2,110,807,960	1,366,311,822	45
2007	33,183,488	23,904,380	7.61	188	2,158,501,232	1,403,592,411	42
2008	33,078,196	24,326,974	7.45	191	2,167,272,920	1,439,621,096	44
2009	32,264,262	24,782,302	7.13	190	2,351,154,567	1,567,806,257	49
2010	28,637,988	25,213,445	6.22	190	2,483,194,375	1,722,333,910	60
2011	28,817,066	25,674,681	6.15	193	2,636,321,089	1,830,882,782	64
2012	30,309,069	26,059,203	6.37	195	2,632,196,651	1,739,952,891	57
2013	30,569,741	26,448,193	6.33	197	2,786,237,795	1,880,790,197	62
2014	32,371,574	26,956,958	6.58	198	2,867,269,225	1,939,340,177	60

*Using the Texas definition of MSW described on page 9 of this report

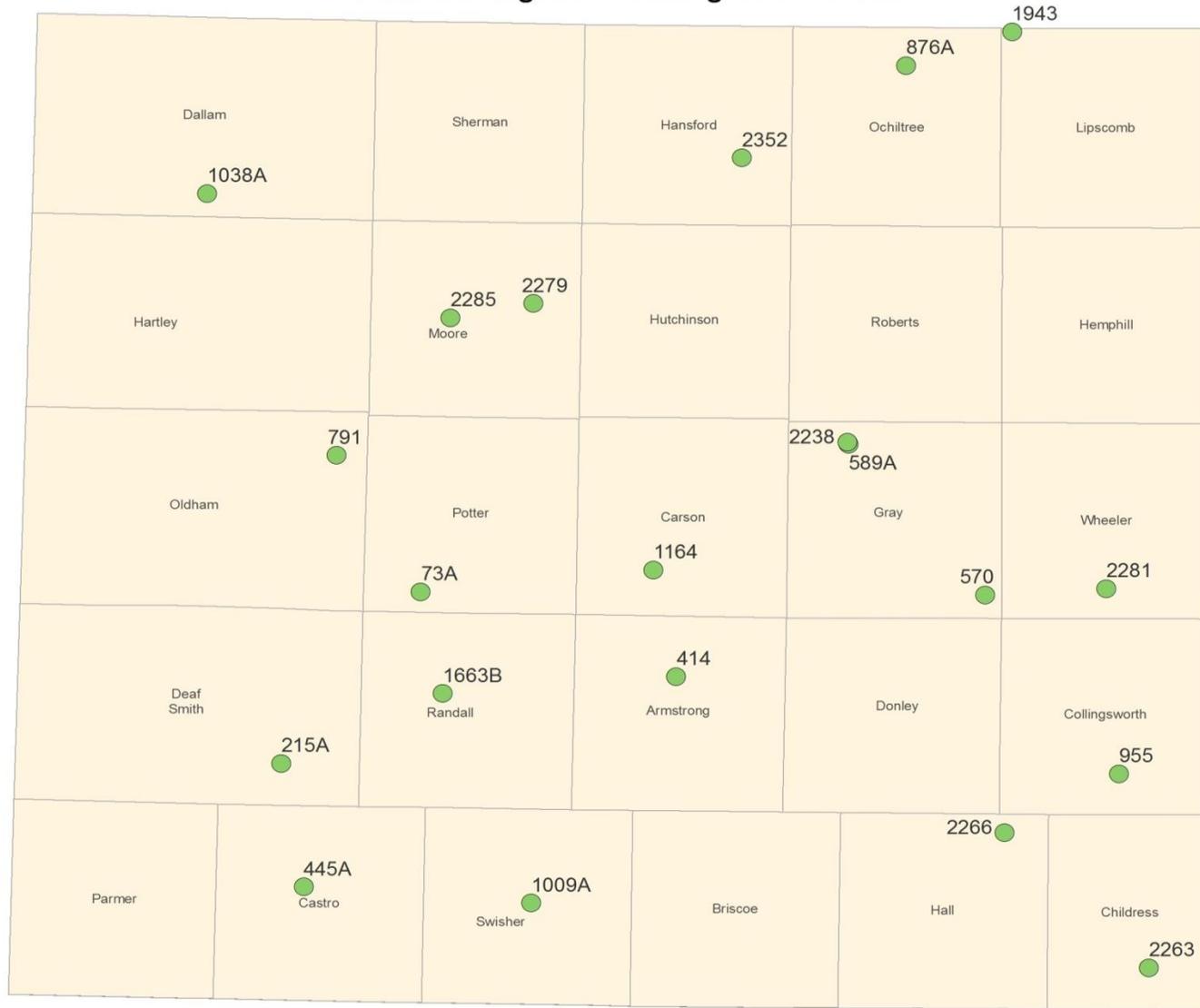
Facility Data for MSW Landfills

The maps and tables included in this section represent the active MSW landfill data reported for 2014. The maps and tables are organized by COG region and county. All values were rounded to the nearest whole number.

Key for Landfill Data Tables

Column Heading	Description
Type	Facility types are identified by Arabic numbers with applicable abbreviations (e.g., 1AE) in the agency database
2014 Tons	Total Tons Landfilled in Fiscal Year 2014
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 (facility's reported data, which is either an estimate where appropriate or on permit volumes and compacted waste acceptance rates)
NA	Not applicable

1: Panhandle Regional Planning Commission



PANHANDLE REGIONAL PLANNING COMMISSION

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
1	414	Claude Armstrong County Landfill	Armstrong	4AE	2,148	232,013	500	58,003	27
1	1164	City of Panhandle Landfill	Carson	1AE	2,601	719,366	750	269,762	104
1	445A	City of Dimmitt Landfill	Castro	1AE	3,575	1,186,011	750	444,754	124
1	2263	City of Childress Landfill	Childress	1AE&4AE	4,586	2,399,576	800	959,830	121
1	955	City of Wellington Landfill	Collingsworth	1AE	4,767	492,884	800	197,153	41
1	1038A	City of Dalhart Landfill	Dallam	1AE&4AE	9,076	1,293,470	785	507,687	56
1	215A	City of Hereford Landfill	Deaf Smith	4AE	4,202	290,380	850	123,412	25
1	570	City of Mclean Landfill	Gray	1AE	963	548,066	800	219,226	7
1	589A	City of Pampa Landfill	Gray	4AE	2,260	452,778	1000	226,389	100
1	2238	City of Pampa Landfill	Gray	1	52,419	8,751,703	1320	5,776,124	110
1	2266	City of Memphis Landfill	Hall	1AE	6,232	970,837	800	388,335	62
1	2352	City of Spearman Landfill	Hansford	1AE	3,349	1,047,020	850	444,983	75
1	1943	City of Booker Landfill	Lipscomb	1AE	1,674	449,399	850	190,995	58
1	2279	City of Dumas Landfill	Moore	1	13,415	8,218,018	1000	4,109,009	116
1	2285	City of Dumas Landfill	Moore	4AE	2,475	258,928	800	103,571	3
1	876A	Perryton Landfill	Ochiltree	1AE	6,467	1,361,040	890	605,663	93
1	791	Cal Farleys Boys Ranch Landfill	Oldham	4AE	500	131,100	400	26,220	47
1	73A	City of Amarillo Landfill	Potter	1	267,902	69,973,457	800	27,989,383	104
1	1663B	Southwest Landfill TX	Randall	1	166,708	3,219,742	1497	2,409,977	14
1	1009A	City of Tulia Landfill	Swisher	1AE&4AE	4,905	776,705	850	330,100	60
1	2281	City of Shamrock Landfill	Wheeler	1AE	5,078	297,693	800	119,077	22

2: South Plains Association of Governments



3: Nortex Regional Planning Commission



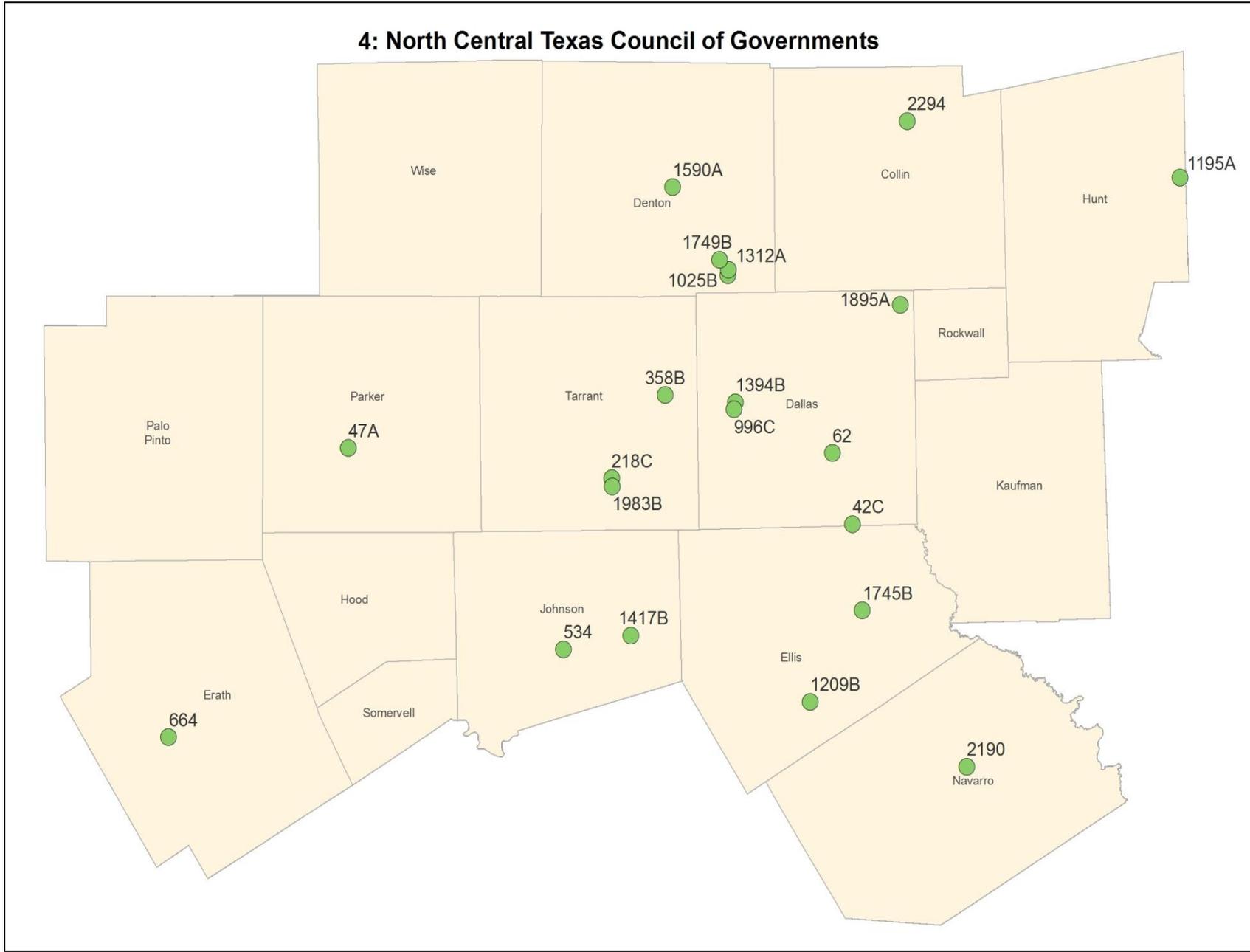
SOUTH PLAINS ASSOCIATION OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
2	564	City of Muleshoe Landfill	Bailey	4AE	1,975	166,617	800	66,647	33
2	2291	City of Muleshoe Landfill	Bailey	1AE	6,929	467,513	800	187,005	26
2	2268	Morton Landfill	Cochran	4AE	88	805,413	400	161,083	112
2	2207	City of Floydada Landfill	Floyd	1AE&4AE	6,256	855,868	830	355,185	69
2	2227	City of Post Landfill	Garza	1AE&4AE	4,560	174,780	650	56,804	12
2	2157	City of Plainview Landfill	Hale	1	22,458	10,051,296	519	2,608,311	116
2	1733	City of Sundown Landfill	Hockley	4AE	342	226,669	850	96,334	150
2	363A	City of Amherst Landfill	Lamb	4AE	54	50,828	400	10,166	61
2	583A	City of Olton Landfill	Lamb	1AE	10,578	858,263	666	285,802	29
2	1298	City of Littlefield Landfill	Lamb	4AE	2,141	295,039	1400	206,527	20
2	2274	Littlefield Municipal Landfill	Lamb	1AE	6,423	1,284,112	1400	898,878	100
2	69	City of Lubbock Landfill	Lubbock	1	35,238	607,583	917	278,577	8
2	2252	City of Lubbock West Texas Regional Disposal Facility	Lubbock	1	287,883	106,845,917	1222	65,282,855	227
2	2323	C & D Waste Landfill	Lubbock	4	70,361	3,190,418	666	1,062,409	15
2	2328A	City of Tahoka Landfill	Lynn	1AE	10,683	900,054	850	382,523	52
2	549A	City of Matador Landfill	Motley	1AE	3,228	489,156	800	195,662	72
2	2170	City of Brownfield Landfill	Terry	1	11,387	4,415,269	894	1,973,625	173
2	2293	City of Meadow Landfill	Terry	1AE	14,133	1,143,987	800	457,595	25
2	2217	Yoakum County Landfill	Yoakum	1AE&4AE	9,575	1,948,166	800	779,266	81

NORTEX REGIONAL PLANNING COMMISSION

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
3	9003	City of Quanah Landfill	Hardeman	Monofill	461	5,080	NA	1,575	NA
3	1428A	City of Wichita Falls Landfill	Wichita	1	121,494	69,092,588	1040	35,928,146	296
3	1571A	IESI Buffalo Creek Landfill	Wichita	1	147,795	29,435,379	1240	18,249,935	123

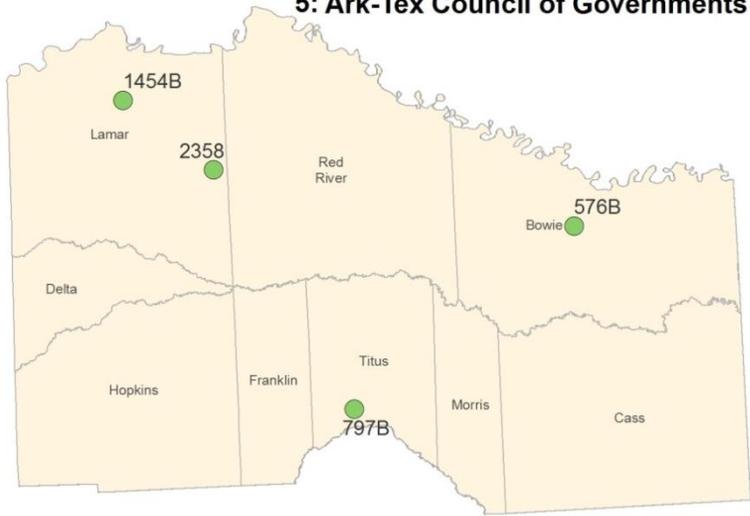
4: North Central Texas Council of Governments



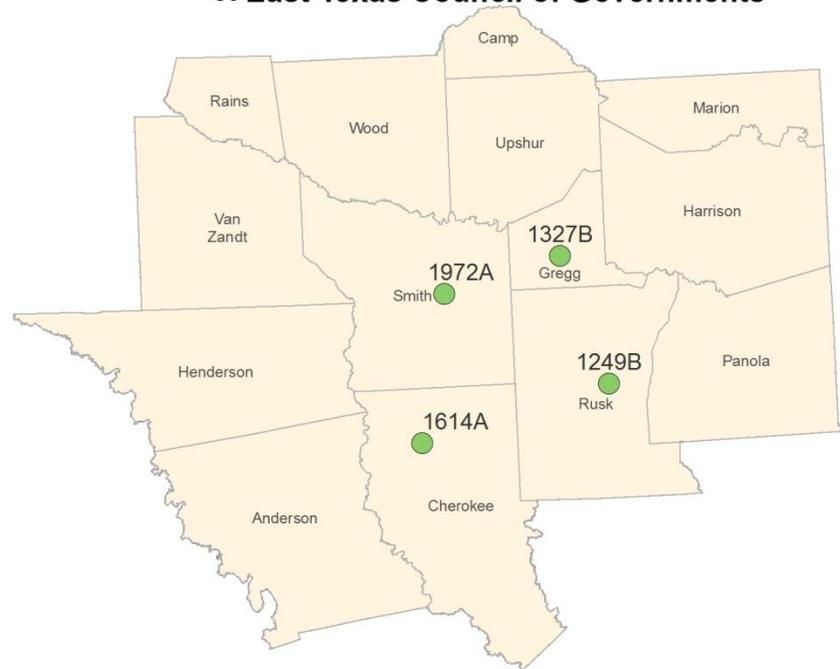
NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
4	2294	121 Regional Disposal Facility	Collin	1	816,479	122,038,282	1079	65,839,653	81
4	62	City of Dallas McCommas Bluff Landfill	Dallas	1	1,872,789	92,122,021	1415	65,176,330	45
4	996C	City of Grand Prairie Landfill	Dallas	1	167,972	12,290,455	1030	6,329,584	41
4	1394B	Hunter Ferrell Landfill	Dallas	1	162,787	14,313,475	1480	10,591,972	65
4	1895A	Charles M Hinton Jr Regional Landfill	Dallas	1	389,836	33,919,825	1200	20,351,895	48
4	1025B	DFW Recycling And Disposal Facility	Denton	1	1,261,619	12,098,375	1780	10,767,554	9
4	1312A	Camelot Landfill	Denton	1	268,618	6,337,758	1969	6,239,523	23
4	1590A	City of Denton Landfill	Denton	1	191,250	10,827,752	1002	5,424,704	28
4	1749B	Lewisville Landfill	Denton	4	187,906	21,376,601	1657	17,710,514	94
4	42C	Waste Management Skyline Landfill	Ellis	1	1,207,134	29,407,161	1440	21,173,156	18
4	1209B	CSC Disposal And Landfill	Ellis	1	68,462	30,977,594	2362	36,584,539	534
4	1745B	Ellis County Landfill	Ellis	1	57,966	39,763,923	1512	30,061,526	519
4	664	City of Stephenville Landfill	Erath	4	7,407	927,373	850	394,134	53
4	1195A	Republic Maloy Landfill	Hunt	1	97,800	5,966,706	1443	4,304,978	27
4	534	City of Cleburne Landfill	Johnson	1	428	22,139	1000	11,070	26
4	1417B	IESI Turkey Creek Landfill	Johnson	1	484,321	9,353,436	1575	7,365,831	15
4	2190	City of Corsicana Landfill	Navarro	1	102,126	23,703,074	1000	11,851,537	107
4	47A	IESI Weatherford Landfill	Parker	1	200,857	2,283,075	1300	1,483,999	7
4	218C	City of Fort Worth South East Landfill	Tarrant	1	529,776	26,085,236	1744	22,746,326	43
4	358B	City of Arlington Landfill	Tarrant	1	806,546	53,247,654	1454	38,711,044	48
4	1983B	IESI Fort Worth C And D Landfill	Tarrant	4	356,826	3,903,793	1560	3,044,959	9

5: Ark-Tex Council of Governments



6: East Texas Council of Governments



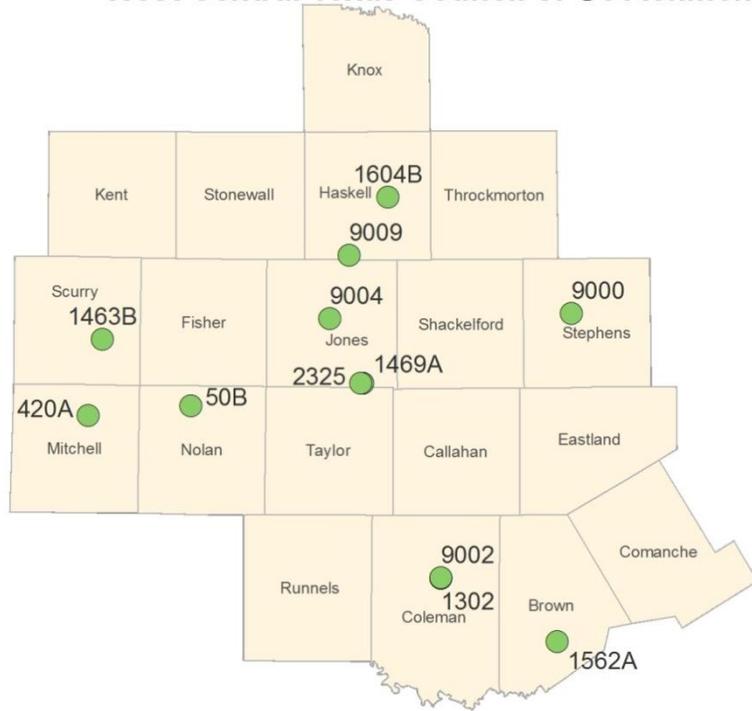
ARK-TEX COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
5	576B	New Boston Landfill	Bowie	1	117,420	1,092,360	1120	611,722	6
5	1454B	Paris Landfill	Lamar	1	2,539	16,846,987	1300	10,950,542	410
5	2358	Blossom Prairie Landfill	Lamar	1	177,978	76,678,293	1000	38,339,147	215
5	797B	Pleasant Oaks Landfill	Titus	1	72,530	19,868,899	1812	18,001,222	248

EAST TEXAS COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
6	1614A	Royal Oaks Landfill	Cherokee	1	73,618	2,511,308	1679	2,108,243	29
6	1327B	Pinehill Landfill	Gregg	1	190,114	15,916,410	1871	14,889,802	78
6	1249B	IESI East Texas Regional Landfill	Rusk	1	128,284	9,898,358	1450	7,176,310	56
6	1972A	Greenwood Farms Landfill	Smith	1	209,322	105,896,419	1802	95,412,674	456

7: West Central Texas Council of Governments



8: Rio Grande Council of Governments



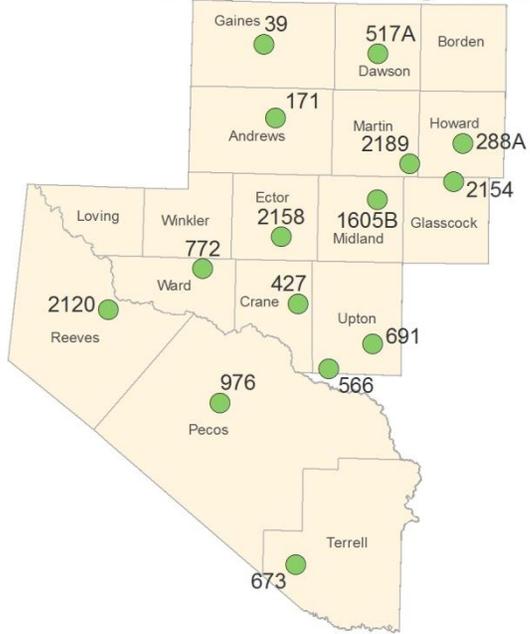
WEST CENTRAL TEXAS COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
7	1562A	Brownwood Regional Landfill	Brown	1	80,416	17,978,917	1100	9,888,404	106
7	1302	City of Coleman Landfill	Coleman	4AE	56	13,156	500	3,289	59
7	9002	City of Coleman Disposal Site	Coleman	Monofill	486	108,568	NA	33,656	NA
7	1604B	City of Haskell Landfill	Haskell	1AE	7,479	802,825	700	280,989	11
7	9009	City of Stamford Building Demolition Landfill	Haskell	Monofill	648	4,796,760	NA	1,486,996	NA
7	1469A	Abilene Landfill	Jones	1	160,198	89,388,113	1405	62,795,149	392
7	2325	Abilene Environmental Landfill	Jones	1	271,816	19,069,141	1600	15,255,313	56
7	9004	City of Anson Abandoned And Nuisance Building Disposal Site	Jones	Monofill	1,300	4,796,760	NA	1,486,996	NA
7	420A	Colorado City Municipal Landfill	Mitchell	1AE&4AE	2,138	260,158	700	91,055	13
7	50B	City of Sweetwater Landfill	Nolan	4AE	4,387	190,631	400	38,126	4
7	1463B	City of Snyder Landfill	Scurry	1	44,497	10,603,192	1000	5,301,596	119
7	9000	City of Breckenridge Monofill	Stephens	Monofill	1,778	221,992	NA	68,818	NA

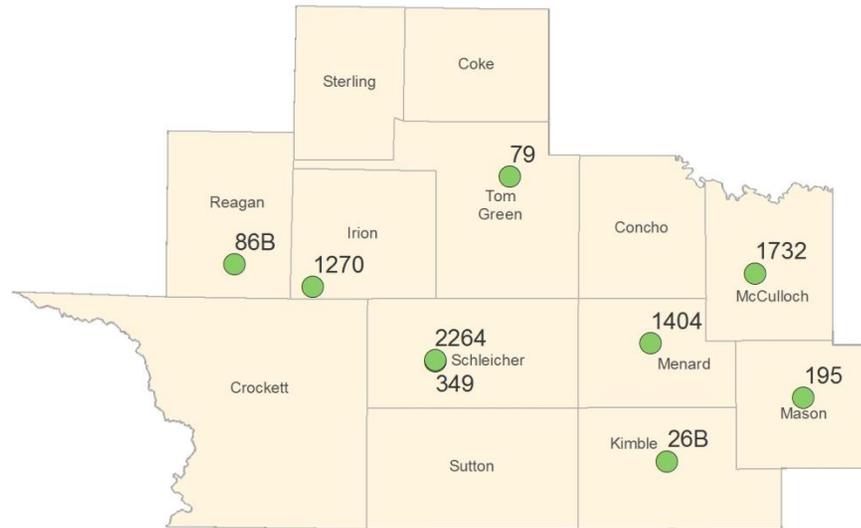
RIO GRANDE COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
8	1276	Panther Junction Landfill	Brewster	1AE	399	99,517	750	37,319	10
8	2197	City of Alpine Landfill	Brewster	1AE	12,825	3,235,017	329	532,160	39
8	729B	City of El Paso Landfill	El Paso	1	3	63,469,381	1200	38,081,629	25
8	1422	Fort Bliss Landfill	El Paso	1	1,101	69,773	1191	41,550	31
8	2284	Greater El Paso Landfill	El Paso	1	408,101	19,716,464	1231	12,135,484	23
8	495	Hudspeth County Dell City Landfill	Hudspeth	1AE&4AE	1,261	199,661	850	84,856	19
8	957A	Hudspeth County Sierra Blanca	Hudspeth	1AE&4AE	4,628	1,292,362	850	549,254	63
8	1737A	City of Presidio Landfill	Presidio	1AE	5,331	684,664	400	136,933	33

9: Permian Basin Regional Planning Commission



10: Concho Valley Council of Governments



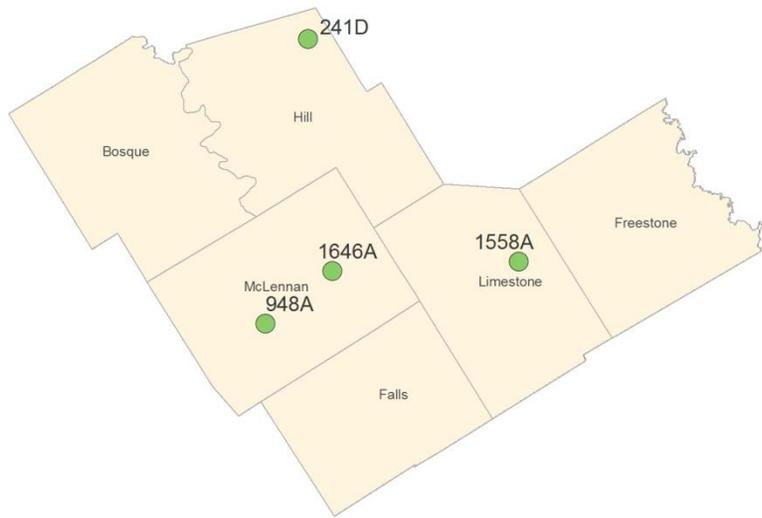
PERMIAN BASIN REGIONAL PLANNING COMMISSION

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
9	171	City of Andrews Landfill	Andrews	1AE&4AE	14,709	976,074	850	414,831	28
9	427	City of Crane	Crane	1AE&4AE	3,996	357,485	700	125,120	31
9	517A	City of Lamesa Landfill	Dawson	1	13,111	1,498,194	1123	841,236	64
9	2158	Odessa Landfill	Ector	1	311,871	32,800,517	1448	23,747,574	76
9	39	City of Seminole Landfill	Gaines	1AE&4AE	13,951	1,661,053	750	622,895	50
9	2154	Glasscock County Landfill	Glasscock	1AE	878	60,453	250	7,557	9
9	288A	City of Big Spring Landfill	Howard	1	34,108	539,011	1135	305,889	9
9	2189	City of Stanton Landfill	Martin	1AE	5,873	553,183	1000	276,591	47
9	1605B	City of Midland Landfill	Midland	1	249,234	33,442,788	1189	19,881,737	47
9	976	City of Fort Stockton Landfill	Pecos	1AE&4AE	8,456	264,915	800	105,966	8
9	2120	City of Pecos Landfill	Reeves	1AE&4AE	15,534	811,030	850	344,688	25
9	673	Terrell County Landfill	Terrell	4AE	367	22,372	300	3,356	39
9	566	City of McCamey Landfill	Upton	4AE	2,613	1,233,155	750	462,433	7
9	691	Upton County Rankin Landfill	Upton	4AE	917	86,178	400	17,236	27
9	772	City of Monahans Landfill	Ward	1AE	10,682	1,013,995	850	430,948	29

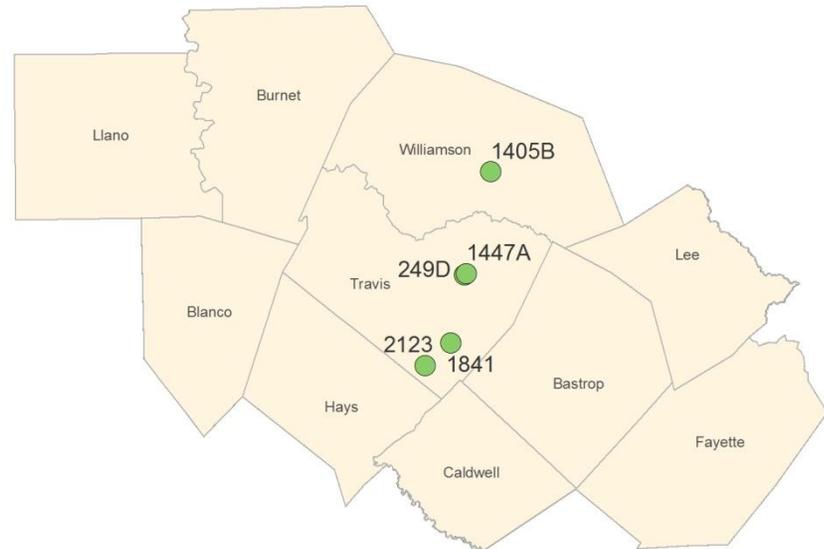
CONCHO VALLEY COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
10	1270	Barnhart Landfill	Irion	1AE	1,516	40,840	350	7,147	1
10	26	City of Junction Landfill	Kimble	4AE	2,700	225,958	1000	112,979	1
10	195	City of Mason Landfill	Mason	1AE	2,339	78,802	1000	39,401	11
10	1732	City of Brady Landfill	McCulloch	1AE&4AE	10,944	2,321,085	900	1,044,488	59
10	1404	City of Menard Landfill	Menard	4AE	56	12,091	850	5,139	40
10	86B	City of Big Lake Landfill	Reagan	1AE	5,300	38,206	733	14,002	85
10	349	City of Eldorado Landfill	Schleicher	4AE	1,293	555,061	1500	416,296	321
10	2264	City of Eldorado Landfill	Schleicher	1AE	6,146	1,360,076	1500	1,020,057	166
10	79	San Angelo Landfill	Tom Green	1	193,541	4,532,576	1052	2,384,135	12

11: Heart of Texas Council of Governments



12: Capital Area Council of Governments

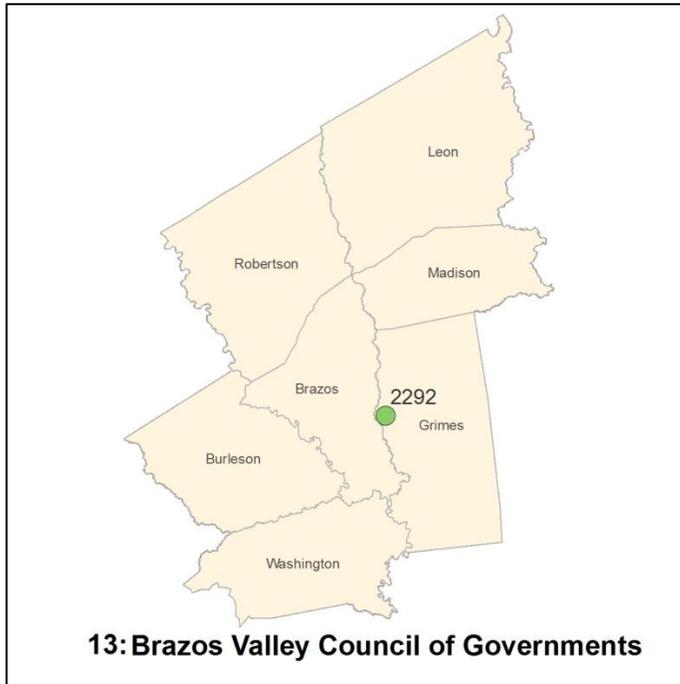


HEART OF TEXAS COUNCIL OF GOVERNMENTS

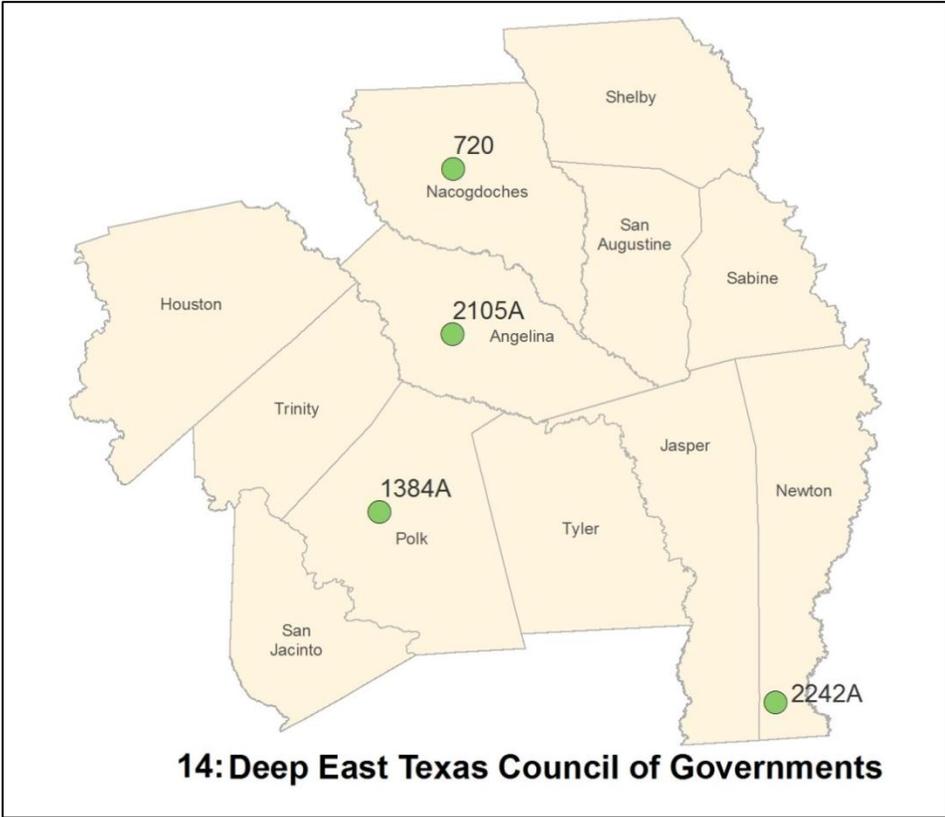
COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
11	241D	Itasca Landfill	Hill	1	214,173	49,025,890	1821	44,638,073	208
11	1558A	BFI Mexia Landfill	Limestone	1	28,753	7,796,898	1197	4,666,443	162
11	948A	City of Waco Landfill	McLennan	1	241,996	5,630,254	1049	2,953,068	12
11	1646A	Lacy-Lakeview Recycling And Disposal Facility	McLennan	1	83,603	1,234,582	1400	864,207	6

CAPITAL AREA COUNCIL OF GOVERNMENTS

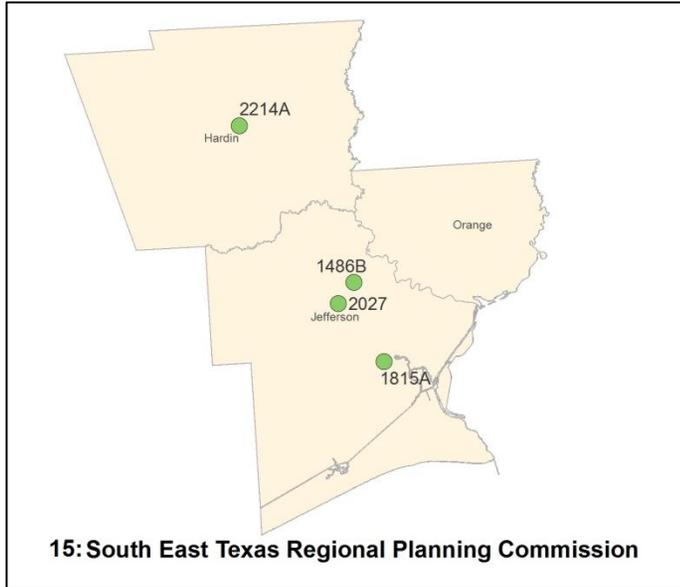
COG	Permit	Site Name	County	Type	2014 Tons	RemYds	Rate	RemTons	RemYrs
12	249D	Austin Community Recycling & Disposal Facility	Travis	1	255,112	13,200,131	1480	9,768,097	17
12	1447A	BFI Sunset Farms Landfill	Travis	1	666,843	6,566,576	1386	4,550,637	1
12	1841	IESI Travis County Landfill	Travis	4	201,942	2,073,660	1450	1,503,404	7
12	2123	Texas Disposal Systems Landfill	Travis	1	692,106	23,904,717	1360	16,255,208	25
12	1405B	Williamson County Recycling And Disposal Facility	Williamson	1	288,059	60,871,955	1500	45,653,966	118



13: Brazos Valley Council of Governments



14: Deep East Texas Council of Governments



15: South East Texas Regional Planning Commission

BRAZOS VALLEY COUNCIL OF GOVERNMENTS

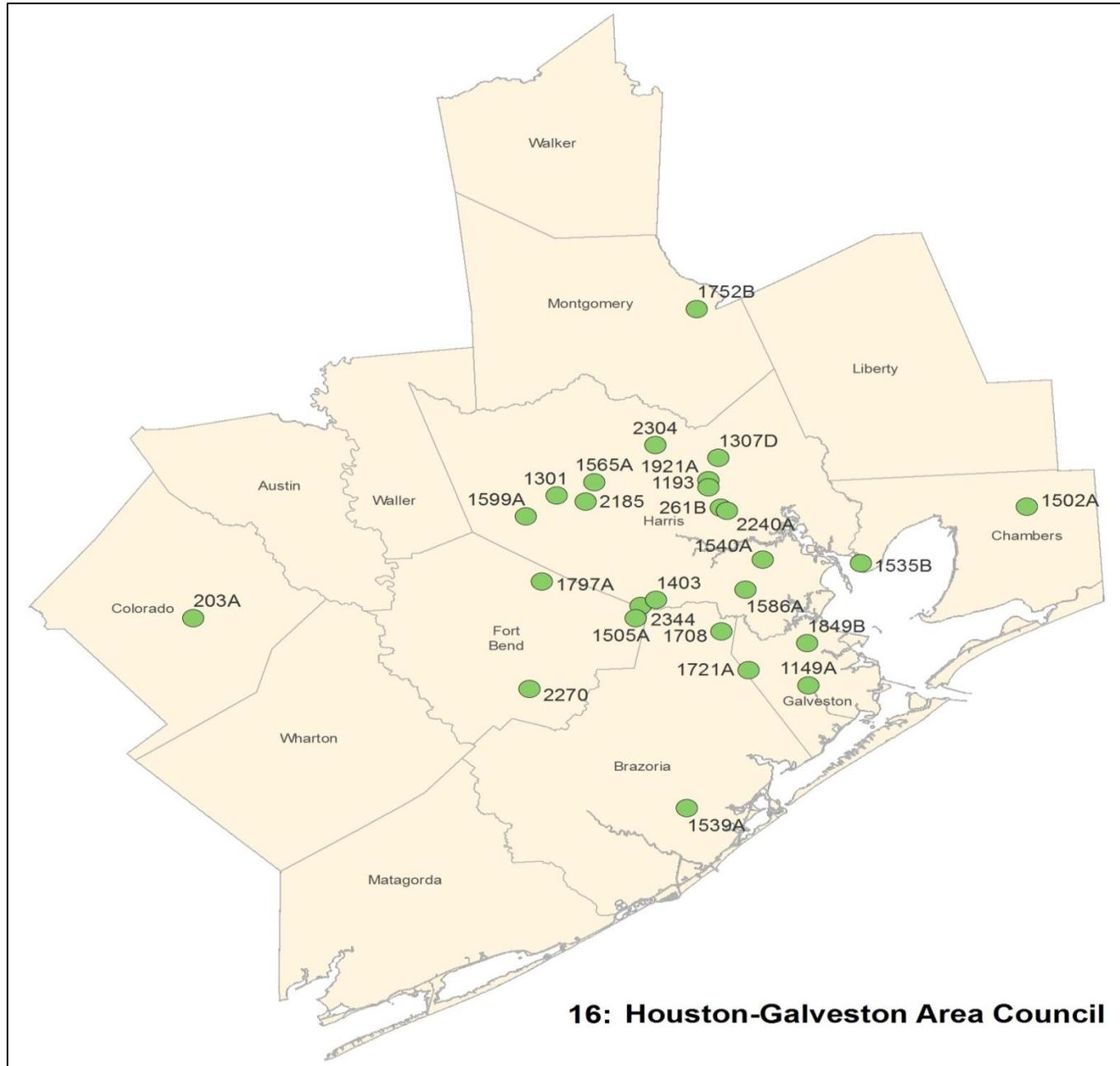
COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
13	2292	Twin Oaks Landfill	Grimes	1	309,870	35,660,592	1295	23,090,233	77

DEEP EAST TEXAS REGIONAL PLANNING COMMISSION

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
14	2105A	Angelina County Waste Management Center	Angelina	1	99,408	3,884,748	1200	2,330,849	23
14	720	City of Nacogdoches Landfill	Nacogdoches	1	63,399	3,203,559	1475	2,362,625	33
14	2242A	Western Waste of Texas Newton Complex	Newton	1	203,697	42,990,191	1600	34,392,153	168.8
14	1384A	Polk County Landfill	Polk	1	116,090	8,341,494	1429	5,959,997	50

SOUTHEAST TEXAS REGIONAL PLANNING COMMISSION

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
15	2214A	IESI Hardin County Landfill	Hardin	1	53,656	1,076,351	1220	656,574	12
15	1486B	City of Beaumont Landfill	Jefferson	1	226,017	18,994,825	1191	11,311,418	50
15	1815A	City of Port Arthur Landfill	Jefferson	1	114,753	15,817,361	1159	9,166,161	80
15	2027	BFI Golden Triangle Landfill	Jefferson	1	265,782	8,436,445	2202	9,288,526	34



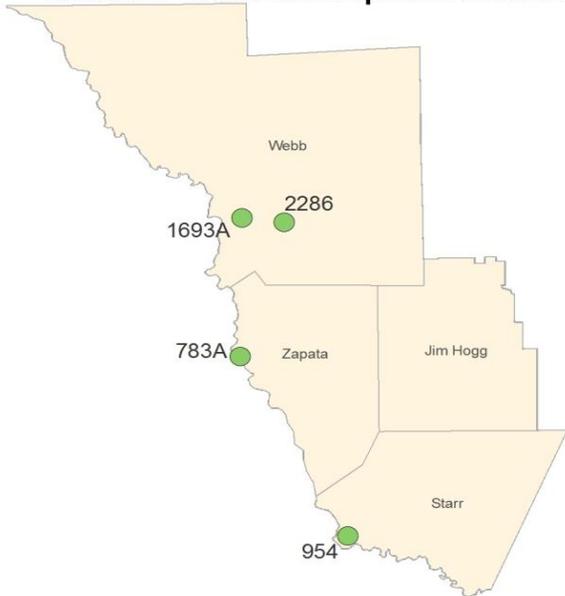
HOUSTON-GALVESTON AREA COUNCIL

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
16	1539A	Seabreeze Environmental Landfill	Brazoria	1	800,184	24,882,110	1759	21,883,816	28
16	1708	Dixie Farm Road Landfill	Brazoria	4	38,598	2,175,309	880	957,136	23
16	1502A	Chambers County Landfill	Chambers	1	24,239	17,602,770	1200	10,561,662	436
16	1535B	Baytown Landfill	Chambers	1	314,175	10,098,760	1650	8,331,477	27
16	203A	Altair Disposal Services Landfill	Colorado	1	28,561	768,434	1200	461,060	16
16	1505A	Blue Ridge Landfill	Fort Bend	1	811,484	148,581,090	1392	103,412,439	111
16	1797A	Sprint Fort Bend County Landfill	Fort Bend	4	339,449	15,595,064	1060	8,265,384	24
16	2270	Fort Bend Regional Landfill	Fort Bend	1	896,879	39,604,370	1750	34,653,824	39
16	1149A	Galveston County Landfill	Galveston	1	402,381	16,532,440	1343	11,101,533	24
16	1721A	Coastal Plains Recycling And Disposal Facility	Galveston	1	488,307	13,400,372	1840	12,328,342	25
16	1849B	North County Landfill	Galveston	4	18	3,689,474	2130	3,929,290	50
16	261B	McCarty Road Landfill	Harris	1	1,809,396	25,002,985	2159	26,990,722	14
16	1193	Whispering Pines Landfill	Harris	1	8	10,902,373	2000	10,902,373	10
16	1301	Addicks Fairbanks Landfill	Harris	4	66,572	617,661	1304	402,715	5
16	1307D	Atascocita Recycling And Disposal Facility	Harris	1	1,111,277	42,932,707	1800	38,639,436	35
16	1403	Casco Hauling And Excavation Landfill	Harris	4	51,124	1,764,431	900	793,994	16
16	1540A	Greenshadows Landfill	Harris	4	102,908	2,881,002	1700	2,448,852	24
16	1565A	Fairbanks Landfill	Harris	4	16	51,060	1240	31,657	22
16	1586A	WCT Greenbelt Landfill	Harris	4	113,830	3,534,742	1500	2,651,057	23
16	1599A	Greenhouse Road Landfill	Harris	4	88,028	6,160,984	1500	4,620,738	19
16	1921A	Cougar Landfill	Harris	4	32,600	69,413	1224	42,481	1
16	2185	Hawthorn Park Landfill	Harris	4	218,530	807,745	1600	646,196	3
16	2240A	Ralston Road Landfill	Harris	4	98,679	926,731	1500	695,048	7
16	2304	Tall Pines Landfill	Harris	4	312,273	3,158,785	1500	2,369,089	8
16	2344	Lone Star Recycling & Disposal	Harris	4	228,650	12,799,516	1000	6,399,758	32
16	1752B	Security Landfill	Montgomery	1	402,256	14,206,923	1700	12,075,885	30

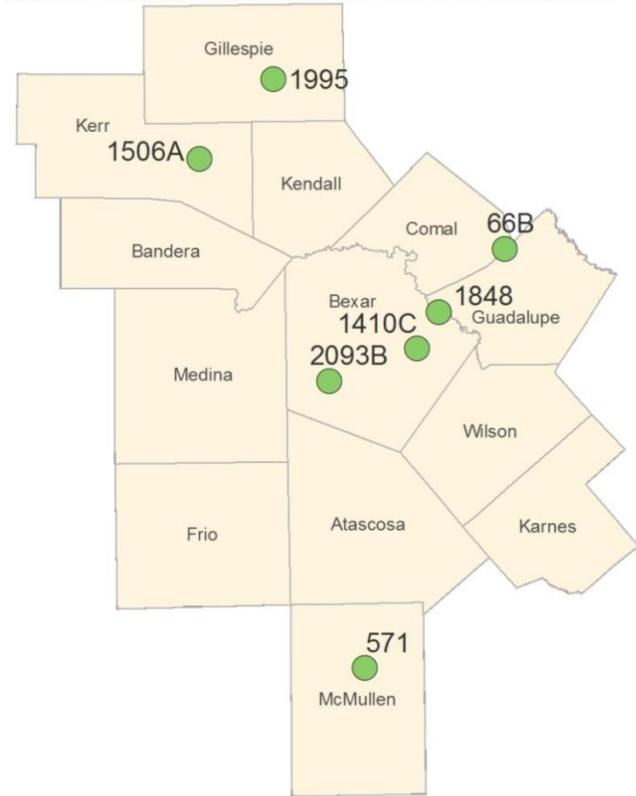
17: Golden Crescent Regional Planning Commission



19: South Texas Development Council



18: Alamo Area Council of Governments



GOLDEN CRESCENT REGIONAL PLANNING COMMISSION

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
17	1522A	City of Victoria Landfill	Victoria	1	141,657	7,827,730	1366	5,346,340	26

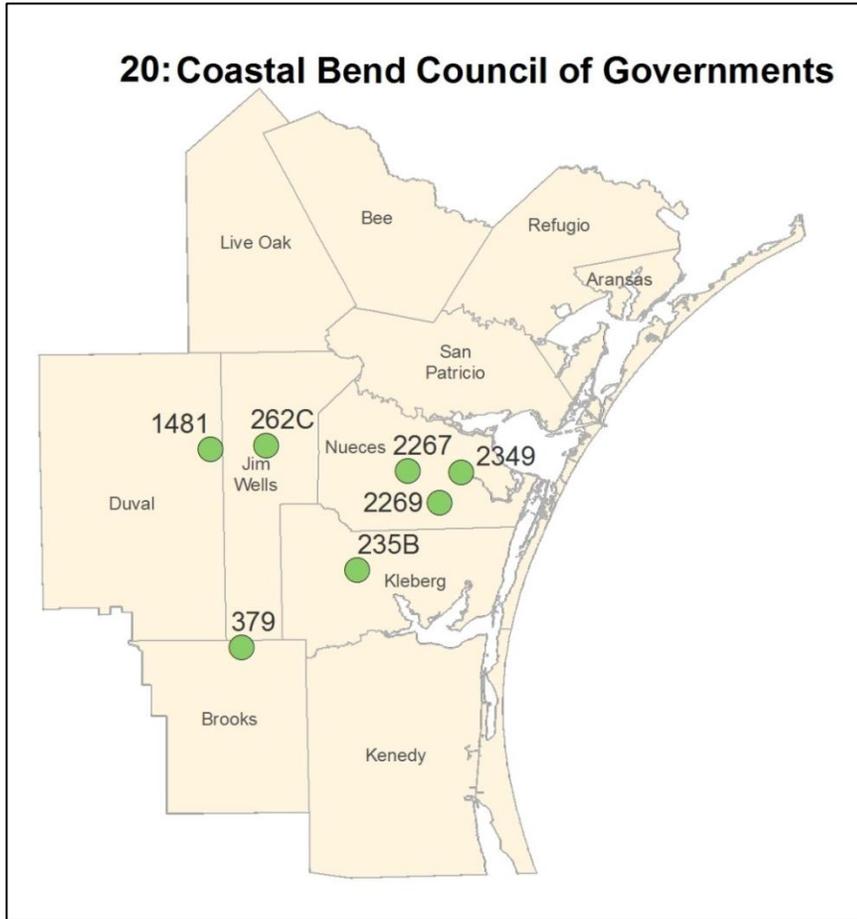
ALAMO AREA COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
18	1410C	BFI Waste Tessman Road Landfill	Bexar	1	769,862	74,086,499	1509	55,898,263	42
18	2093B	Covel Gardens Landfill	Bexar	1	1,511,956	107,420,330	1800	96,678,297	85
18	66B	Mesquite Creek Landfill	Comal	1	368,476	12,469,358	1412	8,803,367	23
18	1995	City of Fredericksburg Landfill	Gillespie	1	31,712	1,757,718	1180	1,037,054	33
18	1848	Beck Landfill	Guadalupe	4	274,800	6,088,540	1300	3,957,551	17
18	1506A	City of Kerrville Landfill	Kerr	1	8,272	706,331	3000	1,059,497	66
18	571	McMullen County	McMullen	1AE	500	11,335	750	4,251	9

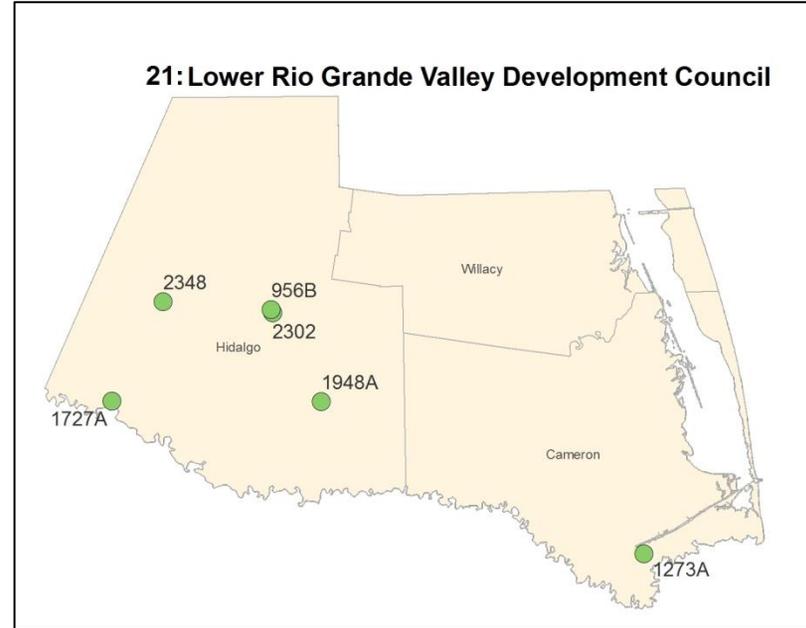
SOUTH TEXAS DEVELOPMENT COUNCIL

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
19	954	City of Roma Landfill	Starr	1AE	4,773	50,101	850	21,293	5
19	1693A	City of Laredo Landfill	Webb	1	325,524	4,492,988	1296	2,911,456	9
19	2286	Ponderosa Regional Landfill	Webb	1	27,369	88,197,788	1060	46,744,828	94
19	783A	San Ygnacio Landfill	Zapata	1AE&4AE	2,146	298,651	1000	149,326	36

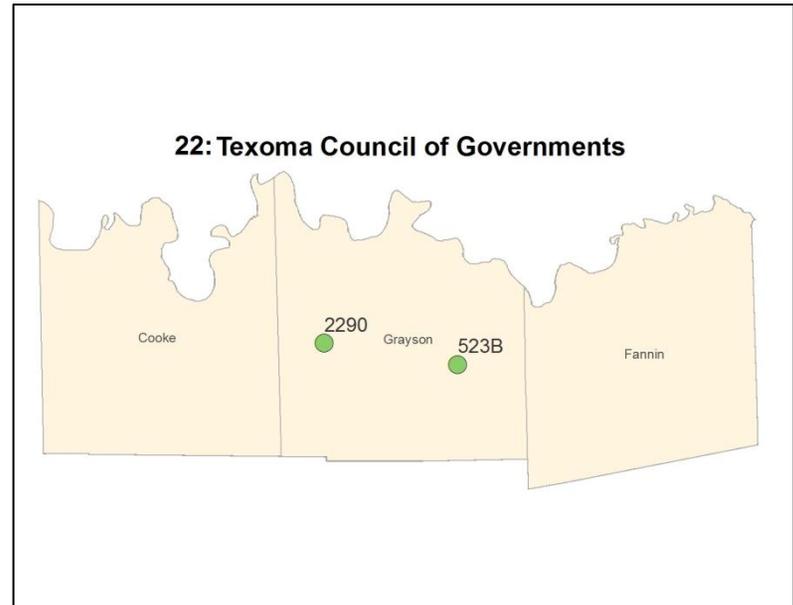
20: Coastal Bend Council of Governments



21: Lower Rio Grande Valley Development Council



22: Texoma Council of Governments



COASTAL BEND COUNCIL OF GOVERNMENTS

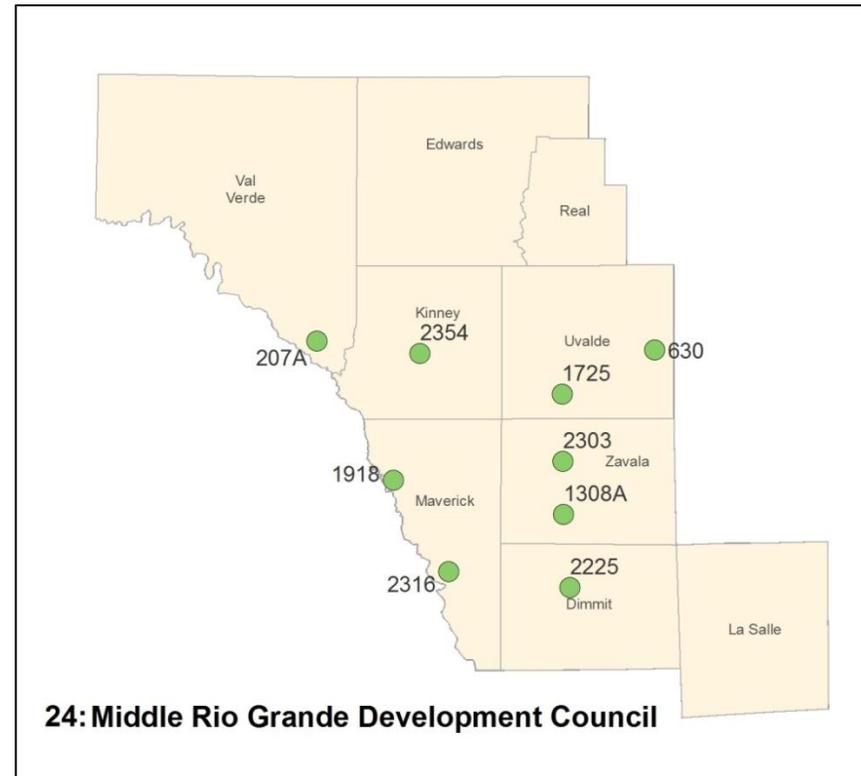
COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
20	379	Brooks County	Brooks	4AE	293	296,679	400	59,336	28
20	1481	Duval County Landfill	Duval	4AE	2,870	30,606	800	12,242	6
20	262C	City of Alice Landfill	Jim Wells	1	43,304	902,372	1200	541,423	13
20	235B	City of Kingsville Landfill	Kleberg	1	29,872	3,274,155	827	1,353,863	46
20	2267	El Centro Landfill	Nueces	1	153,060	14,989,998	1792	13,431,038	59
20	2269	Cefe Valenzuela Landfill	Nueces	1	416,563	125,108,467	1175	73,501,224	100
20	2349	Gulley Hurst Landfill	Nueces	4	36,612	11,584,765	750	4,344,287	94

LOWER RIO GRANDE VALLEY DEVELOPMENT COUNCIL

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
21	1273A	City of Brownsville Municipal Landfill	Cameron	1	266,831	28,886,472	1486	21,462,649	46
21	956B	City of Edinburg Landfill	Hidalgo	1	459,107	7,356,356	1215	4,468,986	9
21	1727A	Penitas Landfill	Hidalgo	1AE	6,476	65,058	1000	32,529	2
21	1948A	BFI Rio Grande Valley Regional Landfill	Hidalgo	1	1,226	125,612	1346	84,537	1
21	2302	City of Edinburg Landfill	Hidalgo	4	87,708	10,935,729	920	5,030,435	33
21	2348	La Gloria Ranch Landfill	Hidalgo	1	265,028	110,503,604	1002	55,362,306	346

TEXOMA COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
22	523B	Hillside Landfill	Grayson	1	59,622	11,651,358	1060	6,175,220	99
22	2290	TEXOMA Area Solid Waste Authority Disposal and Recycling Facility	Grayson	1	117,322	23,436,677	900	10,546,505	90



CENTRAL TEXAS COUNCIL OF GOVERNMENTS

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
23	692A	Temple Recycling And Disposal Facility	Bell	1	419,425	8,399,079	1400	5,879,355	13
23	1866	Fort Hood Landfill	Coryell	1	24,524	2,806,114	1100	1,543,363	32

MIDDLE RIO GRANDE VALLEY DEVELOPMENT COUNCIL

COG	Permit	Site Name	County	Type	2014 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
24	2225	City of Carrizo Springs Landfill	Dimmit	1AE	7,648	1,623,487	600	487,046	65
24	2354	Fort Clark Springs Association Landfill	Kinney	1AE	414	465,987	800	186,395	148
24	1918	City of Eagle Pass And Maverick Landfill	Maverick	4AE	2,671	1,142,834	750	428,563	25
24	2316	Maverick County Landfill	Maverick	1	51,524	11,623,657	980	5,695,592	70
24	630	City of Sabinal Landfill	Uvalde	4AE	9	3,550	400	710	7
24	1725	City of Uvalde Landfill	Uvalde	1	22,416	517,595	1000	258,798	13
24	207A	City of Del Rio Landfill	Val Verde	1	47,516	1,527,838	700	534,743	11
24	1308A	City of Crystal City Landfill	Zavala	1AE	3,940	1,446,908	850	614,936	157
24	2303	Zavala County Landfill	Zavala	1AE	3,827	162,347	550	44,645	22

Facility Data for MSW Processing Facilities

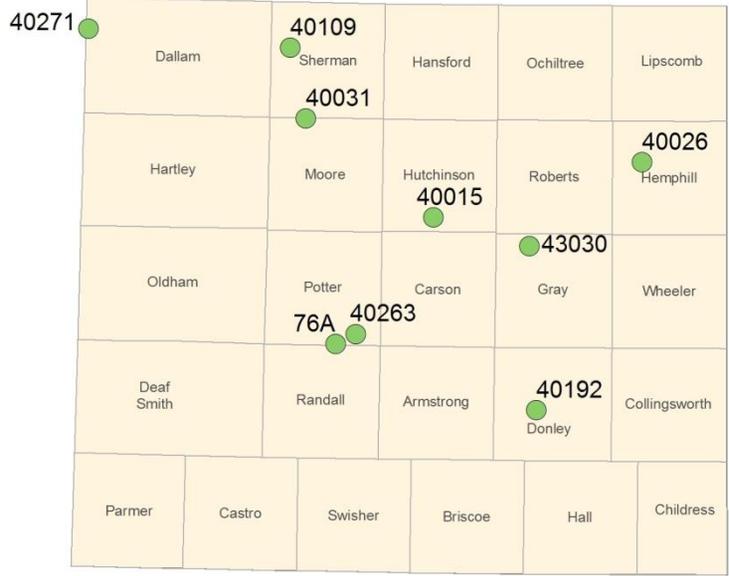
The maps and tables included in this section represent the active MSW processing facilities data reported for 2014. The maps and tables are organized by COG Region and county. All values are rounded to the nearest whole number.

Key for Processing Facilities Data Tables

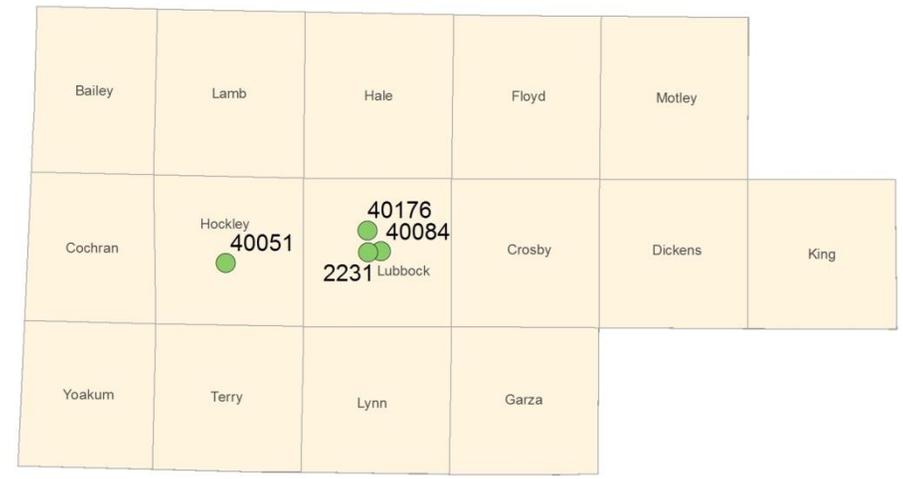
Type	Description
Type	Facility sub-types are identified by Arabic numbers with applicable abbreviations (e.g., 5TS) in the agency database
5AC	Medical waste autoclave facility
5GG	Liquid waste (i.e., grease trap waste, grit trap waste, sludge, septage) processing facility
5MW	Medical waste processor
5RC	Mixed waste composting facility
5RR	Materials recovery facility (MRF)
5TL	Liquid Transfer Station
5TS	Transfer station
5WI	Incinerator (no electrical power generation)

2014 Tons - Total tons handled in fiscal year 2014 in terms of major permitted activity (e.g., for a transfer station, total tons transferred; for an incinerator, total tons incinerated).

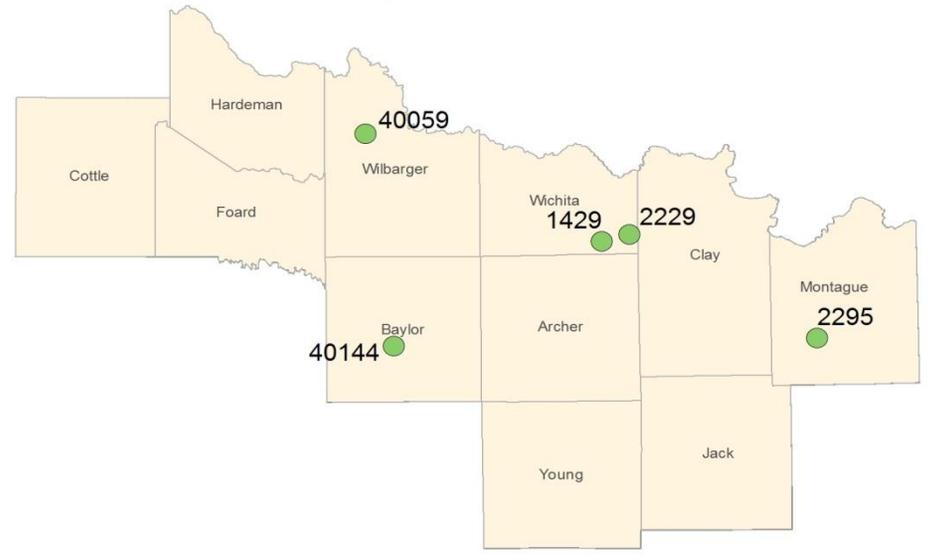
1: Panhandle Regional Planning Commission



2: South Plains Association of Governments



3: Nortex Regional Planning Commission



PANHANDLE REGIONAL PLANNING COMMISSION

COG	Permit/Registration	Site Name	County	Type	2014 Tons
1	40271	Tri-State Recycling	Dallam	5TS	592
1	40192	City of Clarendon Transfer Station	Donley	5TS	1,278
1	43030	City of Pampa Liquid Waste Processing Facility	Gray	5GG	867
1	40026	City of Canadian Transfer Station	Hemphill	5TS	6,442
1	40015	City of Borger Transfer Station	Hutchinson	5TS	16,249
1	40031	City of Cactus Transfer Station	Moore	5TS	1,513
1	76A	City of Amarillo Transfer Station	Potter	5TS	156,228
1	40263	Biocycle Medical Waste Processing Facility	Potter	5AC	144
1	40109	City of Stratford Transfer Station	Sherman	5TS	3,657

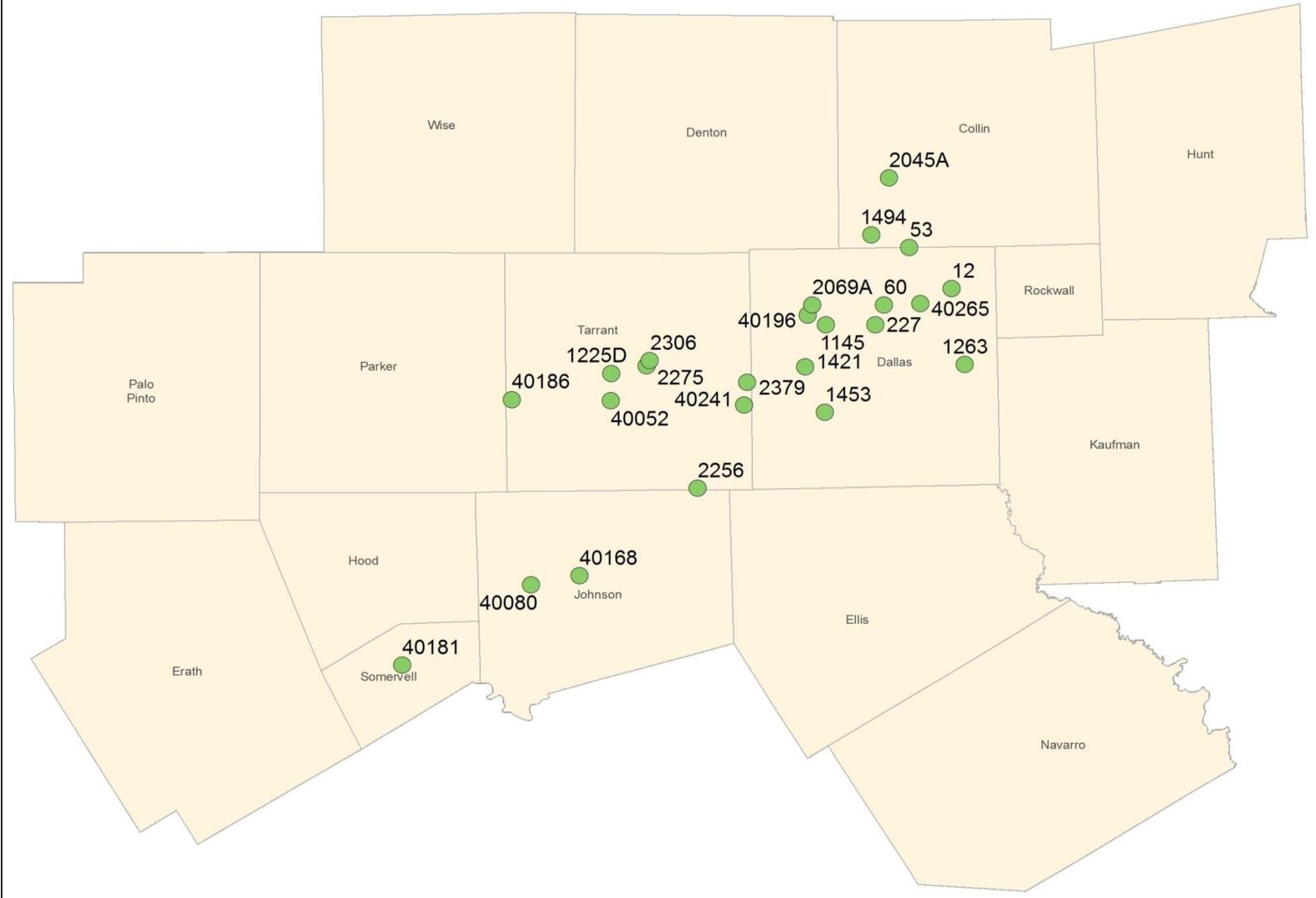
SOUTH PLAINS ASSOCIATION OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
2	40051	City of Levelland Transfer Station	Hockley	5TS	2,005
2	2231	Southwaste Disposal South Plains Facility	Lubbock	5GG	7,148
2	40084	Stericycle Lubbock Medical Waste Transfer Station	Lubbock	5TS	1,679
2	40176	Caliche Canyon Transfer Station	Lubbock	5TS	130

NORTEX REGIONAL PLANNING COMMISSION

COG	Permit/Registration	Site Name	County	Type	2014 Tons
3	40144	City of Seymour Transfer Station	Baylor	5TS	446
3	2295	IESI Bowie Transfer Station	Montague	5TS	41,394
3	1429	City of Wichita Falls Transfer Station	Wichita	5TS	73,040
3	2229A	IMC Waste Disposal Liquid Waste Processing Facility	Wichita	5GG	14,433
3	40059	City of Vernon Transfer Station	Wilbarger	5TS	17,852

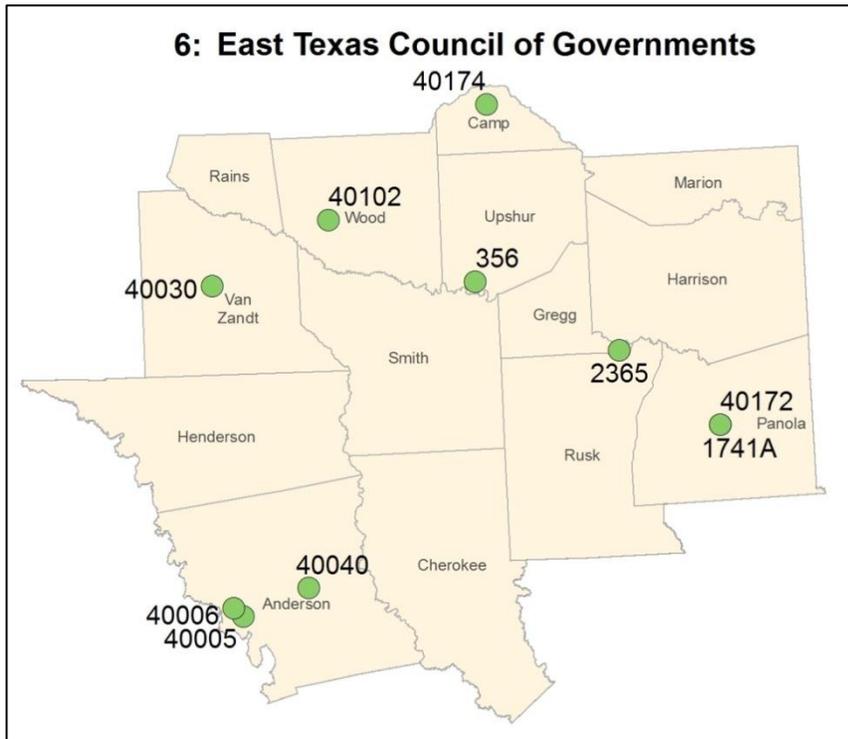
4: North Central Texas Council of Governments



NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
4	53	Lookout Drive Transfer Station	Collin	5TS	137,166
4	1494	Parkway Transfer Station	Collin	5TS	115,736
4	2045A	Custer Road Transfer Station	Collin	5TS	240,464
4	12	City of Garland Transfer Station	Dallas	5TS	109,712
4	60	City of Dallas Transfer Station - Fair Oaks Ave	Dallas	5TS	59,830
4	227	City of University Park Transfer Station	Dallas	5TS	14,483
4	1145	City of Dallas Transfer Station - Harry Hines Blvd	Dallas	5TS	134,814
4	1263	City of Mesquite Transfer Station	Dallas	5TS	46,789
4	1421	PSC Recovery Systems Liquid Waste Processing Facility	Dallas	5GG	45,240
4	1453	City of Dallas Transfer Station - Westmoreland Rd	Dallas	5TS	54,874
4	2069A	Liquid Environmental Solutions of TX Dallas Facility	Dallas	5GG	127,215
4	40196	Community Waste Disposal Transfer Station	Dallas	5TS	65,166
4	40265	Stericycle Garland Facility	Dallas	5AC	14,249
4	40080	Harrington Environmental Liquid Transfer Station	Johnson	5TL	4,100
4	40168	Cleburne Transfer Station	Johnson	5TS	47,497
4	40181	Somervell County Transfer Station	Somervell	5TS	1,019
4	1225D	Cold Springs Liquid Waste Processing Facility	Tarrant	5GG	66,350
4	2256	Southwest Disposal Dallas Facility	Tarrant	5GG	89,632
4	2275	North Texas Recycling Complex	Tarrant	5TS	15,059
4	2306	IESI Minnis Drive Transfer Station	Tarrant	5TS	14,096
4	2379	Liquitek Arlington Liquid Waste Processing Facility	Tarrant	5GG	45,732
4	40052	Southwest Paper Stock Transfer Station	Tarrant	5TS	21,818
4	40186	Westside Transfer Station	Tarrant	5TS	124,062
4	40241	Oncore Technology Facility	Tarrant	5MW	711

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



EAST TEXAS COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
6	40005	TDCJ Beto Transfer Station	Anderson	5TS	995
6	40006	TDCJ Coffield Transfer Station	Anderson	5TS	1,238
6	40040	Frontage Services Transfer Station	Anderson	5TS	35,763
6	40174	Pittsburgh Transfer Station	Camp	5TS	19,337
6	2365	Edwards Construction Facility	Gregg	5GG	5,611
6	1741A	Sharps Environmental Services Facility	Panola	5WI	1,064
6	40172	City of Carthage Transfer Station	Panola	5TS	13,026
6	356	Vital Earth Resources Composting Facility	Upshur	5RC	1,844
6	40030	City of Canton Transfer Station	Van Zandt	5TS	391
6	40102	Upper Sabine Valley Solid Waste Municipal District Transfer Station	Wood	5TS	11,415

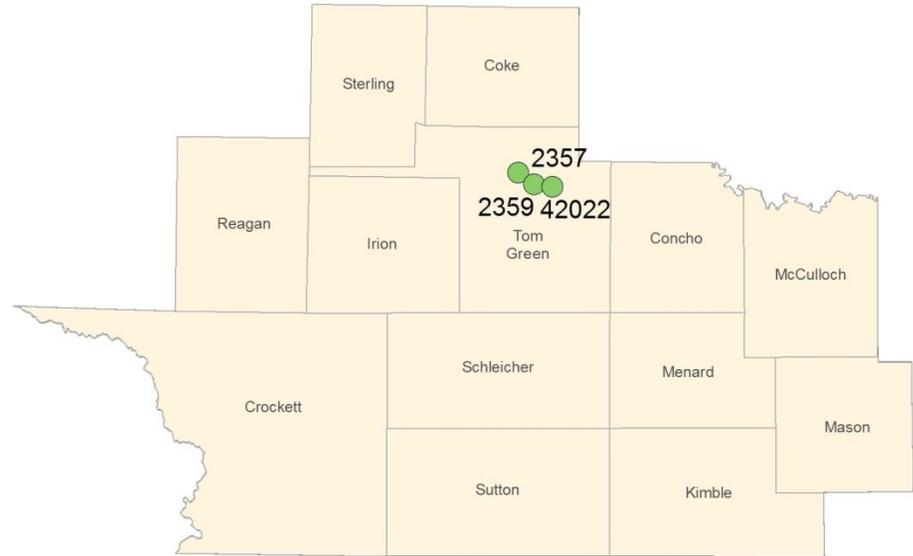
WEST CENTRAL TEXAS COUNCIL OF GOVERNMENTS (COG 7) – NO DATA AVAILABLE**RIO GRANDE COUNCIL OF GOVERNMENTS**

COG	Permit/Registration	Site Name	County	Type	2014 Tons
8	2355	Liquid Environmental Solutions of TX El Paso Facility	El Paso	5GG	15,591
8	40237	El Paso C&D Recycling Plant	El Paso	5RR	3,582
8	40261	Stericycle El Paso Medical Waste Transfer Station	El Paso	5TS	1,421
8	40262	Mediwaste Medical Waste Treatment Facility	El Paso	5AC	5
8	42038	Fort Bliss Bio Cell Facility	El Paso	5RC	40

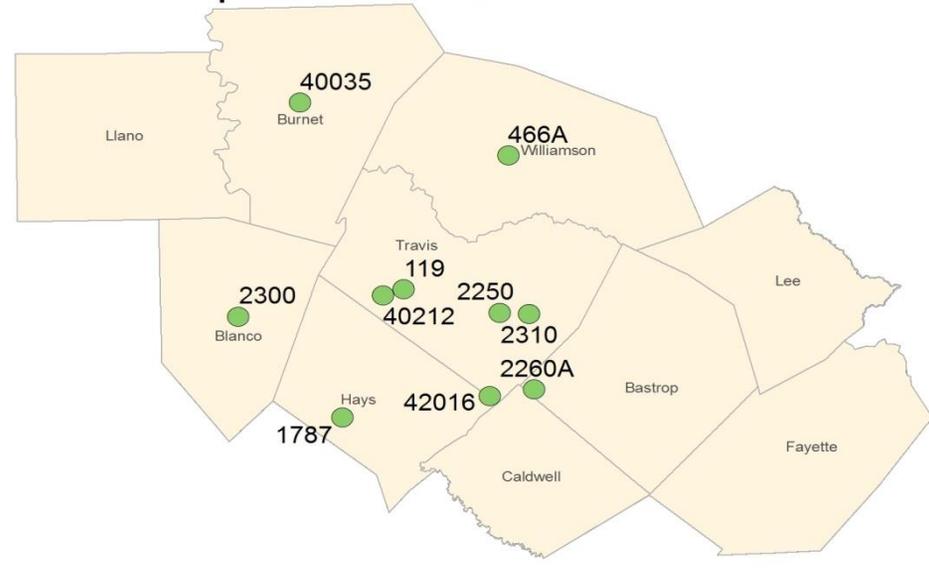
9: Permian Basin Regional Planning Commission



10: Concho Valley Council of Governments



12: Capital Area Council of Governments



PERMIAN BASIN REGIONAL PLANNING COMMISSION

COG	Permit/Registration	Site Name	County	Type	2014 Tons
9	2373	Affordable Dewatering Service	Midland	5GG	7,292
9	43028	City of Stockton Liquid Waste Processing Facility	Pecos	5GG	656

CONCHO VALLEY COUNCIL OF GOVERNMENTS

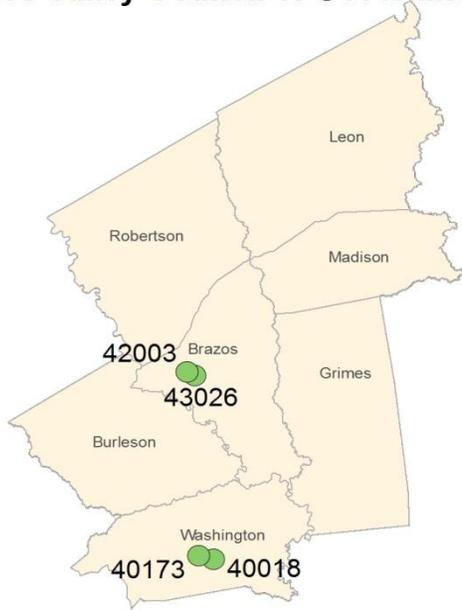
COG	Permit/Registration	Site Name	County	Type	2014 Tons
10	2357	San Angelo Pro Pump Dewatering & Compost Facility	Tom Green	5RC	93
10	2359	D's Recycling Facility	Tom Green	5RC	340
10	42022	Kickapoo Composting Facility	Tom Green	5RC	2,170

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

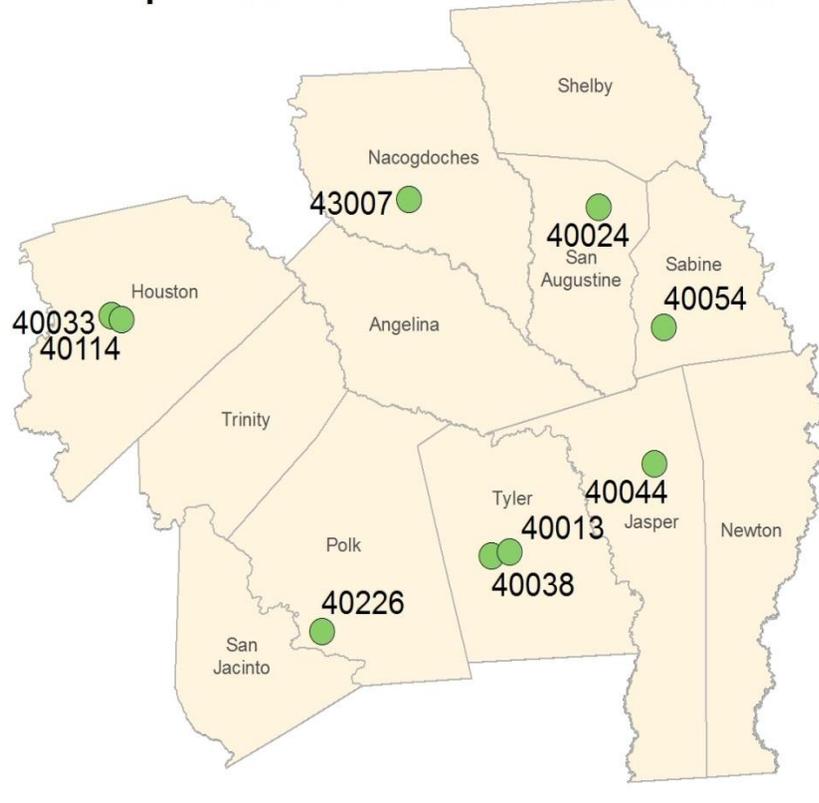
CAPITAL AREA COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
12	2260A	Stericycle Medical Waste Processing Facility	Bastrop	5AC	8,123
12	2300	IESI Blanco County Transfer Station	Blanco	5TS	20,268
12	40035	BFI Burnet Transfer Station	Burnet	5TS	30,998
12	1787	Hays County Transfer Station	Hays	5TS	613
12	119	Texas Disposal System Eco Depot	Travis	5TS	5,668
12	2250	Liquid Environmental Solutions of TX Austin Facility	Travis	5GG	48,097
12	2310	J-V Dirt + Loam Facility	Travis	5RC	3,622
12	40212	Tom Dye Liquid Waste Transfer Station	Travis	5TL	647
12	42016	Texas Organic Recovery Facility	Travis	5RC	29,626
12	466A	Georgetown Transfer Station	Williamson	5TS	56,080

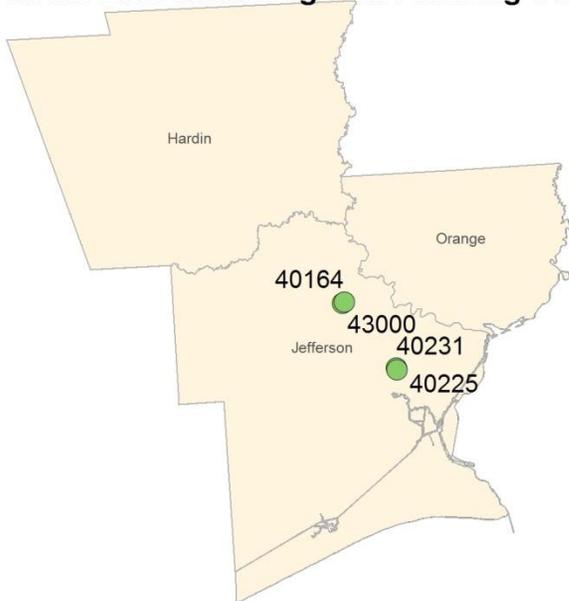
13: Brazos Valley Council of Governments



14: Deep East Texas Council of Governments



15: South East Texas Regional Planning Commission



BRAZOS VALLEY COUNCIL OF GOVERNMENTS

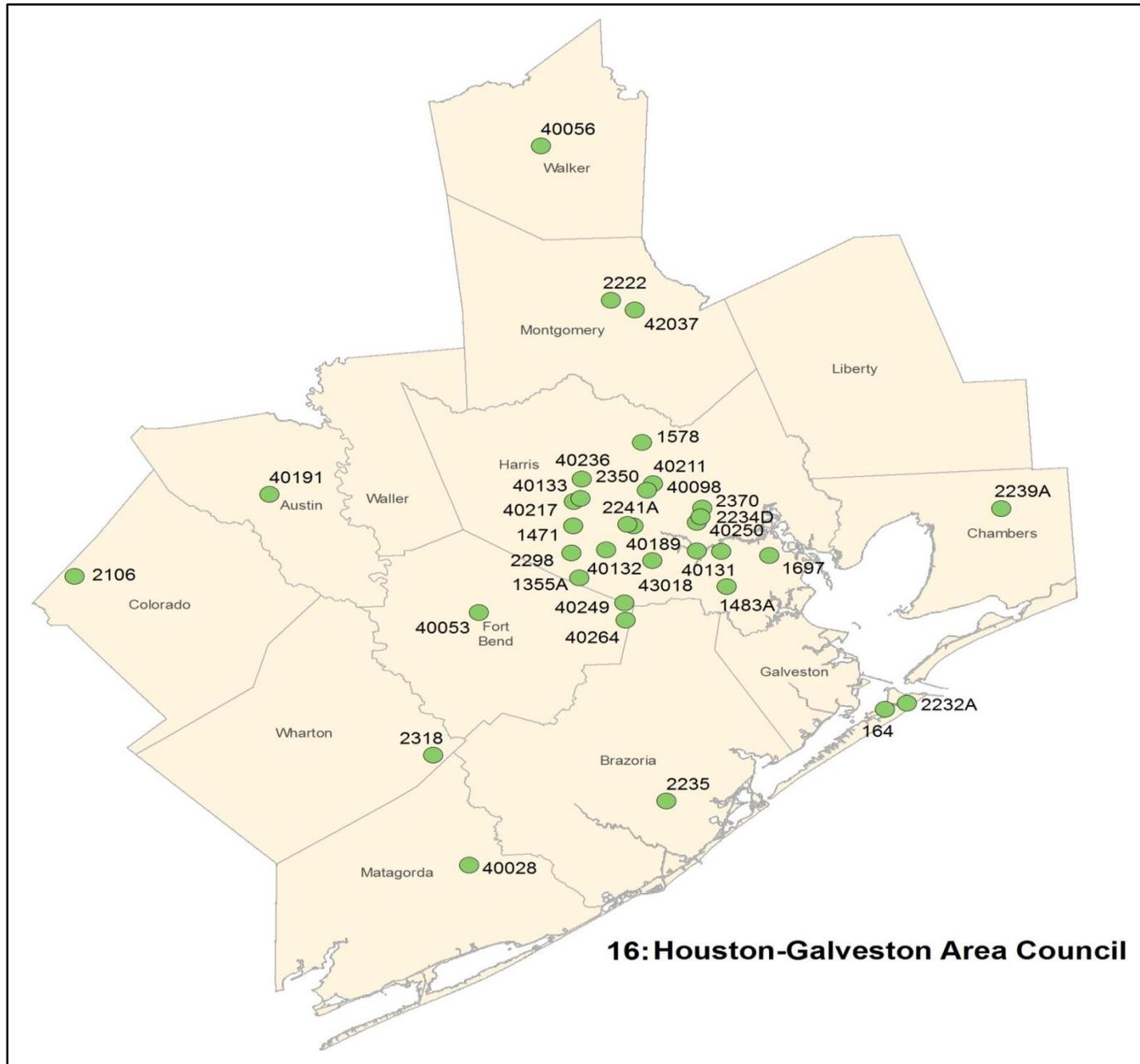
COG	Permit/Registration	Site Name	County	Type	2014 Tons
13	42003	Bryan Compost Facility	Brazos	5RC	12,602
13	43026	Still Creek Liquid Waste Processing Facility	Brazos	5GG	7,416
13	40018	City of Brenham Transfer Station Facility	Washington	5TS	27,773
13	40173	Washington County Transfer Station	Washington	5TS	34,955

DEEP EAST TEXAS REGIONAL PLANNING COMMISSION

COG	Permit/Registration	Site Name	County	Type	2014 Tons
14	40033	Hutto Garbage Service Transfer Station	Houston	5TS	816
14	40114	City of Crockett Transfer Station	Houston	5TS	4,901
14	40044	City of Jasper Transfer Station	Jasper	5TS	8,700
14	43007	City of Nacogdoches Grease Treatment Facility	Nacogdoches	5GG	2,546
14	40226	Pro Star Waste Transfer Station	Polk	5TS	5,917
14	40054	Don General Services Transfer Station	Sabine	5TS	3,214
14	40024	City of San Augustine Transfer Station	San Augustine	5TS	2,300
14	40013	City of Woodville Transfer Station	Tyler	5TS	2,944
14	40038	Tyler County Transfer Station	Tyler	5TS	1,278

SOUTHEAST TEXAS REGIONAL PLANNING COMMISSION

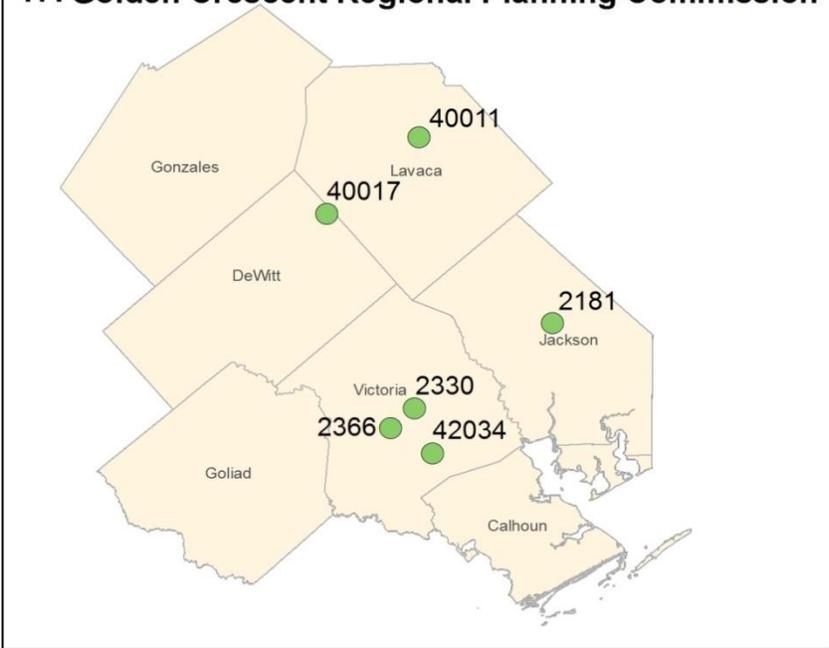
COG	Permit/Registration	Site Name	County	Type	2014 Tons
15	40164	JTB Recycling Liquid Waste Transfer Station	Jefferson	5TL	163
15	40225	Triangle Waste Solutions Transfer Station	Jefferson	5TS	23,534
15	40231	Biomedical Waste Solutions Medical Waste Processing Facility	Jefferson	5AC	3,042
15	43000	JTB Recycling Liquid Waste Processing Facility	Jefferson	5GG	8,525



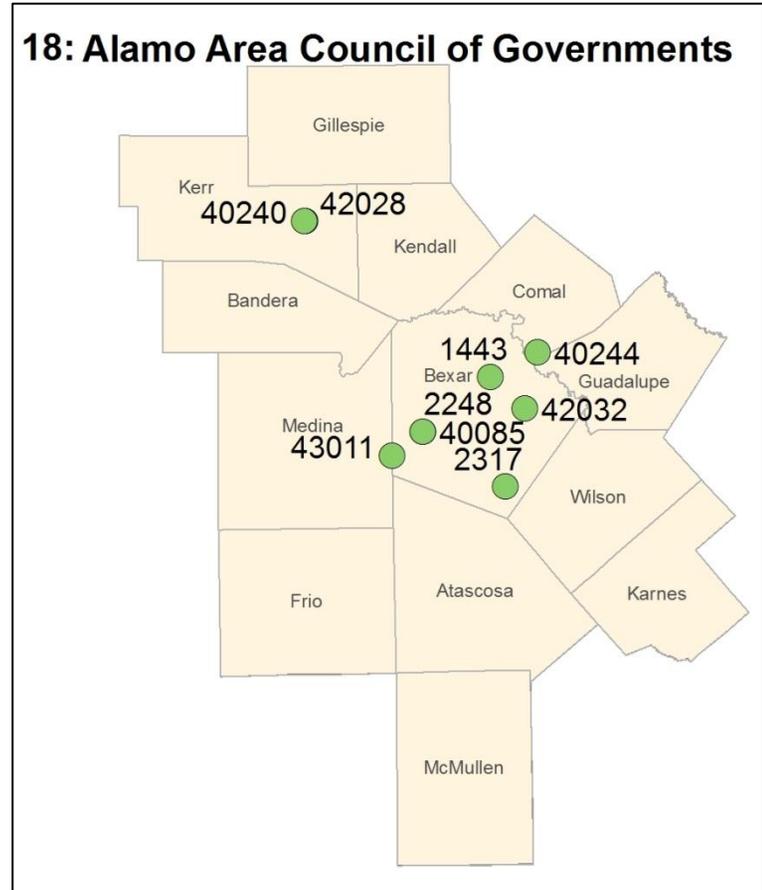
HOUSTON-GALVESTON AREA COUNCIL (*ALL INCOMING MATERIALS WERE REPORTED AS DIVERTED BY THE FACILITY)

COG	Permit/Registration	Site Name	County	Type	2014 Tons
16	40191	Country Waste Inc Transfer Station	Austin	5TS	6,673
16	2235	Brazoria County Recycling Center	Brazoria	5RR	0*
16	2239A	WM Resource Recovery & Recycling Facility	Chambers	5WI	3,046
16	2106	City of Weimar Transfer Station	Colorado	5TS	31,135
16	40053	Best Septic Tank Cleaning Liquid Transfer Station	Fort Bend	5TL	2,510
16	40264	Stericycle Fresno Facility	Fort Bend	5TS	2,661
16	164	City of Galveston Transfer Station	Galveston	5TS	79,805
16	2232A	UTMB Galveston Solid Waste Incineration Facility	Galveston	5WI	493
16	1355A	Ruffino Hills Transfer Station	Harris	5TS	368,023
16	1471	Sam Houston Recycling Center	Harris	5TS	152,803
16	1483A	Koenig Street Transfer Station	Harris	5TS	133,660
16	1578	Hardy Road Transfer Station	Harris	5TS	333,802
16	1697	City of Deer Park Transfer Station	Harris	5TS	17,667
16	2234D	Liquid Environmental Solutions of TX Houston Facility	Harris	5GG	263,202
16	2241A	Southwaste Disposal Hurst Facility	Harris	5GG	148,903
16	2298	B R Perrin Plant	Harris	5GG	30,669
16	2350	Big K Environmental Facility	Harris	5GG	97,434
16	2370	Texas Remediation Liquid Processing Facility	Harris	5GG	105
16	40098	BFI Houston Resource Renewal Complex Transfer Station Facility	Harris	5TS	0*
16	40131	Houston Southeast Transfer Station	Harris	5TS	203,540
16	40132	Houston Southwest Transfer Station	Harris	5TS	284,531
16	40133	Houston Northwest Transfer Station	Harris	5TS	178,480
16	40189	Egbert Transfer Station	Harris	5TS	63,636
16	40211	Sprint Recycling Center - Northeast	Harris	5TS	4,502
16	40217	Tanner Road Facility	Harris	5TS	49,482
16	40236	Excell Disposal Waste Containers	Harris	5TS	16,710
16	40249	Lone Star Recycling & Disposal Facility Transfer Station	Harris	5TS	189,005
16	40250	Lone Star SRD Shredding Recycling Disposal Facility	Harris	5AC	153
16	43018	A Affordable Vacuum Services and Disposal	Harris	5GG	30,079
16	40028	Matagorda County Transfer Station	Matagorda	5TS	8,268
16	2222	Stericycle Conroe Facility	Montgomery	5AC	11,964
16	42037	New Earth Conroe Facility	Montgomery	5RC	70,782
16	40056	City of Huntsville Transfer Station	Walker	5TS	39,538
16	2318	Don Tol Compost Facility	Wharton	5RC	2,078

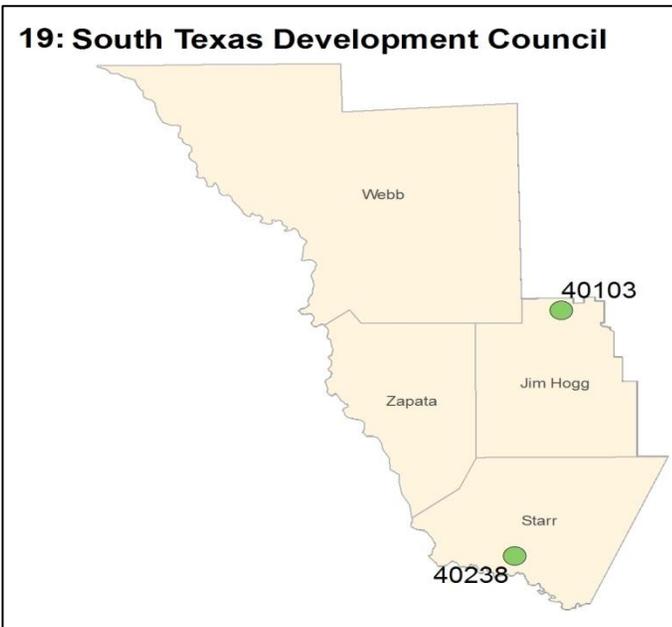
17: Golden Crescent Regional Planning Commission



18: Alamo Area Council of Governments



19: South Texas Development Council



GOLDEN CRESCENT REGIONAL PLANNING COMMISSION

COG	Permit/Registration	Site Name	County	Type	2014 Tons
17	40017	City of Yoakum Transfer Station	Dewitt	5TS	27,921
17	2181	Jackson County Transfer Station	Jackson	5TS	4,407
17	40011	City of Hallettsville Transfer Station	Lavaca	5TS	604
17	2330	Victoria Environmental Liquid Processing Facility	Victoria	5GG	38,774
17	2366	Victoria Regional WWTP Grit Trap Waste Facility	Victoria	5GG	886
17	42034	Victoria Compost Facility	Victoria	5RC	20,320

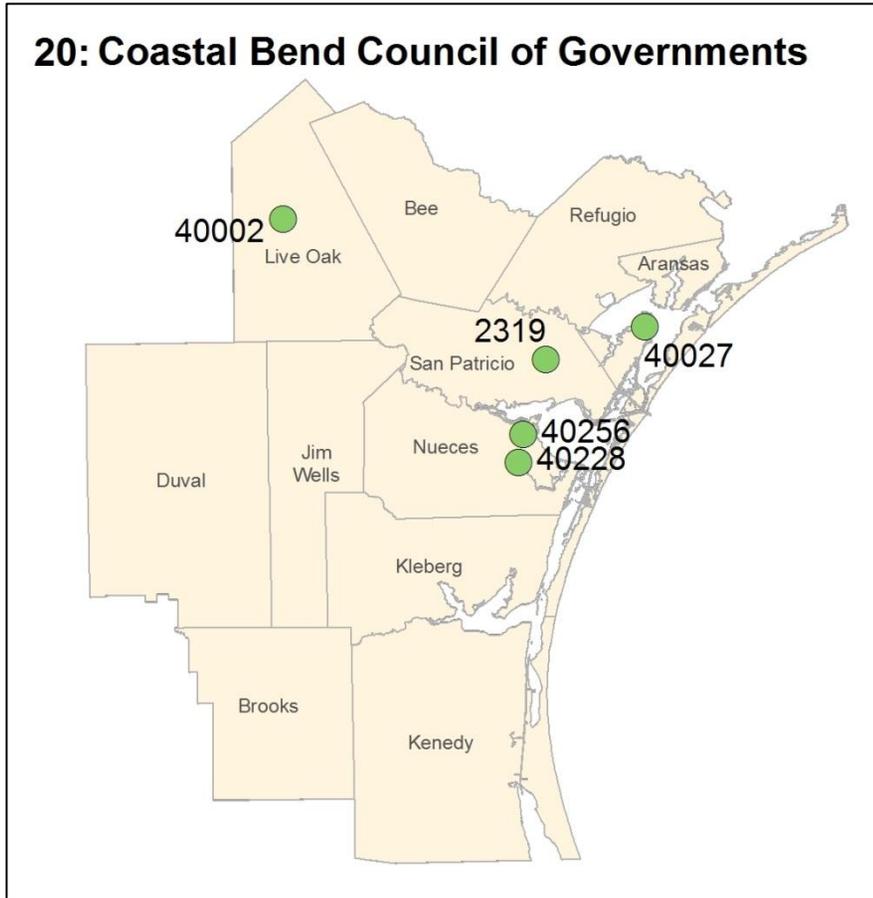
ALAMO AREA COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
18	1443	City of San Antonio Starcrest Transfer Station	Bexar	5TS	153,836
18	2248	Liquid Environmental Solutions of TX San Antonio Facility	Bexar	5GG	46,947
18	2317	Southwaste Disposal San Antonio Facility	Bexar	5RC	46,189
18	40085	Liquid Environmental Solutions of TX San Antonio Facility	Bexar	5TS	5,481
18	42032	New Earth San Antonio Facility	Bexar	5RC	75,279
18	40244	Medsharps Schertz Facility	Comal	5AC	3,024
18	40240	City of Kerrville Transfer Station	Kerr	5TS	50,029
18	42028	City of Kerrville Composting Facility	Kerr	5RC	8,164
18	43011	City of LaCoste Liquid Processing Facility	Medina	5GG	58,744

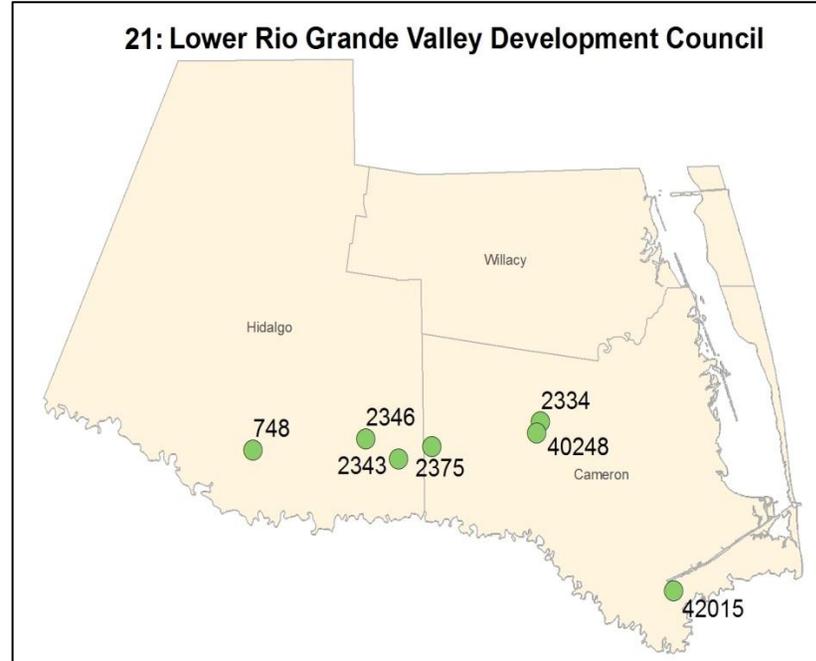
SOUTH TEXAS DEVELOPMENT COUNCIL

COG	Permit/Registration	Site Name	County	Type	2014 Tons
19	40103	Jim Hogg County Transfer Station	Jim Hogg	5TS	8,450
19	40238	Starr County Transfer Station	Starr	5TS	16,059

20: Coastal Bend Council of Governments



21: Lower Rio Grande Valley Development Council



22: Texoma Council of Governments



COASTAL BEND COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
20	40027	Aransas County Transfer Station	Aransas	5TS	4,854
20	40002	Live Oak County Transfer Station	Live Oak	5TS	860
20	40228	JC Elliott Transfer Station	Nueces	5TS	79,505
20	40256	Medwaste Joint Venture Corpus Christi Facility	Nueces	5AC	565
20	2319	Texas Sludge Disposal Composting Facility	San Patricio	5RC	11,456

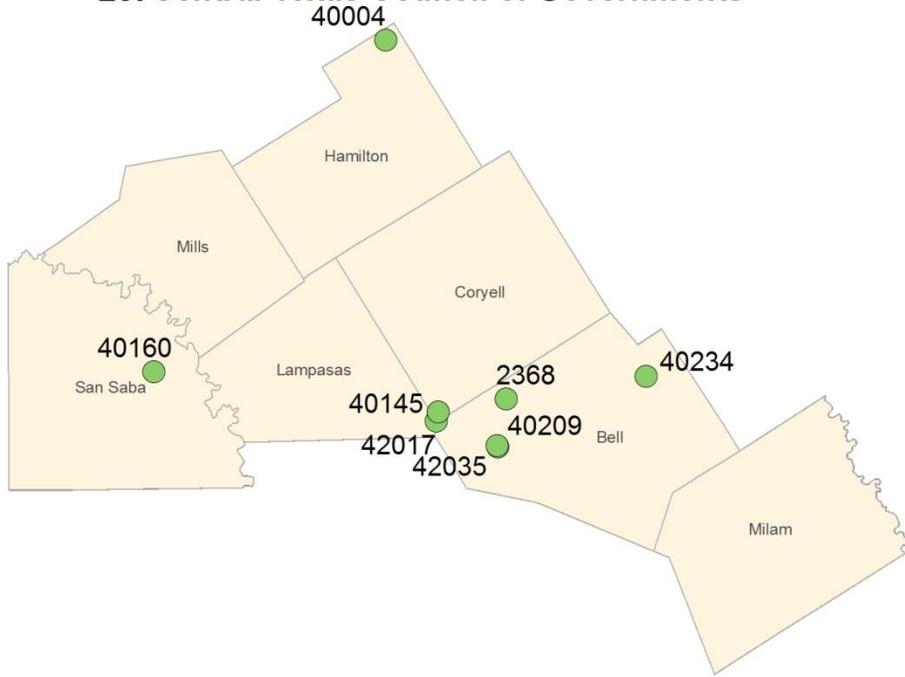
LOWER RIO GRANDE VALLEY DEVELOPMENT COUNCIL

COG	Permit/Registration	Site Name	County	Type	2014 Tons
21	2334	Stericycle Harlingen Processing Facility	Cameron	5MW	1,766
21	2375	La Feria Transfer Station	Cameron	5TS	162,228
21	40248	City of Harlingen Transfer Station	Cameron	5TS	65,603
21	42015	City of Brownsville Composting Facility	Cameron	5RC	20,440
21	748	Pharr Transfer Station	Hidalgo	5TS	36,646
21	2343	Valley Dewatering Services	Hidalgo	5GG	14,901
21	2346	Liquid Environmental Solutions of TX Weslaco Facility	Hidalgo	5GG	20,189

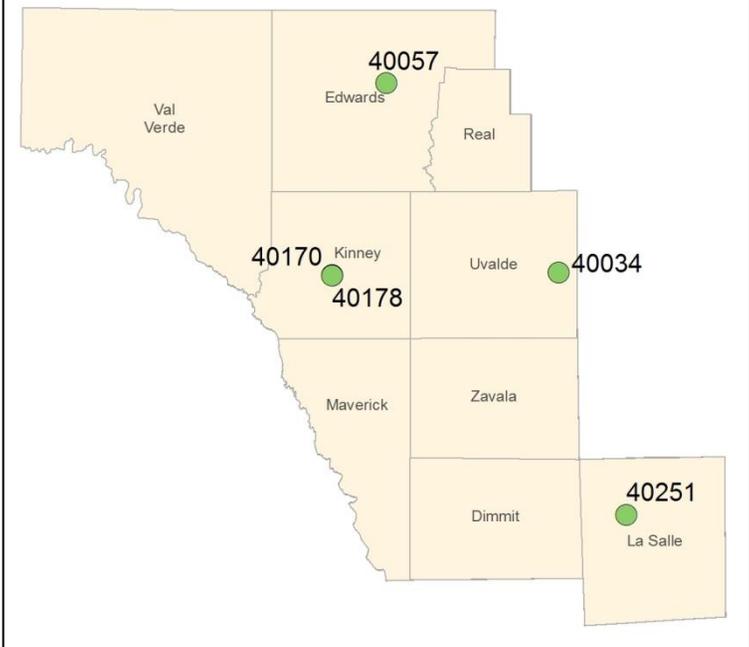
TEXOMA COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
22	1030	City of Gainesville Transfer Station	Cooke	5TS	27,018
22	1136	City of Sherman Transfer	Grayson	5TS	12,506

23: Central Texas Council of Governments



24: Middle Rio Grande Development Council



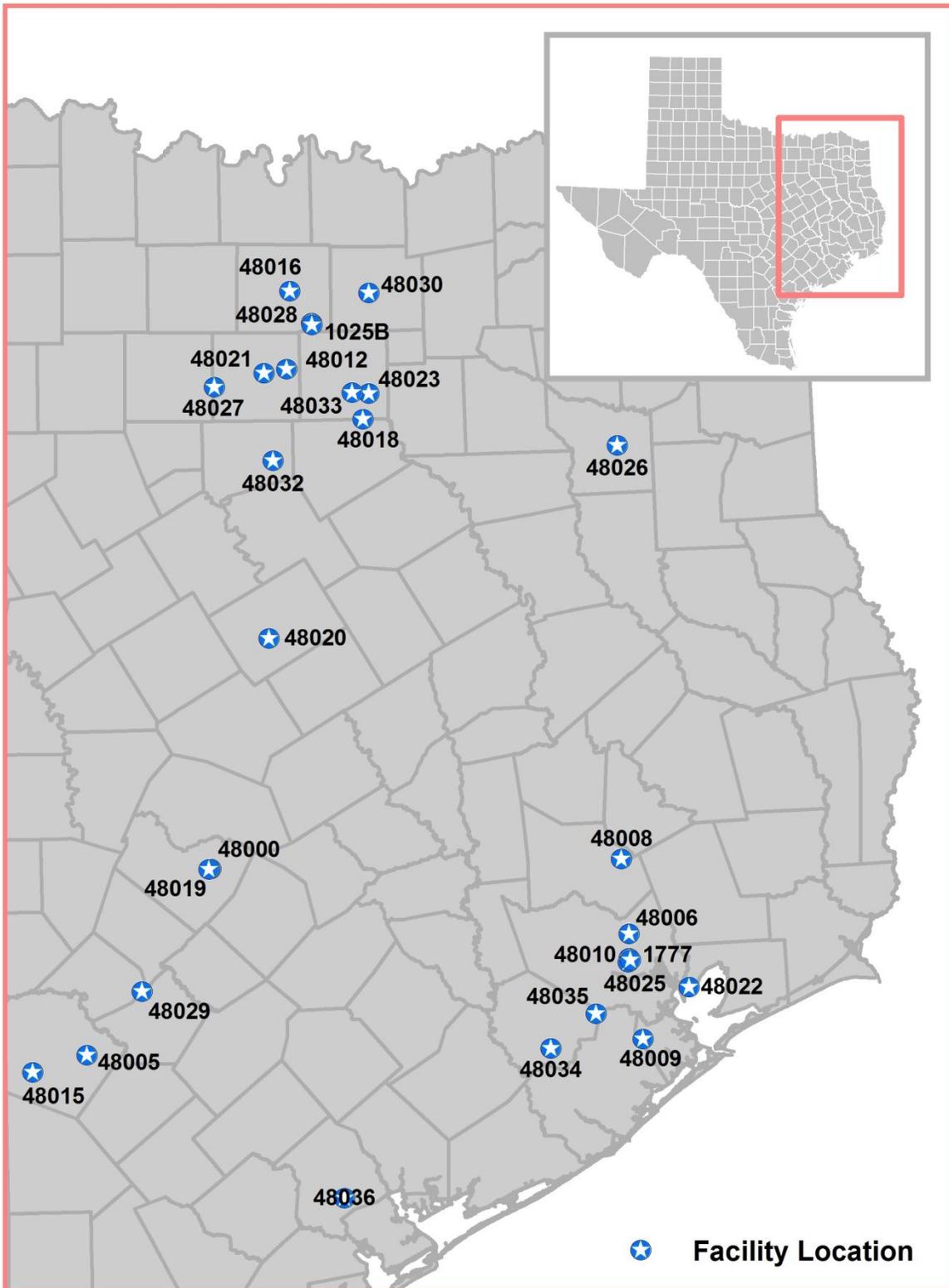
CENTRAL TEXAS COUNCIL OF GOVERNMENTS

COG	Permit/Registration	Site Name	County	Type	2014 Tons
23	2368	S & M Vacuum & Liquid Waste Processing Facility	Bell	5GG	3,928
23	40209	Killeen Transfer Station	Bell	5TS	98,062
23	40234	Stericycle Temple	Bell	5TS	422
23	42035	Bell County WCID 1 Regional Compost Facility	Bell	5RC	6,015
23	40145	City of Copperas Cove Transfer Station	Coryell	5TS	24,798
23	42017	City of Copperas Cove Compost Facility	Coryell	5RC	1,191
23	40004	City of Hico Transfer Station	Hamilton	5TS	76
23	40160	City of San Saba Transfer Station	San Saba	5TS	3,402

MIDDLE RIO GRANDE DEVELOPMENT COUNCIL

COG	Permit/Registration	Site Name	County	Type	2014 Tons
24	40057	City of Rock Springs Transfer Station	Edwards	5TS	791
24	40170	City of Brackettville Transfer Station	Kinney	5TS	1,684
24	40178	Fort Clark Springs Transfer Station	Kinney	5TS	85
24	40251	City of Cotulla Transfer Station	La Salle	5TS	42
24	40034	City of Sabinal Transfer Station	Uvalde	5TS	1,106

Facility Data for MSW Facilities Recovering Landfill Gas for Beneficial Use



Active gas recovery facilities (Type 9GR), organized by COG Region and County

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 2014

Gas Distributed Off-site – Estimated Gas Distributed Off-site from the facility in Fiscal Year 2014

Power Generated & Sold – Estimated Gas Generated and Sold by the facility in Fiscal Year 2014

Power Generated & Used – Estimated Gas Generated and Used On-site by the facility in Fiscal Year 2014

ft³ – 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 & Sold (kWh)	Power Generated & Used (kWh)
4	48030	McKinney Landfill	Collin	568A	0	0	21,619,361	22,557,140
4	48023	Trinity Oaks Landfill	Dallas	556	219,259,651	0	8,873,200	799,550
4	48018	Waste Management Skyline Landfill	Dallas/Ellis	42C	997,813,000	0	44,917,918	2,588,071
4	48033	McCommas Bluff LFG Processing Facility	Dallas	62	3,407,298,000	1,914,945,000	0	0
4	1025B	DFW Recycling And Disposal Facility	Denton	1025B	1,967,882,580	0	86,381,030	1,150,858
4	48016	City of Denton Landfill	Denton	1590A	274,018,057	0	13,177,404	6,962
4	48028	Camelot Landfill Gas To Energy Facility	Denton	1312A	0	0	24,514,885	25,267,881
4	48032	IESI Turkey Creek Landfill	Johnson	1417B	557,030,000	278,515,000	0	0
4	48012	Landfill Gas Processing Plant	Tarrant	358A	653,731	653,731	0	0
4	48021	Fort Worth Methane	Tarrant	464A	156,565,290	0	6,079,600	329,260
4	48027	Westside Landfill Gas To Electric Facility	Tarrant	1019A	742,273,000	0	29,436,482	1,338,179
6	48026	Greenwood Farms Landfill	Smith	1972A	727,730,000	363,865,000	0	0
11	48020	City of Waco Landfill	McLennan	948A	273,495,288	0	0	0
12	48000	Gas Recovery Systems	Travis	1447A	423,892,300	0	20,313,091	1,548,204
12	48019	Austin Community Landfill Power Station	Travis	249D	902,990,052	0	41,547,000	1,902,150
16	48035	Blue Ridge Landfill Gas Compressor Station	Brazoria	1505A	1,269,750,677	1,269,750,677	0	0
16	48022	Baytown LFGTE Facility	Chambers	1535B	0	0	18,806,000	20,351,000
16	48034	Fort Bend Landfill Gas Treatment Facility	Fort Bend	2270	834,276,000	417,138,000	0	0
16	48009	Coastal Plains LFGTE Facility	Galveston	1721A	0	0	32,336,000	34,825,000

COG	Permit/ Registration	Site Name	County	Landfill	Gas Processed (ft³)	Gas Distributed Off-site (ft³)	Power Generated & Sold (kWh)	Power Generated & Used (kWh)
16	1777	McCarty Road Landfill Gas Recovery Facility	Harris	261B	2,065,120,000	1,032,549,000		0
16	48006	Atascocita Recycling And Disposal Facility	Harris	1307D	0	0	65,594,000	70,928,000
16	48010	Blue Bonnet LFGTE Facility	Harris	1279	0	0	3,601,000	3,989,000
16	48025	Ameresco McCarty Energy	Harris	261B	0	1,279,686,260	0	0
16	48008	Security Landfill RDF	Montgomery	1752B	0	0	25,126,000	26,337,000
17	48036	City of Victoria LFGTE Facility	Victoria	1522A	99,318	99,318	0	0
18	48005	Tessman Road Landfill Gas Power Station	Bexar	1410C	1,180,996,841	0	49,686,835	2,596,000
18	48015	Covel Gardens Landfill Gas Power Station	Bexar	2093B	1,664,427,830	0	63,032,000	3,658,000
18	48029	Mesquite Creek Landfill	Comal	66B	536,931,950	0	23,223,707	781,504

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.
Covered television equipment	A direct view or projection television with a viewable screen of nine inches or larger whose display technology is based on cathode ray tube, plasma, liquid crystal, digital light processing, liquid crystal on silicon, crystal reflective technology, light-emitting diode, or similar technology. This definition also covers a display that is peripheral to a computer that contains a television tuner. This program applies to television equipment that is purchased primarily for personal or home-business use.
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.

Waste/Material Type	Description
Litter	Rubbish and putrescible waste.
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.
Monofill	A landfill that is granted a permit by rule, for a period of up to five years to a county or municipality with a population of 12,000 people or less to dispose of demolition waste from properties with nuisance or abandoned building.
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 1 non-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.
Television Recycler	A person who separates collected television equipment and refurbishes that equipment for reuse, or processes equipment to be returned to use in the form of raw materials or products. The term does not include an entity that solely collects or sorts television equipment prior to shipment for recycling.
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.