



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

*2019 Data Summary and Analysis*



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## 2019 Data Summary and Analysis

Prepared by  
Waste Permits Division

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# About This Report

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

## Reporting Period

Reports from MSW facilities are based on a fiscal year, which runs from September 1 through August 31. Unless otherwise indicated, all references to 2019 in this annual summary are related to fiscal year 2019 (September 1, 2018 through August 31, 2019).

## Reporting Requirements

In accordance with Title 30 of the Texas Administrative Code (30 TAC), Chapter 330 (Municipal Solid Waste), Subchapter P and 30 TAC, Chapter 326 (Medical Waste Management), Subchapter G, facility operators are required to submit an annual report to the TCEQ covering the types and amounts of waste processed or disposed at an authorized MSW facility.

## Data Sources

The data in this summary were from annual reports submitted by owners or operators of 198 active landfills and 212 active processing facilities. Reported data were reviewed; and discrepancies reconciled 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., facility owner or operator contact information),
- facility activities (e.g., types and amounts of waste accepted for disposal or processing), and
- facility characteristics (e.g., landfill elevations, monitoring well data, other authorizations within a facility's boundary)

Population data were obtained from the U.S. Census Bureau's *Annual Estimates of the Resident Population for Counties: April 1, 2010 to July 1, 2019* ([www.census.gov/content/census/en/data/tables/time-series/demo/popest/2010s-counties-total.html](http://www.census.gov/content/census/en/data/tables/time-series/demo/popest/2010s-counties-total.html)).





# Facility Information

MSW facilities in Texas are classified according to the method of processing or disposal (30 TAC §330.5).

## Landfills (disposal facilities)

This section provides a summary of MSW landfill types, activity, and remaining capacity.

### ***Type I landfill***

A Type I landfill is the standard landfill for MSW disposal in Texas. In 2019, there were 95 Type I facilities, accounting for 48 percent of all active landfills, about 89 percent of the total waste disposed, and 93 percent of the total statewide remaining capacity.

### ***Type IV landfill***

A Type IV landfill only accepts brush, construction or demolition waste, and other similar non-household or nonputrescible waste (organic waste that decomposes without causing odors or attracting pests). In 2019, there were 24 Type IV facilities, accounting for 12 percent of all active landfills, almost 10 percent of the total waste disposed, and 6 percent of the total statewide remaining capacity. These landfills were not distributed evenly across the state; approximately 63 percent (15 landfills) were in the Houston-Galveston Area Council of Governments region (COG 16).

### ***Arid-exempt (AE) landfill***

Type I and Type IV landfills in relatively dry parts of the state may be permitted as arid-exempt (AE) landfills. These landfills are exempt from liner and groundwater monitoring requirements, but have limited waste acceptance rates (30 TAC §330.5(b)). In 2019, there were 68 AE landfills, accounting for approximately 34 percent of all active landfills, 1 percent of the total waste disposed, and 1 percent of the total statewide remaining capacity.

### ***Monofill***

Beginning in 2013, counties or municipalities with 12,000 or fewer people could obtain a renewable five-year 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 a county or municipality. In 2019, there were 11 monofills, accounting for 6 percent of all active landfills.

## Landfills Reporting

MSW Records indicated that in 2019 there were 198 permitted MSW landfills actively accepting and managing waste (Figure 1); all active facilities submitted reports.

Facility data for the 2019 active landfills are presented in the *Facility Data for MSW Landfills* section of this report. Information from landfill annual reports is also available online through the TCEQ *Central Registry* ([www.tceq.texas.gov/goto/cr-searchid](http://www.tceq.texas.gov/goto/cr-searchid)).

To access an online report for a specific landfill:

- On the *Central Registry Query - Additional ID Search* page, enter an MSW permit number, including any amendment letter (e.g., 1312B) in the *Program ID* field and click the *Search* button
- On the *Regulated Entity Information* results page, scroll down to the table of *Permits, Registrations, or Other Authorizations* and select the active “Municipal Solid Waste Disposal” ID Number in the table
- In the resulting list of *Related Information*, select “Periodic Reports”
- In the *Select Report* field, select “MSW Annual Report” and click the *Search* button
- In the *Select Year* field, select the year of interest and click the *Search* button

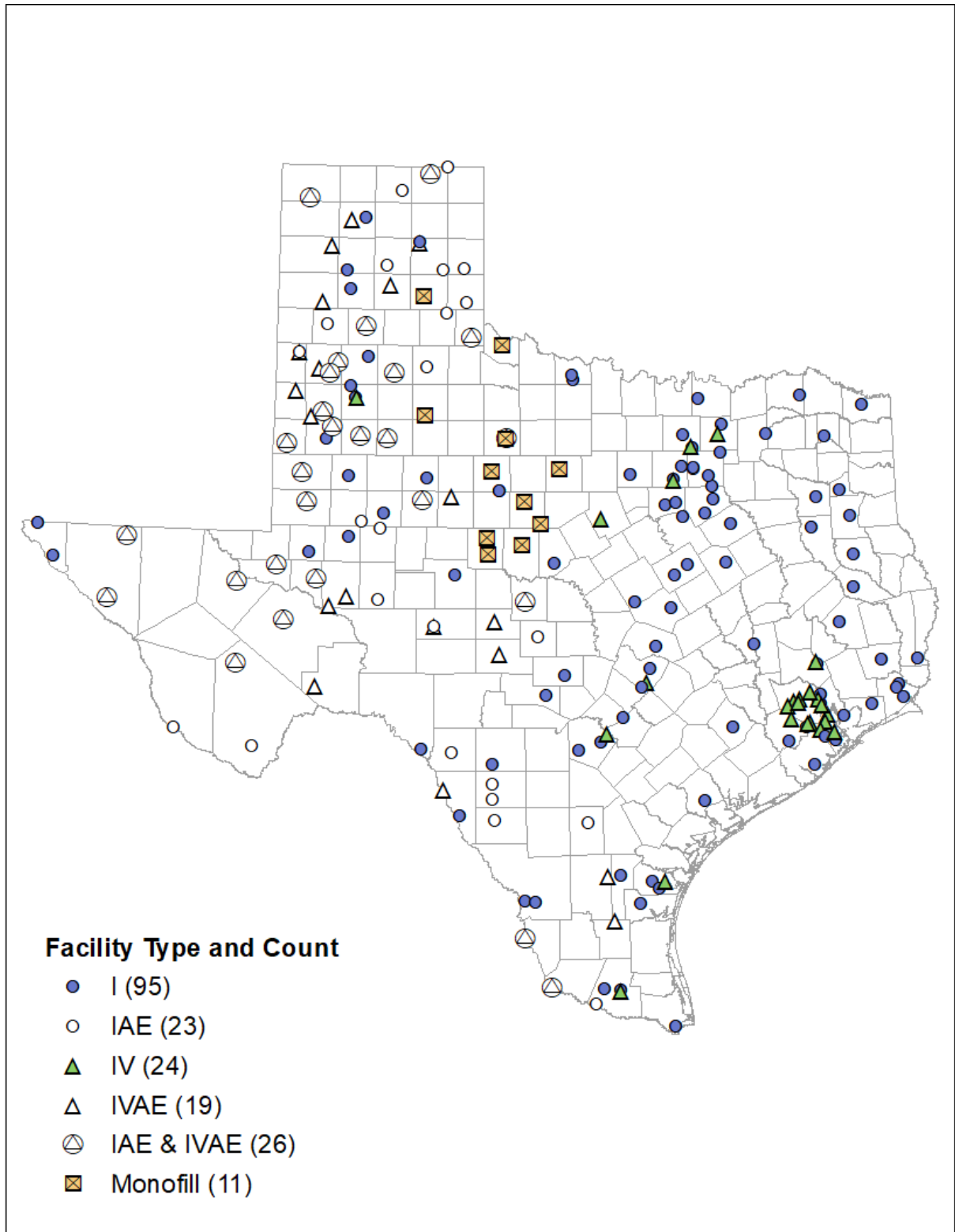


Figure 1. Active Texas MSW Landfills in 2019

## Processing Facilities

This section provides a summary of MSW processing facility types and activities in 2019. Compost facilities do not process waste, as defined for Type V facilities, but are counted as processing facilities for this report.

### ***Type V facility***

Type V facilities store or process MSW and authorized nonhazardous industrial wastes. Processing includes transfer, incineration, shredding, grinding, baling, salvaging, separation, dewatering, or reclamation of MSW. Type V facilities may be authorized by permit. However, certain Type V facilities may qualify for authorization by registration if specific requirements are met. For example, a Type V transfer station that includes a material recovery operation and recovers at least 10 percent (by weight) of the incoming waste stream for reuse or recycling would qualify for a registration.

With the adoption of 30 TAC, Chapter 326 in 2016, medical waste rule requirements were removed from 30 TAC, Chapter 330. Under Chapter 326 rules, facilities accepting off-site medical waste are only required to be authorized by registration. Prior to the rule change, some permitted facilities accepted MSW and medical waste. Once Chapter 326 became effective, these facilities could continue accepting MSW under their existing permit but were also required to obtain a registration to continue accepting off-site medical waste. Facilities that permitted to accept only medical waste could continue operations under their existing permit but were required to update their permit per Chapter 326 rule requirements.

In 2019, Type V facilities, including medical waste facilities, processed about 8.4 million tons of waste.

### ***Type IX facility***

A Type IX facility is an energy, material, gas recovery for beneficial use, or landfill mining facility located within or adjacent to an active or closed landfill or an inactive portion of a landfill. These facilities are authorized by registration. Type IX facilities do not process waste, as defined for Type V facilities, but they are classified as processing facilities by rule. In 2019, Type IX facilities recovering landfill gas for beneficial use estimated:

- 32.4 billion cubic feet of gas processed;
- 12.2 billion cubic feet of gas distributed off-site;
- 361 million kilowatt hours of power generated and sold; and
- 47 million kilowatt hours of power generated and used on-site.

## **Compost facility**

A compost facility processes organic material that is diverted from a waste stream. Owners or operators of compost facilities are required to obtain a registration or permit, depending upon the types of materials that are accepted, unless they qualify for a notification authorization or are exempt from notifying the TCEQ. Composting operations at MSW landfills may be authorized under the landfill permit.

Annual reports are required for registered and permitted composting operations. In 2019, there were 855,019 tons of organic material composted, as reported by 9 permitted MSW landfills and 20 permitted or registered compost facilities.

## **Processing Facilities Reporting**

MSW processing facilities are differentiated by sub-types in MSW Records by a number followed by letters. For example, “5GG” designates a Type V processing facility for grease trap and grit trap waste. For 2019, MSW Records indicated that there were 212 active permitted or registered MSW processing facilities (163 Type V, 20 compost, and 29 Type IX); all active processing facilities submitted annual reports. Table 1 provides the breakdown of the sub-types and number of active processing facilities for 2019.

**Table 1. Active MSW Processing Facilities in 2019**

<b>Facility Type</b>	<b>Permitted</b>	<b>Registered</b>
Autoclave (5AC)	2	6
Liquid waste processor (5GG)	24	7
Medical waste processor (5MW)	2	4
Medical waste transfer station (5MWTS)	0	6
Recycling & material recovery (5RR)	1	1
Liquid waste transfer station (5TL)	0	2
Transfer station (5TS)	35	70
Waste incinerator (5WI)	2	1
Compost (5RC)	8	12
Landfill gas recovery (9GR)	2	27
<b>Total</b>	<b>76</b>	<b>136</b>

Facility data for the permitted or registered Type V processing facilities and composting facilities active in 2019 are presented in the *Facility Data for MSW Processing Facilities* section of this report.

Facility data for the Type IX facilities recovering landfill gas for beneficial use in 2019 are presented in the Facility Data for *MSW Facilities Recovering Landfill Gas for Beneficial Use* section of this report.

Information from Type V, compost, and Type IX facilities is also available online through the TCEQ *Central Registry* ([www.tceq.texas.gov/goto/cr-searchid](http://www.tceq.texas.gov/goto/cr-searchid)).

To access an online report for a specific processing facility:

- On the *Central Registry Query - Additional ID Search* page, enter an MSW processing facility permit number, including any amendment letter (e.g., 1355A), or registration number (e.g., 40132) in the *Program ID* field and click on the *Search* button
- On the *ID Search Results List* page, select the “Municipal Solid Waste Processing” ID Number in the table
- In the resulting list of *Related Information*, select “Periodic Reports”
- In the *Select Report* field, select “MSW Annual Report” and click on the *Search* button
- In the *Select Year* field, select the year of interest and click on the *Search* button

## Other Information about Landfills and Processing Facilities

### ***Use of scales***

Operators for 75 percent of the MSW landfills (excluding monofills) and 55 percent of the Type V processing facilities and composting facilities reported using scales to measure all or some of their accepted waste or feedstock material in 2019. The facilities that did not report using scales measured accepted waste or feedstock material by estimated volume (i.e., cubic yards).

### ***Texas municipal solid waste fee***

Title 5 (Sanitation and Environmental Quality) Section 361.013(a) of the Texas Health and Safety Code requires the TCEQ to charge a fee on all solid waste that is disposed of within the state. Current MSW fee rates for waste received for disposal by MSW landfills and processors are presented in Table 2. Operators of MSW landfills and processing facilities that accept Class 1 nonhazardous industrial waste also pay commercial Class 1 waste management fees.

**Table 2. Texas Municipal Solid Waste Fee Rates**

<b>Unit of Measure</b>	<b>Landfills</b>	<b>Processors for Disposal</b> (includes incinerators, composters, shredders, and similar facilities)
Ton	\$0.94 per ton	\$0.47 per ton
Cubic yard (compacted)	\$0.30 per cubic yard	\$0.15 per cubic yard
Cubic yard (uncompacted)	\$0.19 per cubic yard	\$0.095 per cubic yard

***MSW facility tipping fees***

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

In 2019, the average statewide tipping fees charged by MSW landfills were:

- \$37.94 per ton, with 136 facilities reporting;
- \$15.82 per compacted cubic yard, with 31 facilities reporting; and
- \$15.21 per uncompacted cubic yard, with 75 facilities reporting.

In 2019, the average statewide tipping fees charged by MSW processing facilities were:

- \$47.18 per ton, with 58 facilities reporting;
- \$16.34 per compacted cubic yard, with 14 facilities reporting;
- \$20.23 per uncompacted cubic yard, with 39 facilities reporting;
- \$0.32 per gallon, with 39 facilities reporting; and
- \$0.63 per pound, with 15 facilities reporting.

### ***Facility ownership and related disposal and capacity information***

Most MSW facilities in Texas are owned by government entities such as cities and counties; the rest are owned by corporations and other types of privately held companies.

#### **Landfills**

In 2019, of the 198 active MSW landfills, 130 (66 percent) were publicly owned. These facilities accepted 35 percent of the state's reported waste and accounted for 43 percent of the state's total remaining cubic yard capacity. Approximately 52 percent of the publicly owned landfills were arid-exempt facilities with limited waste acceptance rates.

#### **Processing Facilities**

In 2019, of the 183 active Type V processing facilities and composting facilities, 79 were publicly owned. Of the 29 active Type IX facilities recovering landfill gas for beneficial use, only 3 were publicly owned.



# Waste Information

## Waste Managed by MSW Facilities

### ***Municipal solid waste***

The Texas definition of MSW in 30 TAC, Chapter 330 (Municipal Solid Waste), Subchapter A (General Information), is “*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.*”

The Texas definition of MSW is more encompassing than the definition used by the U.S. Environmental Protection Agency (USEPA) and some states. The Texas definition includes municipal wastewater plant treatment sludges and construction or demolition waste, whereas the USEPA definition does not. Therefore, the Texas per capita disposal rate may be higher than those of other states because of the broader range of waste types counted as MSW in Texas.

In Texas, wastes are classified first by their source (the generator of a waste), and then the constituents in or properties of the waste. Retailers, repair services, and the public are municipal generators; manufacturers are industrial generators.

### ***Nonhazardous industrial solid waste***

Industrial solid waste is defined and regulated under 30 TAC, Chapter 335 (Industrial Solid Waste and Municipal Hazardous Waste). Industrial and municipal wastes may be classified as hazardous or nonhazardous. MSW facilities may not accept regulated hazardous waste. However, in certain circumstances, MSW facilities may accept nonhazardous industrial solid wastes. Nonhazardous industrial solid wastes are defined by classes.

- **Class 1:** Industrial solid 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 nonhazardous industrial solid wastes (Class 1 waste) at MSW landfills. An example of Class 1 waste could be industrial sludge containing metals or organics.

The Texas classification of Class 1 waste is based on the leachable concentrations of constituents of concern found in the waste. Waste classified as hazardous cannot be made nonhazardous by dilution.

- **Class 2:** Industrial solid waste that cannot be described as hazardous, Class 1, or Class 3. Activated sludge from industrial biological wastewater treatment plants is typically Class 2 waste.
- **Class 3:** Inert and essentially insoluble industrial solid wastes that do not readily decompose, such as bricks or concrete from an industrial facility.

Most MSW facilities may accept Class 2 and Class 3 wastes. Class 1 waste, other than wastes that are Class 1 only because of asbestos-content, may be accepted at MSW landfills with dedicated cells that are designed according to 30 TAC §330.331(e). MSW landfills with dedicated Class 1 waste cells that reported accepting Class 1 waste in 2019 are listed in Table 3.

**Table 3. MSW Landfills that Accepted Class 1 Waste in 2019**

Permit	Landfill Name	Landfill Type	County
1410C	Tessman Road Landfill	I	Bexar
2093B	Covel Gardens Landfill	I	Bexar
1539A	Seabreeze Environmental Landfill	I	Brazoria
2158	Odessa Landfill	I	Ector
2270	Fort Bend Regional Landfill	I	Fort Bend
1505A	Blue Ridge Landfill	I	Fort Bend
1721A	Coastal Plains Recycling and Disposal Facility	I	Galveston
2348	La Gloria Ranch Landfill	I	Hidalgo
241D	Itasca Landfill	I	Hill
2027	BFI Golden Triangle Landfill	I	Jefferson
1417B	Turkey Creek Landfill	I	Johnson
1469A	Abilene Landfill	I	Jones
2325	Abilene Environmental Landfill	I	Jones
2242A	Western Waste of Texas Newton Complex	I	Newton
1663B	Southwest Landfill TX	I	Randall
797B	Pleasant Oaks Landfill	I	Titus
2286	Ponderosa Regional Landfill	I	Webb

## Disposal Information

### Waste types

The majority of MSW disposed in Texas is residential and commercial waste; however, landfill operators have difficulty in estimating the amounts received for each waste type. For this annual summary, residential and commercial wastes are combined and referred to as “municipal” waste. In 2019, municipal waste accounted for approximately 64 percent of the 36.80 million tons of waste disposed at MSW landfills; construction or demolition waste, the second largest waste type, accounted for approximately 21 percent. The types and estimated amounts of waste disposed in Texas MSW landfills in 2019 are illustrated in Figure 2 and listed in Table 4. Waste types listed in Table 4 are described in the *Waste and Material Type Descriptions* section of this report.

### Waste sources

In 2019, less than 1 percent of waste disposed in the state’s MSW landfills was generated from outside the state. Two landfills accepted waste from Mexico, representing a total of 3,622 tons. Eight landfills accepted waste imported from either Arkansas, Louisiana, New Mexico, Oklahoma, or the US Virgin Islands, representing a total of 263,881 tons. There is no requirement for reporting the amount of MSW exported out of Texas.

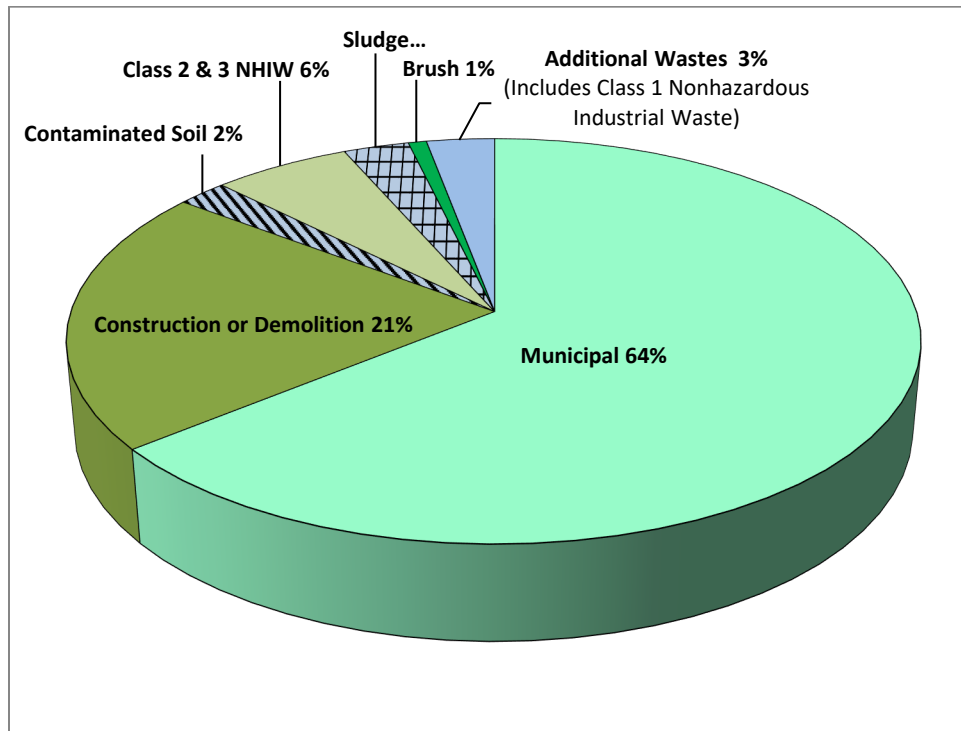


Figure 2. Types and Amounts of Waste Disposed in MSW Landfills in 2019

**Table 4. Types and Amounts of Waste Disposed in MSW Landfills in 2019**

<b>Waste Type</b>	<b>Number of Landfills Accepting Waste Type</b>	<b>Tons Disposed</b>	<b>Percent of Total Tons Disposed</b>
Municipal	144	23,602,472	64.13
Brush	57	291,287	0.79
Construction or Demolition	161	7,774,645	21.12
Litter	8	3,947	0.01
Class 1 Nonhazardous Industrial Waste (NHIW)	22	509,079	1.38
Classes 2 and 3 NHIW	58	2,205,535	5.99
Incinerator Ash	7	5,115	0.01
Treated Medical Waste	15	38,606	0.10
Municipal Hazardous Waste from Conditionally Exempt Small Quantity Generators (Municipal CESQG)	2	2,779	0.01
Regulated Asbestos-Containing Material (RACM)	26	50,661	0.14
Non-RACM	41	42,647	0.12
Dead Animals or Slaughterhouse Waste	74	20,727	0.06
Sludge	81	1,046,378	2.84
Grease Trap Waste	9	3,947	0.01
Grit Trap Waste	21	16,548	0.04
Septage	9	25,959	0.07
Contaminated Soil	49	797,551	2.17
Tires (only tires that have been split, quartered, or shredded may be disposed in a landfill)	36	67,896	0.18
Pesticides	0	0	0.00
Used Oil Filters	1	20	0.00
Other	40	298,664	0.81
<b>Total</b>	Not Applicable	<b>36,804,463</b>	<b>100</b>

# Landfill Capacity Information

## Per Capita Disposal Rate

The 2019 total amount of waste disposed (36.80 million tons) in Texas MSW landfills divided by the 2019 state population estimate of 28,995,881 yielded a total disposal rate of 6.96 pounds per person per day. The 2019 rate was less than the 2018 rate of 7.22 pounds, representing a 3.6 percent per capita disposal rate decrease for 2019. During this period, the state’s population increased 1.02 percent.

As discussed earlier in the *Waste Information* section of this report, the Texas definition of MSW includes construction or demolition waste and municipal wastewater treatment plant sludge. To provide a more complete representation of the state’s remaining MSW landfill capacity, the Texas per capita disposal rate calculation includes all MSW wastes and authorized industrial wastes that were disposed in the state’s MSW landfills.

If Texas had used the EPA definition of MSW for 2019, the total disposal rate would have been less, at approximately 4.77 pounds per person per day.

Figure 3 displays disposal amounts for MSW landfills and total per capita disposal rates, based on the Texas definition of MSW, between 1986 and 2019. For more detailed information, please see Table 7, *Historical Disposal and Capacity Data for Texas MSW Landfills*.

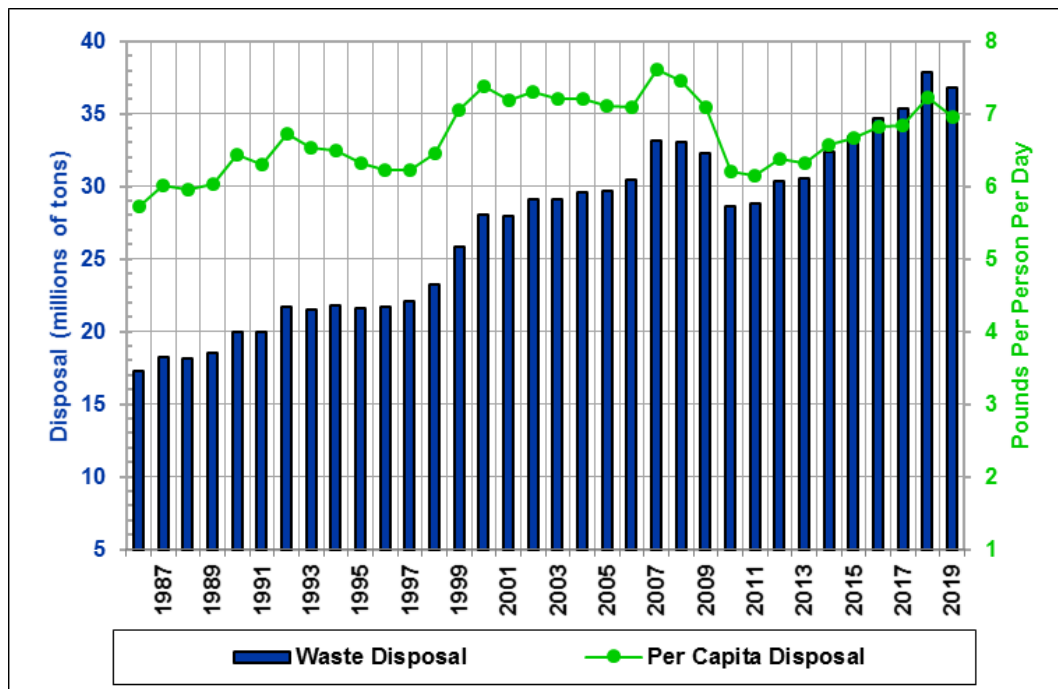


Figure 3. Texas MSW Landfill Disposal Tons and Per Capita Disposal Rate

## Landfill Capacity

The total remaining MSW landfill capacity in the state at the end of 2019 was approximately 1.93 billion tons or about 2.80 billion cubic yards.

Table 5 summarizes the 2019 disposal amount, remaining tons of disposal capacity, and reserve capacity by landfill type. Total reserve capacity (expressed in terms of years) is the total remaining capacity (expressed in terms of tons) divided by the total waste disposal rate (tons disposed) for the current reporting year. The analyses in this summary assume that the 2019 disposal rate of 36.80 million tons will continue each year, that no new landfill expansions or new permits will be issued, and that the 2019 population and disposal amounts will remain constant. Remaining reserve capacity is not applicable to monofills, which are authorized through a renewable five-year permit by rule.

**Table 5. 2019 Disposal Amount and Remaining Capacity by Landfill Type**

Landfill Type	Number of Landfills	Amount Disposed in Tons	Remaining Capacity in Tons	Reserve Capacity in Years
I	95	32,851,237	1,799,076,186	55
IV	24	3,612,284	110,229,810	31
IAE	23	79,774	5,186,023	65
IVAE	19	28,961	2,449,284	85
IAE and IVAE	26	222,825	15,625,304	70
Monofill	11	9,382	531,314	Not Applicable
<b>Totals</b>	<b>198</b>	<b>36,804,463</b>	<b>1,933,097,921</b>	<b>53</b>

## **Growth and Attrition**

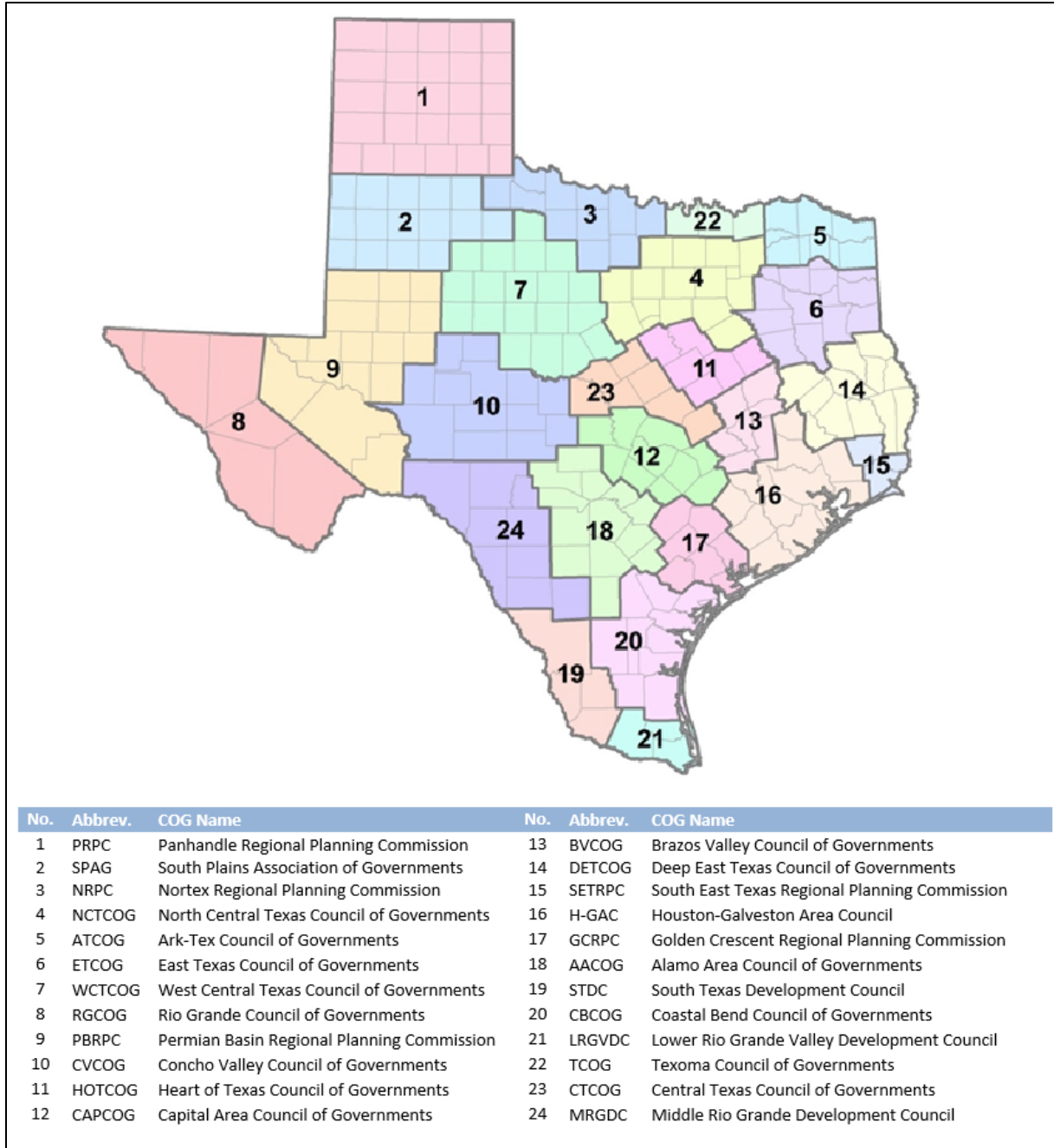
According to submitted data, statewide net remaining tons capacity increased by approximately 16.7 million tons or 0.9 percent from the 2018 capacity. Statewide remaining cubic yards capacity increased by approximately 17.8 million or 0.6 percent from the 2018 capacity.

## **Statewide Distribution**

In Texas, 24 Regional Planning Commissions, also known as Councils of Governments (COGs), have the primary responsibility under Texas Health and Safety Code, Section 363.0615 for regional solid waste management planning. Figure 4 is a map of Texas displaying the boundaries of the 24 regions with their designated COG number and a legend that includes the name of each COG. Information about a COG's regional solid waste plan can be found on the Texas Association of Regional Councils website ([www.txregionalcouncil.org/regional-councils/](http://www.txregionalcouncil.org/regional-councils/)).

Although remaining capacity was not evenly distributed, the state appeared to have an adequate reserve of MSW landfill capacity (10 years or more) in 2019, as presented in Table 6. The Concho Valley COG region (COG 10) had the least amount of reserve capacity at 22 years.

## Landfill Capacity Information



**Figure 4. Texas Councils of Governments**



Landfill Capacity Information

Table 6. Disposal and Capacity Data for Texas COG Regions in 2019

COG	Landfill Count	Percent of Total Landfill Count	Tons Disposed	Percent of Total Tons Disposed in State	Population in COG Region	Pounds Disposed Per Person Per Day	Remaining Capacity in COG Region, in Tons	Percent of Remaining Capacity in State	Reserve Capacity in COG Region, in Years
<b>1 PRPC</b>	22	11.11	599,235	1.63	433,991	7.57	46,639,688	2.41	78
<b>2 SPAG</b>	20	10.10	588,094	1.60	438,104	7.36	74,879,235	3.87	127
<b>3 NRPC</b>	3	1.52	328,245	0.89	220,781	8.15	48,901,160	2.53	149
<b>4 NCTCOG</b>	22	11.11	10,887,366	29.58	7,765,907	7.68	386,254,427	19.98	35
<b>5 ATCOG</b>	3	1.52	456,123	1.24	283,431	8.82	92,849,236	4.80	204
<b>6 ETCOG</b>	4	2.02	705,891	1.92	873,311	4.43	98,952,468	5.12	140
<b>7 WCTCOG</b>	15	7.58	522,089	1.42	329,716	8.68	82,741,702	4.28	158
<b>8 RGCOG</b>	7	3.54	484,656	1.32	864,476	3.07	56,289,156	2.91	116
<b>9 PBRPC</b>	15	7.58	1,003,304	2.73	501,684	10.96	40,181,324	2.08	40
<b>10 CVCOG</b>	8	4.04	216,067	0.59	160,755	7.36	4,724,883	0.24	22
<b>11 HOTCOG</b>	4	2.02	829,710	2.25	372,408	12.21	44,768,471	2.32	54
<b>12 CAPCOG</b>	4	2.02	2,630,657	7.15	2,351,549	6.13	59,855,861	3.10	23
<b>13 BVCOG</b>	1	0.51	412,544	1.12	361,178	6.26	24,941,235	1.29	60
<b>14 DETCOG</b>	4	2.02	681,470	1.85	384,599	9.71	41,381,130	2.14	61
<b>15 SETRPC</b>	4	2.02	775,387	2.11	392,563	10.82	30,383,815	1.57	39
<b>16 HGAC</b>	27	13.64	9,374,831	25.47	7,238,804	7.10	322,411,380	16.68	34
<b>17 GCRPC</b>	1	0.51	154,677	0.42	196,943	4.30	3,587,771	0.19	23
<b>18 AACOG</b>	7	3.54	2,754,163	7.48	2,667,198	5.66	162,792,644	8.42	59
<b>19 STDC</b>	4	2.02	408,137	1.11	360,664	6.20	53,437,127	2.76	131
<b>20 CBCOG</b>	7	3.54	808,886	2.20	594,070	7.46	92,463,215	4.78	114
<b>21 LRGVDC</b>	5	2.53	1,331,020	3.62	1,313,228	5.55	115,851,812	5.99	87
<b>22 TCOG</b>	1	0.51	225,125	0.61	212,983	5.79	9,756,662	0.50	43
<b>23 CTCOG</b>	2	1.01	482,281	1.31	504,515	5.24	29,637,123	1.53	61
<b>24 MRGDC</b>	8	4.04	144,505	0.39	173,023	4.58	9,416,396	0.49	65
<b>Totals</b>	<b>198</b>	<b>100</b>	<b>36,804,463</b>	<b>100</b>	<b>28,995,881</b>	<b>6.96</b>	<b>1,933,097,921</b>	<b>100</b>	<b>53</b>

**Table 7. Historical Disposal and Capacity Data for Texas MSW Landfills**

<b>Year</b>	<b>Waste Disposal in Tons</b>	<b>State Population</b>	<b>Per Capita Disposal Rate in Pounds per Person per Day</b>	<b>Number of Active Landfills</b>	<b>Remaining Capacity in Cubic Yards</b>	<b>Remaining Capacity in Tons</b>	<b>Reserve Capacity in Years</b>
1986	17,283,977	16,562,639	5.72	790	1,194,118,393	388,088,478	23
1987	18,269,917	16,623,592	6.02	763	1,188,680,680	386,301,221	21
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

## Landfill Capacity Information

<b>Year</b>	<b>Waste Disposal in Tons</b>	<b>State Population</b>	<b>Per Capita Disposal Rate in Pounds per Person per Day</b>	<b>Number of Active Landfills</b>	<b>Remaining Capacity in Cubic Yards</b>	<b>Remaining Capacity in Tons</b>	<b>Reserve Capacity in Years</b>
2014	32,371,574	26,956,958	6.58	198	2,867,269,225	1,939,340,177	60
2015	33,449,560	27,469,114	6.67	199	2,789,966,234	1,865,784,374	56
2016	34,732,251	27,862,596	6.83	195	2,814,101,889	1,932,723,830	56
2017	35,307,308	28,304,596	6.84	196	2,833,951,162	1,926,872,853	55
2018	37,842,883	28,701,845	7.22	198	2,786,475,132	1,916,359,076	51
2019	36,804,463	28,995,881	6.96	198	2,804,243,828	1,933,097,921	53



# Trends

## Landfill Closures

In 1986, there were 790 authorized MSW landfills in Texas accepting waste, but by 1994, there were only 199 (Table 7 and Figure 5). The federal Resource Conservation and Recovery Act (RCRA) Subtitle D standards established in October 1991 required MSW landfills to upgrade designs, operating practices, and closure specifications; restricted the location of MSW landfills; and required MSW landfills to install liners and implement groundwater monitoring. The new federal requirements were a contributing factor in the closure of landfills across the state in the early 1990s.

Between 1995 and 2012, the total number of active landfills was about 187, and by 2019, there were 198 facilities. This increase was largely a result of the addition of a new type of landfill (monofill) that was established in 2013 for the disposal of demolition waste from properties with nuisance and abandoned buildings that are owned or controlled by a county or municipality. The number of monofills contributing to the total landfill count increased from 4 in 2013 to 11 in 2019.

## Reserve Capacity

As discussed earlier in the *Landfill Capacity* section of this report, reserve capacity (expressed in terms of years) is the total remaining capacity (expressed in terms of tons) divided by the total waste disposal rate (tons disposed) for the current reporting year. From 1986 to 1996, the state's reserve capacity for disposal in MSW landfills was less than 30 years (Table 7 and Figure 5). The capacity steadily increased with a maximum of 64 years reached in 2011. The 2019 reserve capacity for disposal was approximately 53 years.

Expansion in the available volume of permitted disposal capacity, diversion from disposal, improvements in compaction, and the state's economic activity are probable contributing factors affecting the reserve capacity trend. For example, the average compaction rate in 1986 was approximately 650 pounds of waste per cubic yard; in 2000 the average rate was approximately 1,000 pounds per cubic yard; and in 2019 the calculated average compaction rate was 1,088 pounds per cubic yard.

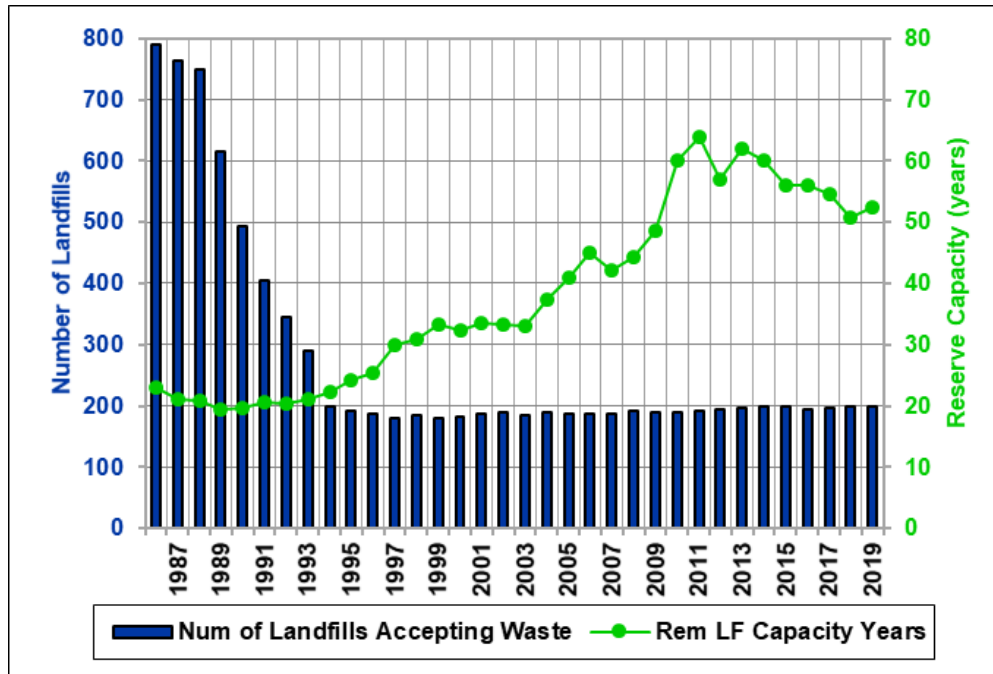


Figure 5. Number of MSW Landfills and Reserve Capacity Years

## Landfill Size

In addition to improvements in operations at MSW landfills, the size of landfills has continued to increase. In 1986, the statewide average landfill size was 50 acres with an average height of 13 feet. In 2019, the statewide average landfill size was 254 acres with an average height of 88 feet. Landfill height was calculated as the difference between the reported site permanent benchmark elevation and final cover elevation. All calculations excluded monofills.

The breakdown of the permitted heights for MSW landfills in 2019 is presented in Table 8. Abilene Regional Landfill (MSW Permit No. 1469A; COG 7) remains the only landfill with height over 300 feet.

Table 8. Permitted Heights for MSW Landfills in 2019 (excludes monofills)

Permitted Height	Number of Landfills	Percent of Landfills
<100 ft	112	60
100 ft – 200 ft	53	28
200 ft – 300 ft	21	11
>300 ft	1	<1

## Counties Served

Table 9 summarizes how many counties that landfills served; approximately two-thirds of the landfills served more than one county in 2019. Table 10 displays how many active landfills are in each of the 254 counties in Texas and whether there was a change in the number from the previous year. In addition, counties with monofills are indicated.

**Table 9. Number of Texas Counties Served by MSW Landfills in 2019**

<b>Number of Landfills</b>	<b>Number of Counties Served</b>
71	1
58	2 - 5
49	6 - 10
8	11 - 15
7	16 - 20
5	>20

Table 10. Number of Active MSW Landfills by County in 2019

County	Number of Active Landfills	County	Number of Active Landfills	County	Number of Active Landfills	County	Number of Active Landfills	County	Number of Active Landfills
Anderson	0	Caldwell	0	Cottle	0 (decrease)	Fayette	0	Hardin	1
Andrews	1	Calhoun	0	Crane	1 (decrease)	Fisher	0	Harris	14
Angelina	1	Callahan	2 (monofills)	Crockett	0	Floyd	1	Harrison	0
Aransas	0	Cameron	1	Crosby	0	Foard	0	Hartley	0
Archer	0	Camp	0	Culberson	0	Fort Bend	3	Haskell	2 (monofill)
Armstrong	1	Carson	1	Dallam	1	Franklin	0	Hays	0
Atascosa	0	Cass	0	Dallas	4	Freestone	0	Hemphill	0
Austin	0	Castro	1	Dawson	1	Frio	0	Henderson	0
Bailey	2	Chambers	2	Deaf Smith	1	Gaines	1	Hidalgo	4
Bandera	0	Cherokee	1	Delta	0	Galveston	3	Hill	1
Bastrop	0	Childress	1	Denton	4	Garza	1	Hockley	2
Baylor	0	Clay	0	DeWitt	0	Gillespie	1	Hood	0
Bee	0	Cochran	1	Dickens	1 (monofill)	Glasscock	1	Hopkins	0
Bell	1	Coke	0	Dimmit	1	Goliad	0	Houston	0
Bexar	2	Coleman	1 (increase) (monofill)	Donley	1 (monofill)	Gonzales	0	Howard	1
Blanco	0	Collin	2 (increase)	Duval	1	Gray	3	Hudspeth	2
Borden	0	Collingsworth	1	Eastland	0	Grayson	1 (decrease)	Hunt	1
Bosque	0	Colorado	1	Ector	1	Gregg	1	Hutchinson	0
Bowie	1	Comal	1	Edwards	0	Grimes	1	Irion	0
Brazoria	2	Comanche	0	El Paso	2	Guadalupe	1	Jack	0
Brazos	0	Concho	0	Ellis	3	Hale	1	Jackson	0
Brewster	2	Cooke	0	Erath	1	Hall	1	Jasper	0
Briscoe	0	Coryell	1	Falls	0	Hamilton	0	Jeff Davis	0
Brooks	1			Fannin	0	Hansford	1	Jefferson	3
Brown	1					Hardeman	1 (monofill)	Jim Hogg	0
Burleson	0							Jim Wells	1
Burnet	0								



## Trends

County	Number of Active Landfills
Johnson	2
Jones	3 (monofill)
Karnes	0
Kaufman	0
Kendall	0
Kenedy	0
Kent	0
Kerr	1
Kimble	1
King	0
Kinney	1
Kleberg	1
Knox	0
La Salle	0
Lamar	1
Lamb	3
Lampasas	0
Lavaca	0
Lee	0
Leon	0
Liberty	0
Limestone	1
Lipscomb	1
Live Oak	0
Llano	0
Loving	0

County	Number of Active Landfills
Lubbock	3
Lynn	1
Madison	0
Marion	0
Martin	1
Mason	1
Matagorda	0
Maverick	2
McCulloch	1
McLennan	2
McMullen	1
Medina	0
Menard	1
Midland	1
Milam	0
Mills	0
Mitchell	1
Montague	0
Montgomery	2
Moore	2
Morris	0
Motley	1
Nacogdoches	1
Navarro	1
Newton	1
Nolan	1
Nueces	3

County	Number of Active Landfills
Ochiltree	1
Oldham	1
Orange	0
Palo Pinto	0
Panola	0
Parker	1
Parmer	0
Pecos	1
Polk	1
Potter	1
Presidio	1
Rains	0
Randall	1
Reagan	1
Real	0
Red River	0
Reeves	1
Refugio	0
Roberts	0
Robertson	0
Rockwall	0
Runnels	2 (increase) (monofills)
Rusk	1
Sabine	0
San Augustine	0

County	Number of Active Landfills
San Jacinto	0
San Patricio	0
San Saba	0
Schleicher	2
Scurry	1
Shackelford	0
Shelby	0
Sherman	0
Smith	1
Somervell	0
Starr	1
Stephens	1 (monofill)
Sterling	0
Stonewall	0
Sutton	0
Swisher	1
Tarrant	3
Taylor	0
Terrell	1
Terry	2
Throckmorton	0
Titus	1
Tom Green	1
Travis	3
Trinity	0
Tyler	0

County	Number of Active Landfills
Upshur	0
Upton	2
Uvalde	1
Val Verde	1
Van Zandt	0
Victoria	1
Walker	0
Waller	0
Ward	1
Washington	0
Webb	2
Wharton	0
Wheeler	1
Wichita	2
Wilbarger	0
Willacy	0
Williamson	1
Wilson	0
Winkler	0
Wise	0
Wood	0
Yoakum	1
Young	0
Zapata	1
Zavala	2



# Materials Diverted from Disposal at MSW Landfills

## Overview

Public and private programs for reducing, reusing, and recycling assist in preserving disposal capacity in MSW landfills. Every day throughout the state, paper, glass, aluminum cans, plastic, scrap metal, wood, electronics, scrap tires, organic materials, and other materials are diverted from disposal at landfills. Information about recycling initiatives for individuals, businesses, and local governments is available on the TCEQ *Recycling* web page ([www.tceq.texas.gov/p2/recycle/recycling.html](http://www.tceq.texas.gov/p2/recycle/recycling.html)). Information about how Texans can get involved in protecting the state's resources, including ways to reduce the amount of waste they generate, can be found on the *Take Care of Texas* website at [TakeCareofTexas.org](http://TakeCareofTexas.org).

In 2019, the Texas Legislature directed the TCEQ to conduct a study to develop a Recycling Market Development Plan for promotion of using recyclable materials as feedstock in processing and manufacturing. The results of this study will be included in the annual summary for fiscal year 2020. Additional information can be found on the TCEQ *Recyclable Materials Feedstock Study* web page ([www.tceq.texas.gov/p2/recycle/recyclable-materials-feedstock-study](http://www.tceq.texas.gov/p2/recycle/recyclable-materials-feedstock-study)).

## Electronics

In Texas, television (TV) recyclers are required to report annually the total weight or volume of covered television equipment (defined in *Waste and Material Type Descriptions* section of this report) received, recycled, and disposed of in the preceding calendar year (January 1 through December 31). In the last few years, there was a steady decrease in the number of active TV recyclers. Development of lighter and more compact television equipment and changes in the global recycling market were probable contributing factors in the decrease of recyclable material available to be processed. In 2013, the first year for reporting, there were 16 facilities that together received 22.1 million pounds and recycled 21.7 million pounds of TV equipment; in 2016, 10 facilities received about 18.7 million pounds and recycled 17.1 million pounds; and in 2019, only 6 facilities were active, receiving approximately 11.3 million pounds and recycling 10.7 million pounds.

Manufacturers of TV and computer equipment are also required to annually report the amount of equipment collected, recycled, and reused.

## Materials Diverted from Disposal at MSW Landfills

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Information about the TV and computer recycling programs, including amounts reported, is available on the TCEQ website at [TexasRecyclesTVs.org](https://www.tceq.texas.gov/recycling/tvs) and [TexasRecyclesComputers.org](https://www.tceq.texas.gov/recycling/computers), respectively.

## Scrap Tires

Scrap tires can be a valuable commodity when properly managed and used to produce various products such as crumb rubber, mulch, and thermal insulators; used in civil engineering projects; or processed as a fuel source. In Texas, facility owners or operators that transport or process used and scrap tires are required to submit an annual report for the preceding calendar year. In calendar year 2019, approximately 44.8 million used and scrap tires were managed by transporters, storage sites, and scrap tire processing facilities.

Information about the scrap tire management program, including the 2019 annual report summary, can be found on the TCEQ *Annual Reporting for Used or Scrap Tire Transporters, Storage Sites, and Facilities* web page ([www.tceq.texas.gov/tires/tires-reporting](https://www.tceq.texas.gov/tires/tires-reporting)).

## Other Diverted Materials

Some materials accepted at permitted and registered MSW facilities are diverted from the solid waste stream as recyclable materials. In 2019, over 1.7 million tons of materials were reported as diverted from MSW facilities for recycling or reuse: 850,171 tons diverted at landfills, as reported by 105 landfills; and 858,930 tons diverted at processing facilities, as reported by 76 facilities. Transfer stations represented most of the processing facilities diverting recyclable materials.

The various material streams and estimated amounts reported as diverted by MSW facilities in 2019 are presented in Table 11. The “Yard Trimmings or Brush” and the “Construction or Demolition Material” categories represented the largest quantities of materials diverted. The category of “Unclassified Materials” consisted mainly of residential comingled recyclables, but also included items such as batteries, food waste, and miscellaneous building materials. It is noted that data in the table represent only the amount of recyclable material leaving an MSW disposal or processing facility and may or may not be included in the numbers reported by recycling facilities, such as computer recyclers, TV recyclers, and scrap tire processors. Descriptions for several of the material types listed in Table 11 are provided in the *Waste and Material Type Descriptions* section of this report.

Materials Diverted from Disposal at MSW Landfills

**Table 11. Types and Amounts of Diverted Materials in 2019**

<b>Material Type</b>	<b>Tons Diverted</b>	<b>Percent of Total Tons Diverted</b>
Yard Trimmings or Brush	621,894	36.39
Metal	48,477	2.84
Glass	39,471	2.31
Plastics	25,790	1.51
Paper or Cardboard	281,980	16.50
Construction or Demolition Material	369,935	21.65
Electronic Equipment	391	0.02
White Goods	2,052	0.12
Tires	5,546	0.32
Automotive	3	<0.01
Shingles	12,043	0.70
Used Oil	1,004	0.06
Unclassified Materials	300,515	17.58
<b>Total</b>	<b>1,709,101</b>	<b>100</b>



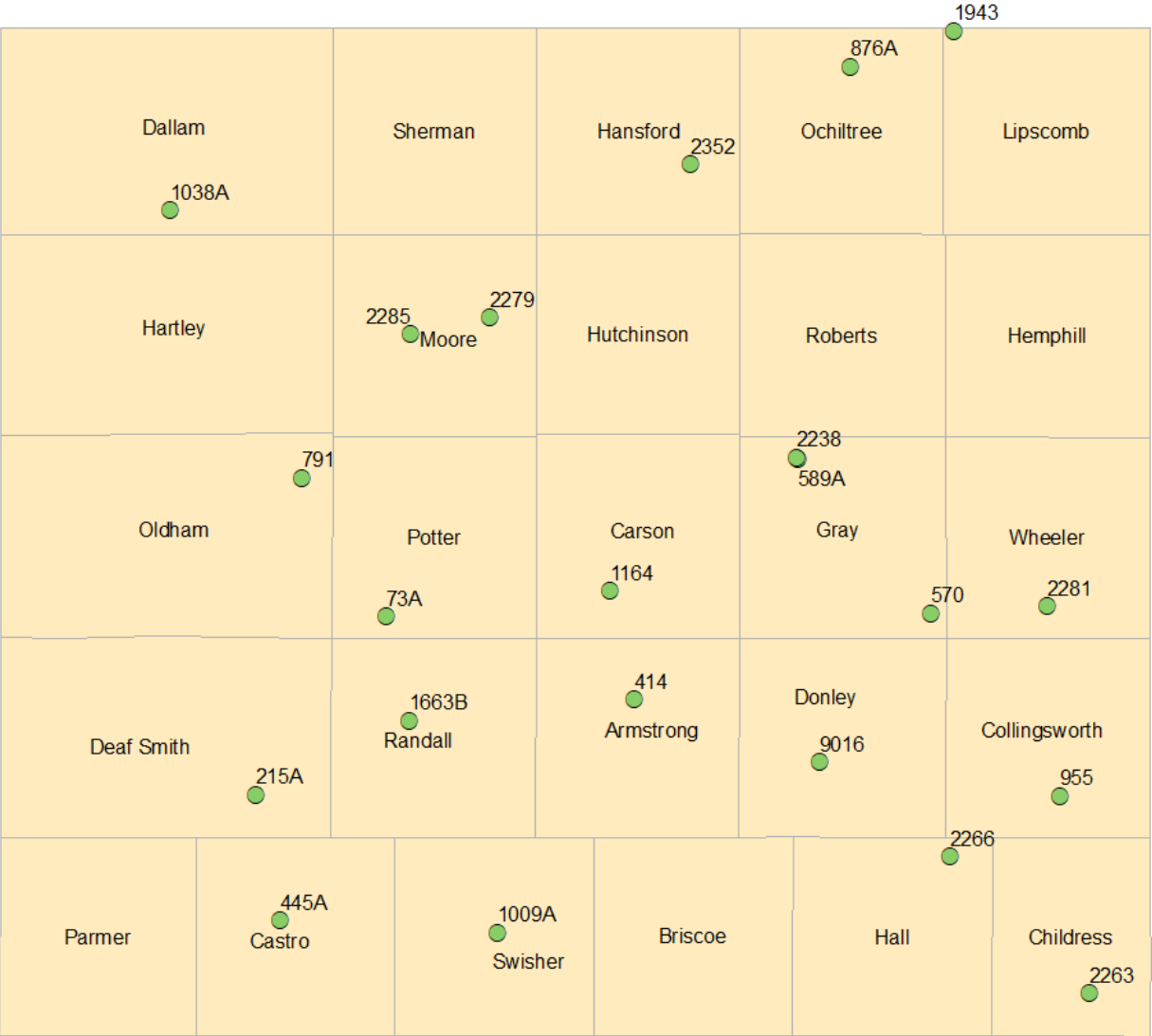
# Facility Data for MSW Landfills

The maps and tables included in this section represent the active MSW landfill data reported for 2019. The maps and tables are organized by COG region and county. All reported values were rounded to the nearest whole number.

## Key for Landfill Data Tables

Column Heading	Description
Type	Facility types are identified by numbers ("1" for standard landfill; "4" for C&D landfill), except for Monofills. Landfills that are arid-exempt include a number followed by the abbreviation "AE."
2019 Tons	Total tons landfilled in 2019
Rem Yds	Remaining landfill capacity in cubic yards
Rate	Reported compaction rate at the landfill in pounds per cubic yard
Rem Tons	Remaining landfill capacity in equivalent tons (based on reported landfill compaction rate)
Rem Yrs	Remaining landfill capacity in years (estimate provided in a facility's annual report based on permitted volume for waste capacity and facility operations). This measure is not applicable (NA) to monofills, which are authorized through a renewable five-year permit by rule.

**COG 1: Panhandle Regional Planning Commission—Landfill Locations**

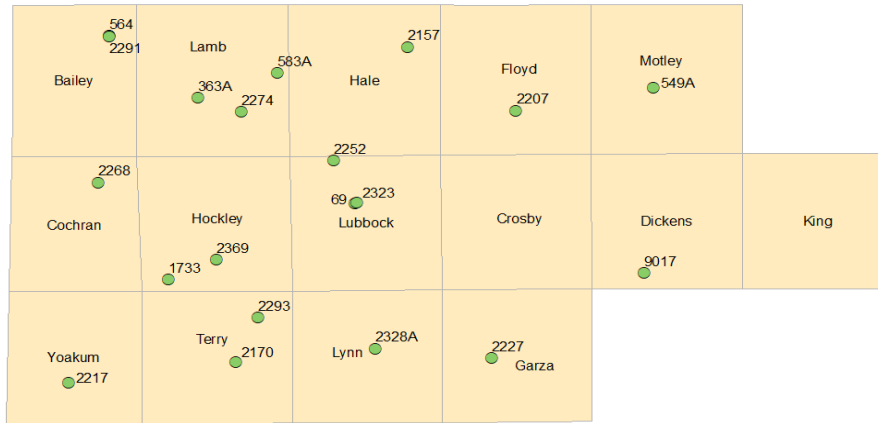




**COG 1: Panhandle Regional Planning Commission—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
1	414	Claude Armstrong County Landfill	Armstrong	4AE	2,148	189,053	500	47,263	21
1	1164	City of Panhandle Landfill	Carson	1AE	2,350	434,689	550	119,539	50
1	445A	City of Dimmitt Landfill	Castro	1AE	4,591	1,111,945	750	416,979	91
1	2263	City of Childress Landfill	Childress	1AE&4AE	2,683	2,326,730	800	930,692	117
1	955	City of Wellington Landfill	Collingsworth	1AE	3,980	446,860	800	178,744	45
1	1038A	City of Dalhart Landfill	Dallam	1AE&4AE	12,066	1,126,663	785	442,215	36
1	215A	City of Hereford Landfill	Deaf Smith	4AE	3,647	245,413	850	104,301	25
1	9016	City of Clarendon Abandoned and Nuisance Building Disposal Facility	Donley	MONOFILL	1,940	1,485,800	400	312,018	NA
1	570	City of McLean Landfill	Gray	1AE	870	537,347	800	214,939	10
1	589A	City of Pampa Landfill	Gray	4AE	2,341	437,068	1,000	218,534	93
1	2238	City of Pampa Landfill	Gray	1	48,518	8,221,584	947	3,892,920	80
1	2266	City of Memphis Landfill	Hall	1AE	6,147	879,586	800	351,834	57
1	2352	City of Spearman Landfill	Hansford	1AE	4,576	561,564	1,000	280,782	1
1	1943	City of Booker Landfill	Lipscomb	1AE	1,616	422,222	850	179,444	50
1	2279	City of Dumas Landfill	Moore	1	15,354	8,064,148	1,000	4,032,074	111
1	2285	City of Dumas Landfill	Moore	4AE	3,761	201,546	800	80,618	3
1	876A	Perryton Landfill	Ochiltree	1AE&4AE	6,854	1,279,840	890	569,529	84
1	791	Cal Farleys Boys Ranch Landfill	Oldham	4AE	500	114,600	400	22,920	43
1	73A	City of Amarillo Landfill	Potter	1	266,655	62,440,624	1,047	32,687,667	123
1	1663B	Southwest Landfill TX	Randall	1	199,343	1,704,156	1,367	1,164,791	6
1	1009A	City of Tulia Landfill	Swisher	1AE&4AE	5,475	705,256	850	299,734	45
1	2281	City of Shamrock Landfill	Wheeler	1AE	3,820	230,378	800	92,151	24

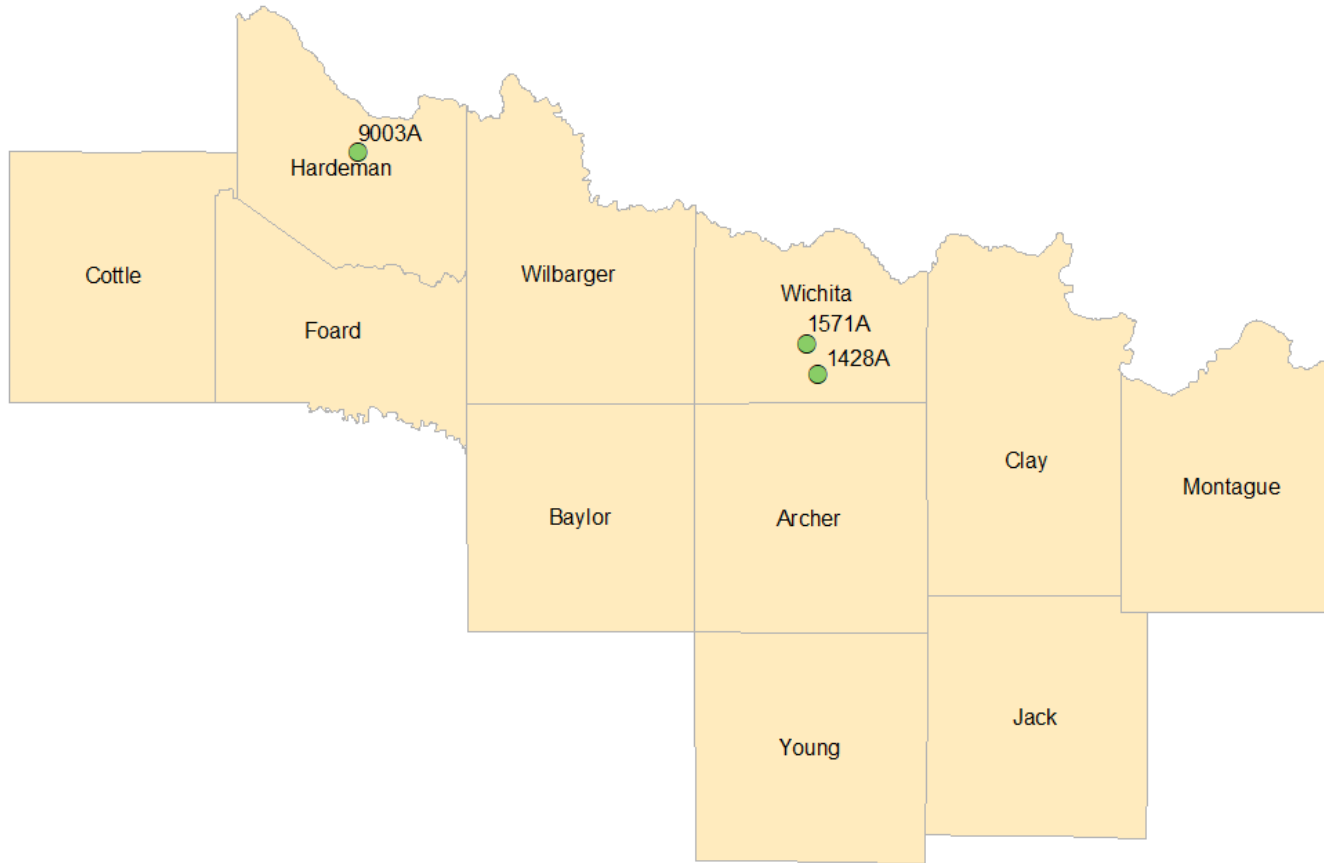
## COG 2: South Plains Association of Governments—Landfill Locations



### COG 2: South Plains Association of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
2	564	City of Muleshoe Landfill	Bailey	4AE	1,840	136,728	800	54,691	10
2	2291	City of Muleshoe Landfill	Bailey	1AE	7,237	376,856	800	150,742	20
2	2268	Morton Landfill	Cochran	4AE	52	803,038	400	160,608	92
2	9017	City of Spur House Disposal Site	Dickens	MONOFILL	2,867	13,434	400	2,821	NA
2	2207	City of Floydada Landfill	Floyd	1AE&4AE	5,694	776,642	830	322,306	58
2	2227	City of Post Landfill	Garza	1AE&4AE	4,560	63,911	804	25,692	6
2	2157	City of Plainview Landfill	Hale	1	31,607	9,716,503	896	4,352,993	138
2	1733	City of Sundown Landfill	Hockley	4AE	310	218,596	850	92,903	141
2	2369	City of Levelland Landfill	Hockley	1AE&4AE	10,928	4,687,041	561	1,314,715	120
2	363A	City of Amherst Landfill	Lamb	4AE	33	49,133	400	9,827	295
2	583A	City of Olton Landfill	Lamb	1AE&4AE	9,368	724,231	670	242,617	29
2	2274	Littlefield Municipal Landfill	Lamb	1AE&4AE	8,076	1,199,846	1,400	839,892	74
2	69	City of Lubbock Landfill	Lubbock	1	26,814	325,715	842	137,126	5
2	2252	City of Lubbock West Texas Regional Disposal Facility	Lubbock	1	297,542	104,279,071	1,205	62,828,140	211
2	2323	C & D Waste Landfill	Lubbock	4	134,067	1,604,180	1,000	802,090	6
2	2328A	City of Tahoka Landfill	Lynn	1AE&4AE	10,438	754,310	850	320,582	44
2	549A	City of Matador Landfill	Motley	1AE	2,928	458,697	968	222,009	70
2	2170	City of Brownfield Landfill	Terry	1	13,792	4,280,165	881	1,885,413	137
2	2293	City of Meadow Landfill	Terry	1AE&4AE	11,016	952,114	800	380,846	20
2	2217	Yoakum County Landfill	Yoakum	1AE&4AE	8,925	1,833,055	800	733,222	82

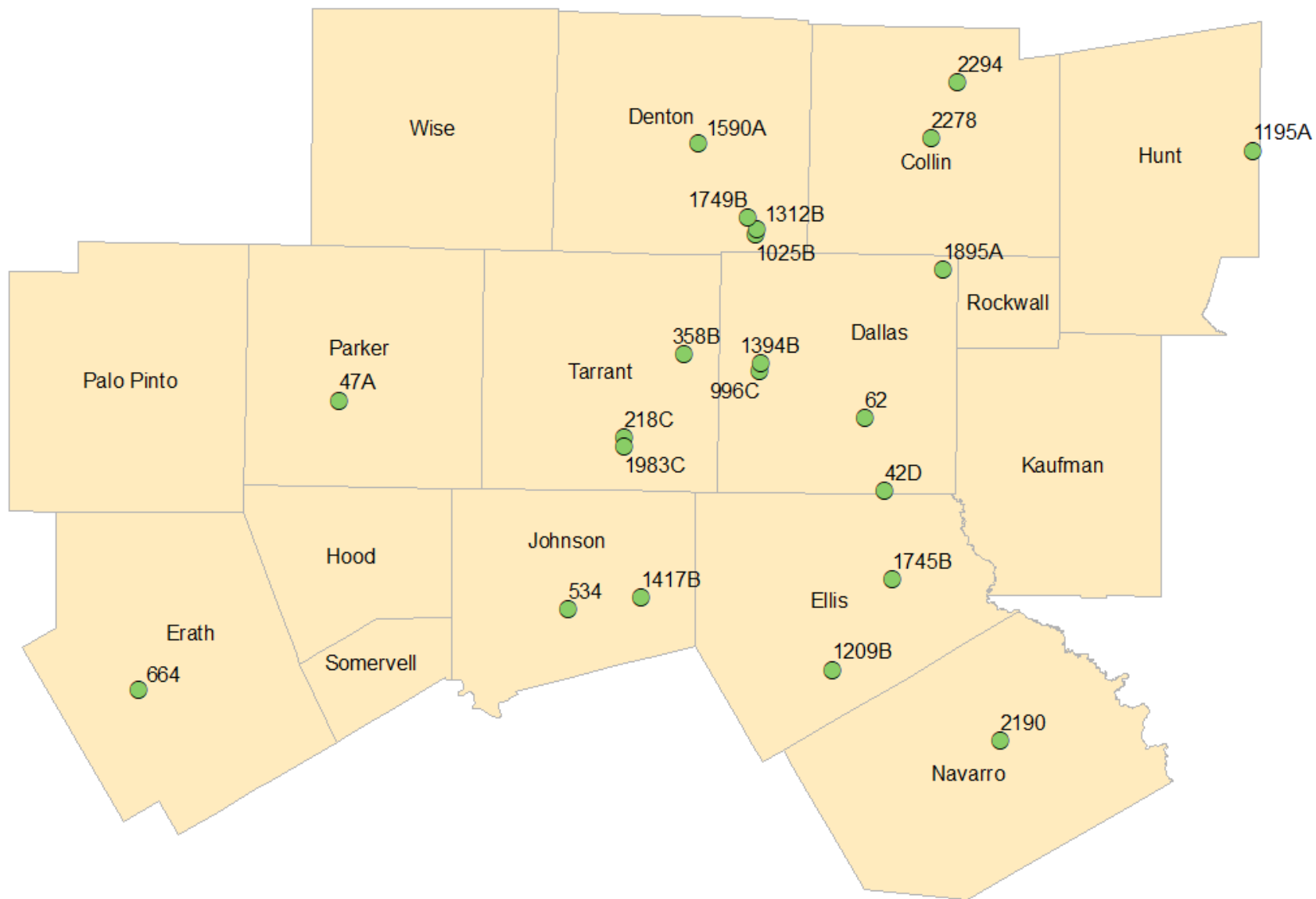
**COG 3: Nortex Regional Planning Commission—Landfill Locations**



**COG 3: Nortex Regional Planning Commission—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
3	9003A	City of Quanah Abandoned and Nuisance Building Disposal Facility	Hardeman	MONOFILL	4	2,060	400	433	NA
3	1428A	City of Wichita Falls Landfill	Wichita	1	154,748	69,500,545	899	31,240,495	202
3	1571A	Buffalo Creek Landfill	Wichita	1	173,493	28,054,380	1,259	17,660,232	95

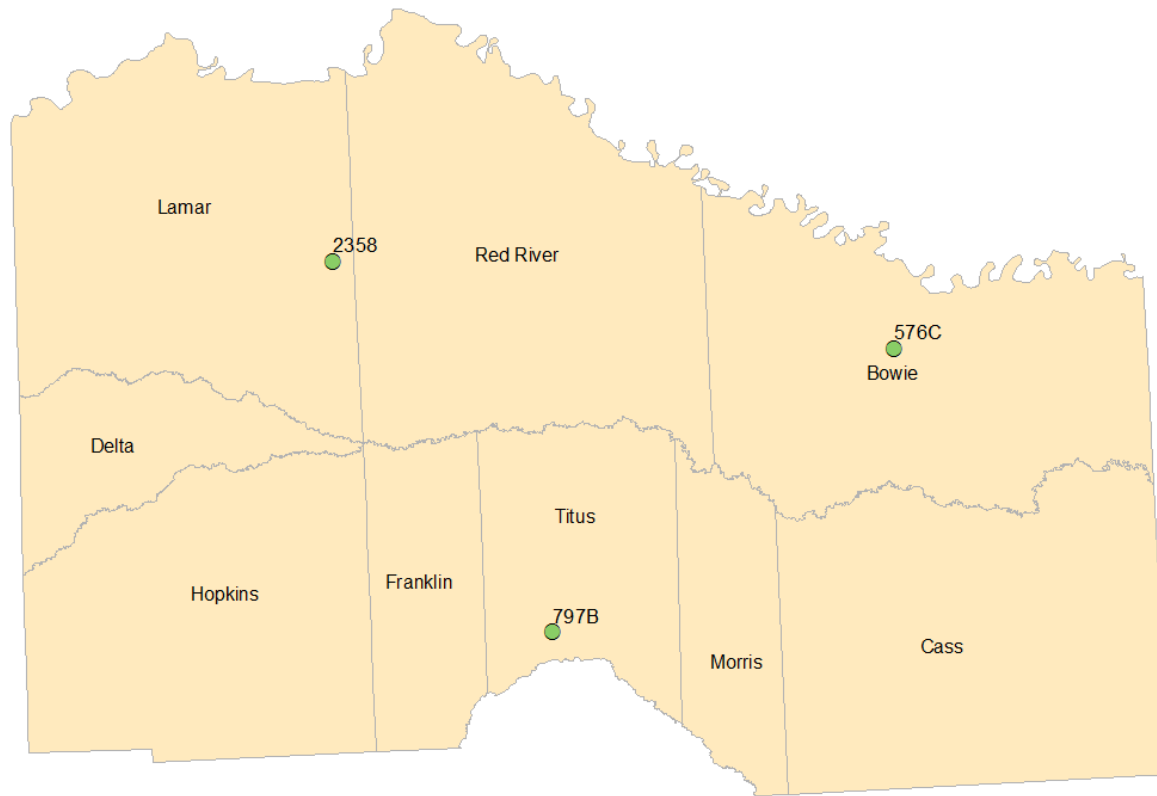
### COG 4: North Central Texas Council of Governments—Landfill Locations



**COG 4: North Central Texas Council of Governments—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
4	2278	Osttend C and D Waste Landfill	Collin	4	1,518	12,396,147	900	5,578,266	15
4	2294	121 Regional Disposal Facility	Collin	1	1,009,203	114,554,311	1,459	83,567,370	83
4	62	City of Dallas McCommas Bluff Landfill	Dallas	1	1,782,700	76,969,759	1,600	61,575,807	36
4	996C	City of Grand Prairie Landfill	Dallas	1	246,385	10,752,075	1,650	8,870,462	34
4	1394B	Hunter Ferrell Landfill	Dallas	1	206,447	12,701,663	1,060	6,731,881	32
4	1895A	Charles M Hinton Jr Regional Landfill	Dallas	1	576,801	28,410,655	1,138	16,165,663	28
4	1025B	DFW Recycling and Disposal Facility	Denton	1	1,400,544	3,991,521	1,740	3,472,623	2
4	1312B	Camelot Landfill	Denton	1	681,777	33,468,395	1,562	26,138,816	38
4	1590A	City of Denton Landfill	Denton	1	292,189	8,124,107	1,106	4,492,631	15
4	1749B	Lewisville Landfill	Denton	4	12,981	20,017,706	1,698	16,995,032	62
4	42D	Waste Management Skyline Landfill	Ellis	1	1,408,513	41,123,529	1,460	30,020,176	24
4	1209B	CSC Disposal and Landfill	Ellis	1	15	30,963,909	1,110	17,184,969	100
4	1745B	Ellis County Landfill	Ellis	1	165,214	38,790,377	1,448	28,084,233	170
4	664	City of Stephenville Landfill	Erath	4	13,329	766,986	1,200	460,192	27
4	1195A	Republic Maloy Landfill	Hunt	1	138,983	4,706,035	1,072	2,522,435	18
4	534	City of Cleburne Landfill	Johnson	1	576	15,335	1,000	7,668	13
4	1417B	Turkey Creek Landfill	Johnson	1	589,717	5,472,531	1,743	4,769,311	7
4	2190	City of Corsicana Landfill	Navarro	1	106,487	22,465,436	1,000	11,232,718	105
4	47A	Weatherford Landfill	Parker	1	172,631	599,698	1,446	433,582	2
4	218C	City of Fort Worth Southeast Landfill	Tarrant	1	832,859	20,811,879	1,436	14,942,929	18
4	358B	City of Arlington Landfill	Tarrant	1	910,524	46,781,158	1,641	38,383,940	42
4	1983C	Fort Worth C and D Landfill	Tarrant	4	337,973	6,875,425	1,345	4,623,723	16

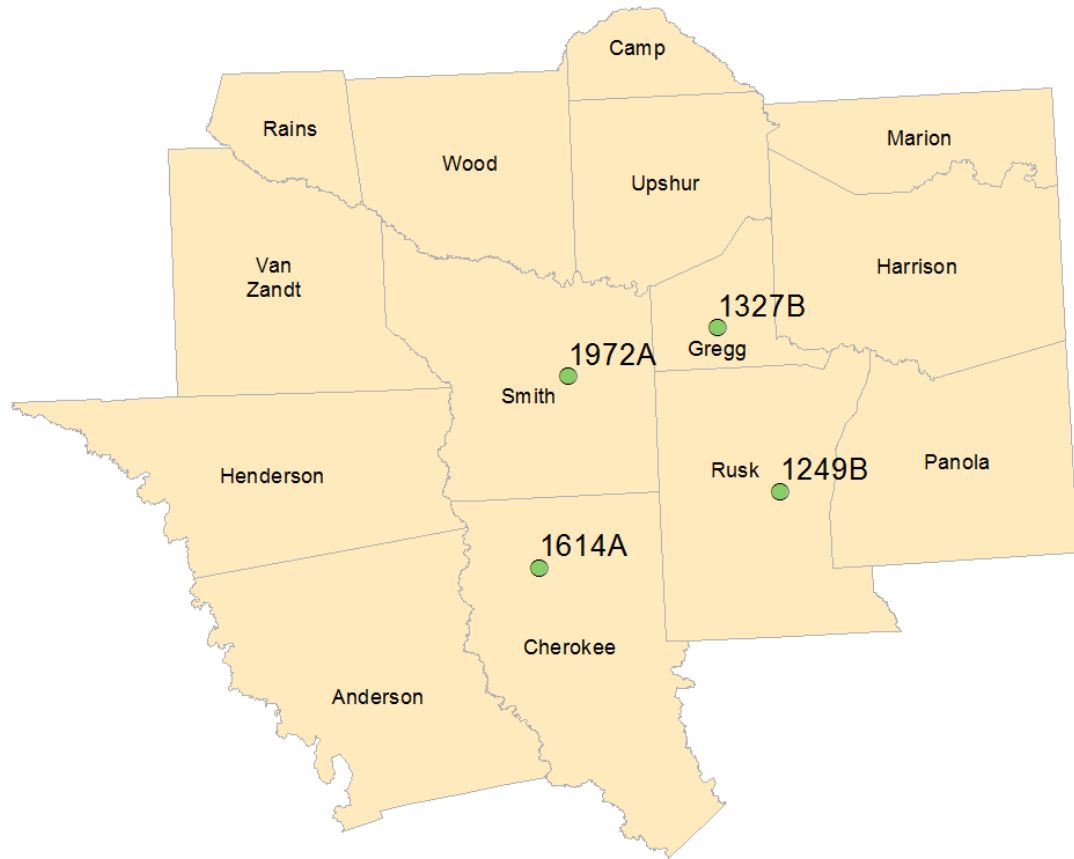
## COG 5: Ark-Tex Council of Governments—Landfill Locations



### COG 5: Ark-Tex Council of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
5	576C	New Boston Landfill	Bowie	1	142,560	10,208,197	1,120	5,716,590	40
5	2358	Blossom Prairie Landfill	Lamar	1	204,492	93,923,348	1,400	65,746,344	218
5	797B	Pleasant Oaks Landfill	Titus	1	109,071	19,345,366	2,211	21,386,302	196

**COG 6: East Texas Council of Governments—Landfill Locations**



**COG 6: East Texas Council of Governments—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
6	1614A	Royal Oaks Landfill	Cherokee	1	109,883	1,850,294	1,468	1,358,116	12
6	1327B	Pinehill Landfill	Gregg	1	198,875	15,806,192	1,614	12,755,597	64
6	1249B	East Texas Regional Landfill	Rusk	1	186,868	119,881	1,588	95,186	41
6	1972A	Greenwood Farms Landfill	Smith	1	210,265	104,428,304	1,623	84,743,569	403

COG 7: West Central Texas Council of Governments—Landfill Locations





**COG 7: West Central Texas Council of Governments—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
7	1562A	Brownwood Regional Landfill	Brown	1	100,570	16,894,711	1,100	9,292,091	92
7	9008A	City of Cross Plains Abandoned and Nuisance Building Disposal Facility	Callahan	MONOFILL	220	28,622	400	6,011	NA
7	9019	City of Baird Abandoned and Nuisance Building Disposal Facility	Callahan	MONOFILL	35	2,529	400	531	NA
7	9002A	City of Coleman Abandoned and Nuisance Building Disposal Facility	Coleman	MONOFILL	375	100,928	400	21,195	NA
7	1604B	City of Haskell Landfill	Haskell	1AE&4AE	9,346	598,646	700	209,526	1
7	9011	City of Haskell Abandoned and Nuisance Building Disposal Facility	Haskell	MONOFILL	59	333,037	400	69,938	NA
7	1469A	Abilene Landfill	Jones	1	180,540	87,588,251	1,206	52,815,715	293
7	2325	Abilene Environmental Landfill	Jones	1	182,839	18,027,304	1,683	15,169,976	68
7	9004A	City of Anson Abandoned and Nuisance Building Disposal Facility	Jones	MONOFILL	770	347,995	400	73,079	NA
7	420A	City of Colorado City Municipal Landfill	Mitchell	1AE&4AE	8,205	100,825	700	35,289	1
7	50B	City of Sweetwater Landfill	Nolan	4AE	3,129	68,409	400	13,682	NA
7	9005A	City of Winters Abandoned and Nuisance Building Disposal Facility	Runnels	MONOFILL	2,133	0	400	0	NA
7	9013	City of Ballinger Abandoned and Nuisance Building Disposal Landfill	Runnels	MONOFILL	946	38,333	400	8,050	NA
7	1463B	City of Snyder Landfill	Scurry	1	32,889	9,978,762	1,000	4,989,381	152
7	9000A	City of Breckenridge Abandoned and Nuisance Building Disposal Facility	Stephens	MONOFILL	33	177,323	400	37,238	NA

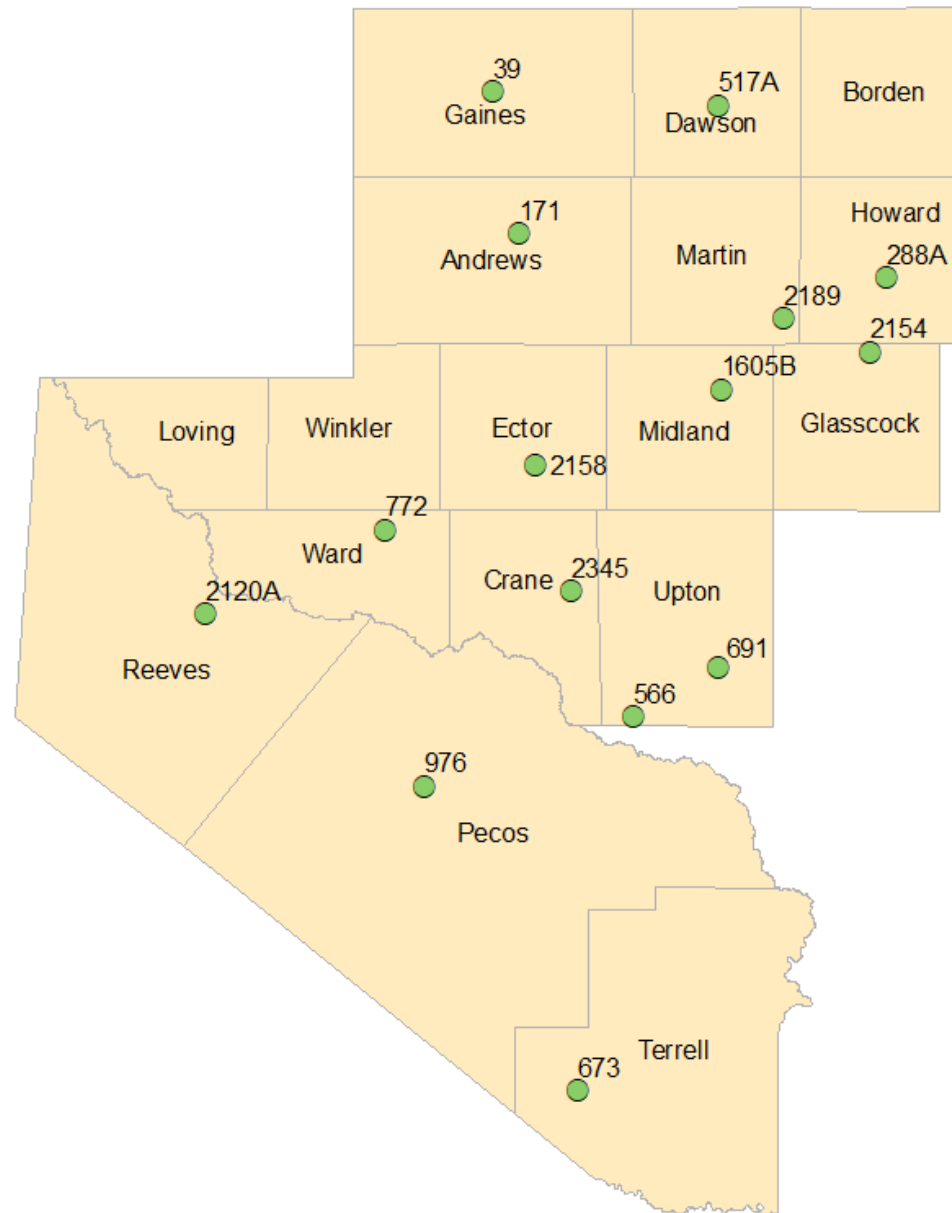
### COG 8: Rio Grande Council of Governments—Landfill Locations



**COG 8: Rio Grande Council of Governments—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
8	1276	Panther Junction Landfill	Brewster	1AE	393	93,021	750	34,883	5
8	2197	City of Alpine Landfill	Brewster	1AE&4AE	14,479	2,781,405	329	457,541	39
8	729B	City of El Paso Landfill	El Paso	1	3	63,469,275	1,300	41,255,029	39
8	2284	Greater El Paso Landfill	El Paso	1	456,049	16,276,396	1,700	13,834,937	19
8	495	Hudspeth County Dell City Landfill	Hudspeth	1AE&4AE	1,285	184,755	850	78,521	17
8	957A	Hudspeth County Sierra Blanca	Hudspeth	1AE&4AE	5,376	1,233,569	850	524,267	58
8	1737A	City of Presidio Landfill	Presidio	1AE	7,071	519,890	400	103,978	14

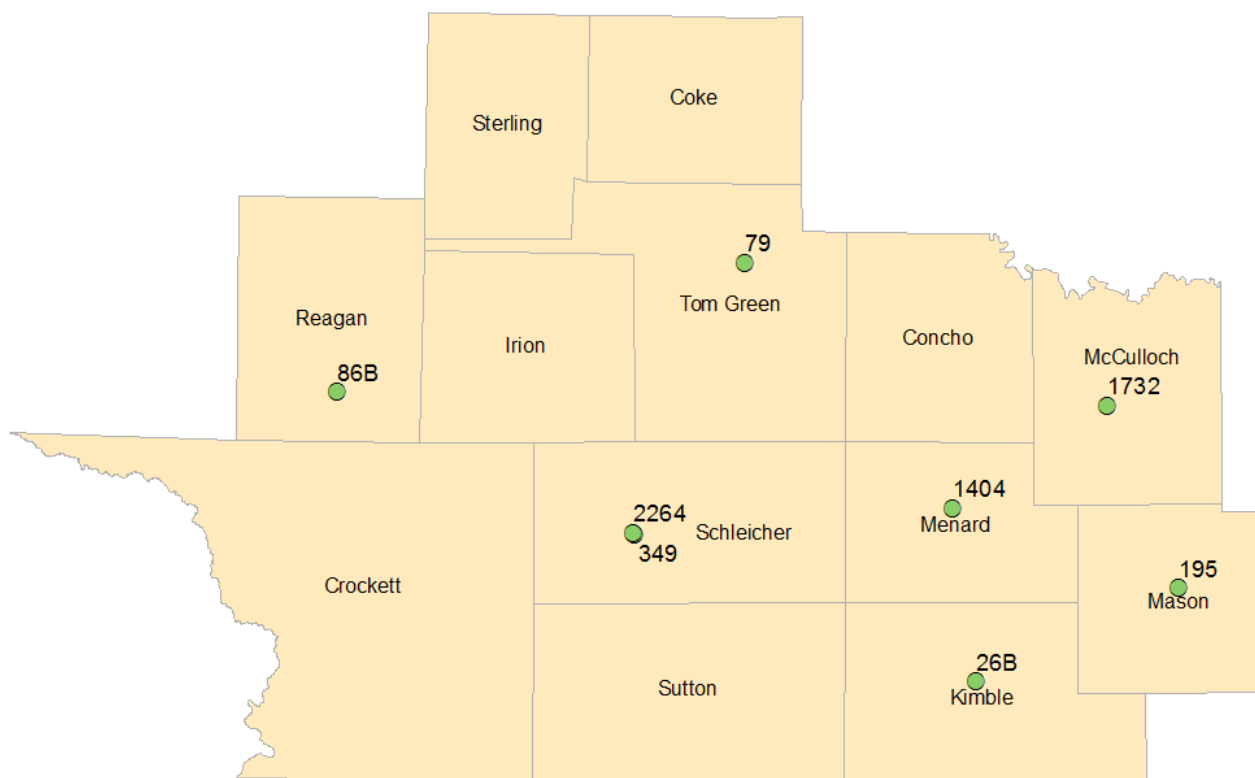
### COG 9: Permian Basin Regional Planning Commission—Landfill Locations



**COG 9: Permian Basin Regional Planning Commission—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
9	171	City of Andrews Landfill	Andrews	1AE&4AE	13,901	810,260	840	340,309	25
9	2345	City of Crane Landfill	Crane	1AE&4AE	3,996	5,101,916	700	1,785,671	447
9	517A	City of Lamesa Landfill	Dawson	1	13,043	1,343,714	735	493,815	38
9	2158	Odessa Landfill	Ector	1	529,705	28,971,643	1,052	15,239,084	29
9	39	City of Seminole Landfill	Gaines	1AE&4AE	13,074	1,452,918	753	547,024	49
9	2154	Glasscock County Landfill	Glasscock	1AE	628	24,333	250	3,042	5
9	288A	City of Big Spring Landfill	Howard	1	41,054	150,883	1,208	91,133	2
9	2189	City of Stanton Landfill	Martin	1AE	6,259	490,981	1,000	245,490	39
9	1605B	City of Midland Landfill	Midland	1	336,136	31,245,207	1,264	19,746,971	59
9	976	City of Fort Stockton Landfill	Pecos	1AE&4AE	12,093	79,704	800	31,882	3
9	2120A	City of Pecos Landfill	Reeves	1AE&4AE	18,773	1,960,169	850	833,072	44
9	673	Terrell County Landfill	Terrell	4AE	102	15,965	300	2,395	36
9	566	City of McCamey Landfill	Upton	4AE	1,330	1,208,165	750	453,062	4
9	691	Upton County Rankin Landfill	Upton	4AE	897	52,308	400	10,462	28
9	772	City of Monahans Landfill	Ward	1AE&4AE	12,313	842,146	850	357,912	25

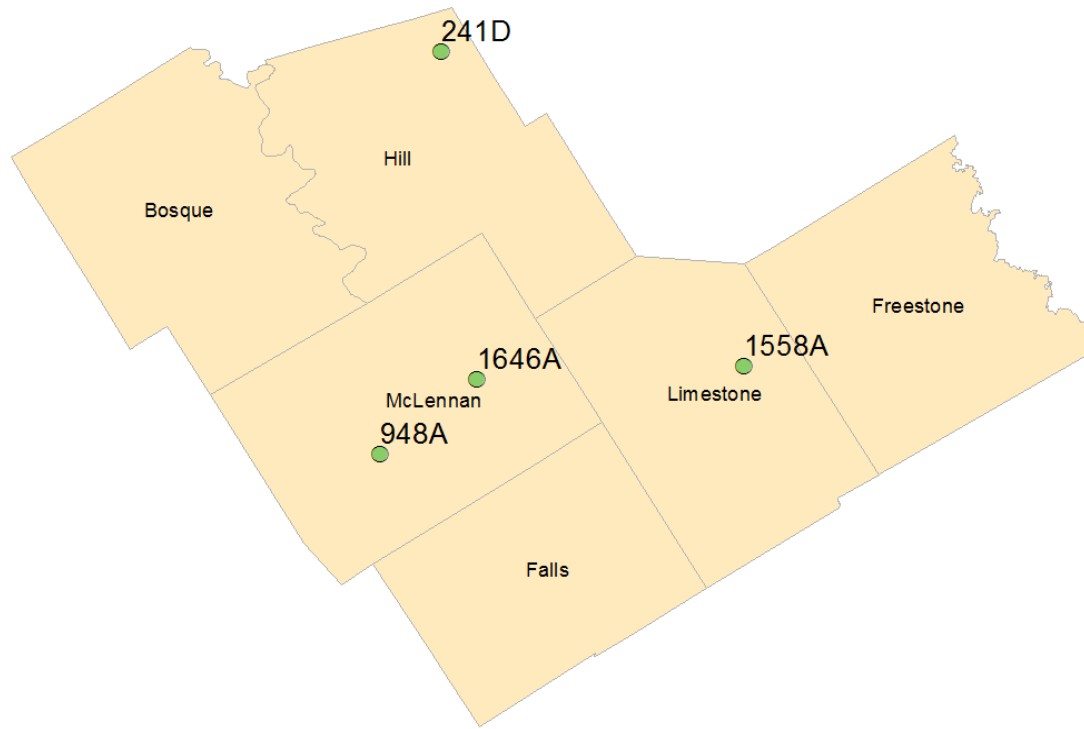
## COG 10: Concho Valley Council of Governments—Landfill Locations



### COG 10: Concho Valley Council of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
10	26B	City of Junction Landfill	Kimble	4AE	1,200	589,508	1,000	294,754	198
10	195	City of Mason Landfill	Mason	1AE	2,297	51,414	1,000	25,707	1
10	1732	City of Brady Landfill	McCulloch	1AE&4AE	8,772	2,001,225	900	900,551	36
10	1404	City of Menard Landfill	Menard	4AE	33	10,798	234	1,263	35
10	86B	City of Big Lake Landfill	Reagan	1AE	4,487	938,813	795	373,178	88
10	349	City of Eldorado Landfill	Schleicher	4AE	498	546,821	1,500	410,116	69
10	2264	City of Eldorado Landfill	Schleicher	1AE	5,204	1,309,584	1,500	982,188	49
10	79	San Angelo Landfill	Tom Green	1	193,576	2,779,402	1,250	1,737,126	9

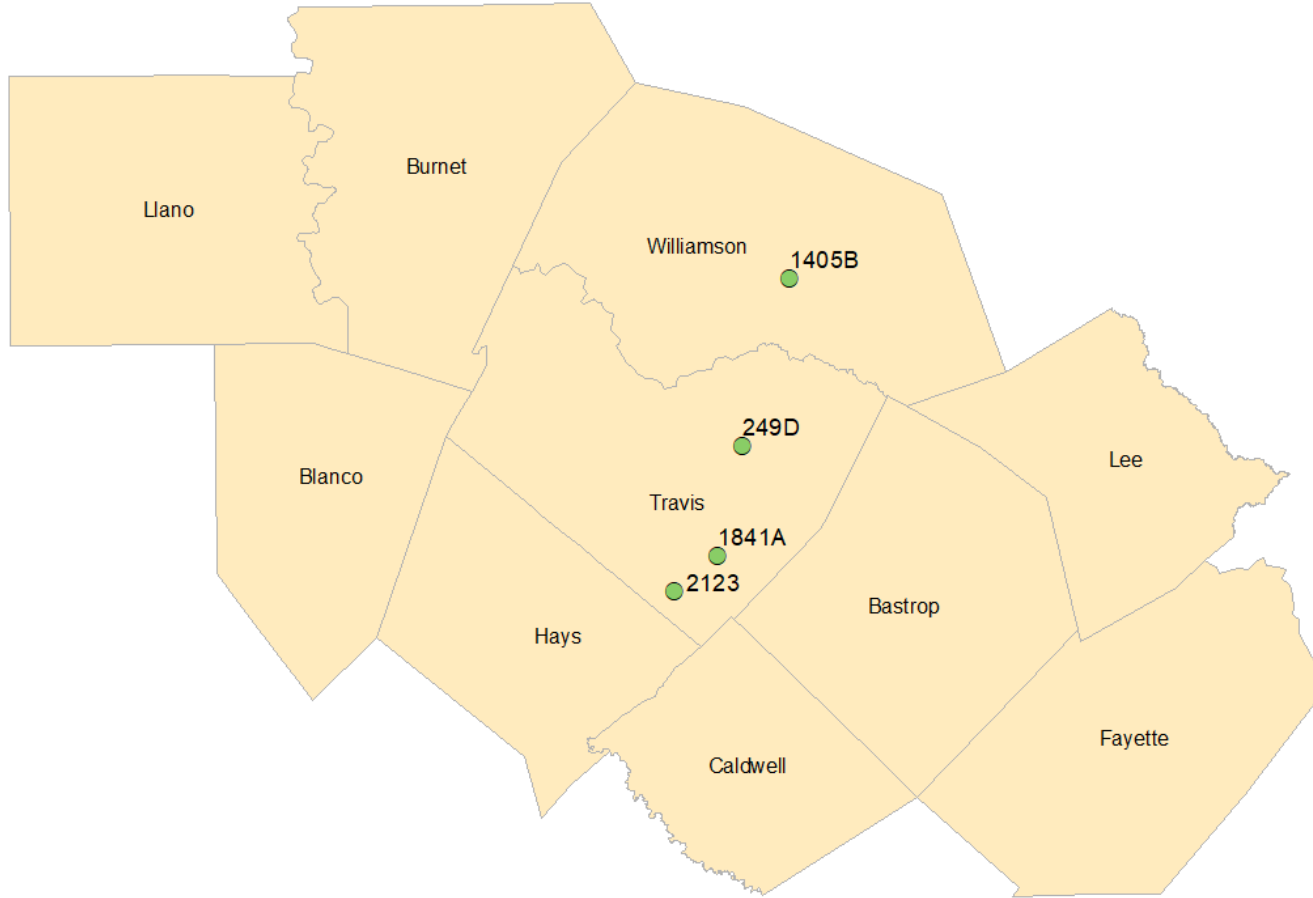
**COG 11: Heart of Texas Council of Governments—Landfill Locations**



**COG 11: Heart of Texas Council of Governments—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
11	241D	Itasca Landfill	Hill	1	425,473	46,362,740	1,697	39,338,785	93
11	1558A	BFI Mexia Landfill	Limestone	1	29,777	7,486,073	980	3,668,176	123
11	948A	City of Waco Landfill	McLennan	1	285,247	2,814,288	945	1,329,751	5
11	1646A	Lacy-Lakeview Recycling and Disposal Facility	McLennan	1	89,213	616,798	1,400	431,759	5

## COG 12: Capital Area Council of Governments—Landfill Locations

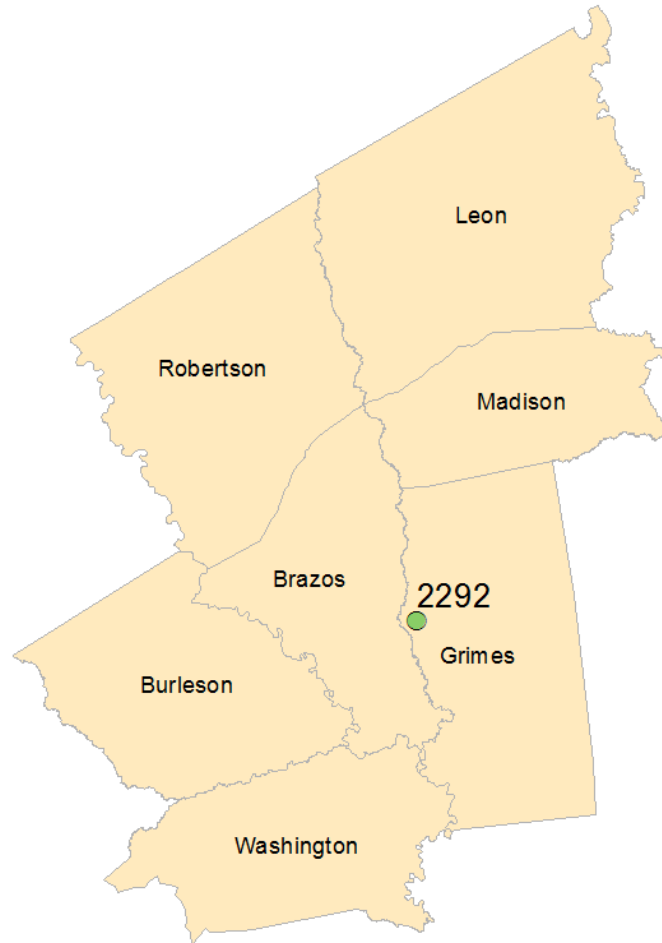


### COG 12: Capital Area Council of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
12	249D	Austin Community Recycling & Disposal Facility	Travis	1	960,049	7,522,450	1,400	5,265,715	5
12	1841A	Travis County Landfill	Travis	4	263,537	664,252	1,095	363,678	1
12	2123	Texas Disposal Systems Landfill	Travis	1	932,180	17,721,054	1,360	12,050,317	13
12	1405B	Williamson County Recycling and Disposal Facility	Williamson	1	474,891	58,174,002	1,450	42,176,151	67



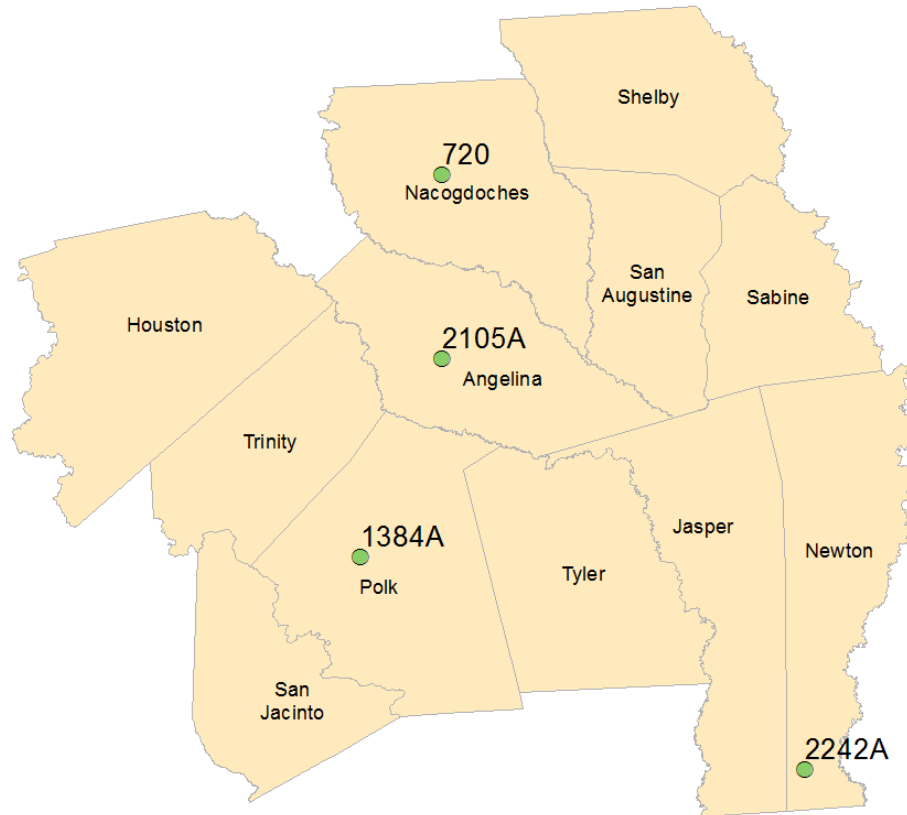
**COG 13: Brazos Valley Council of Governments—Landfill Locations**



**COG 13: Brazos Valley Council of Governments—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
13	2292	Twin Oaks Landfill	Grimes	1	412,544	32,991,052	1,512	24,941,235	61

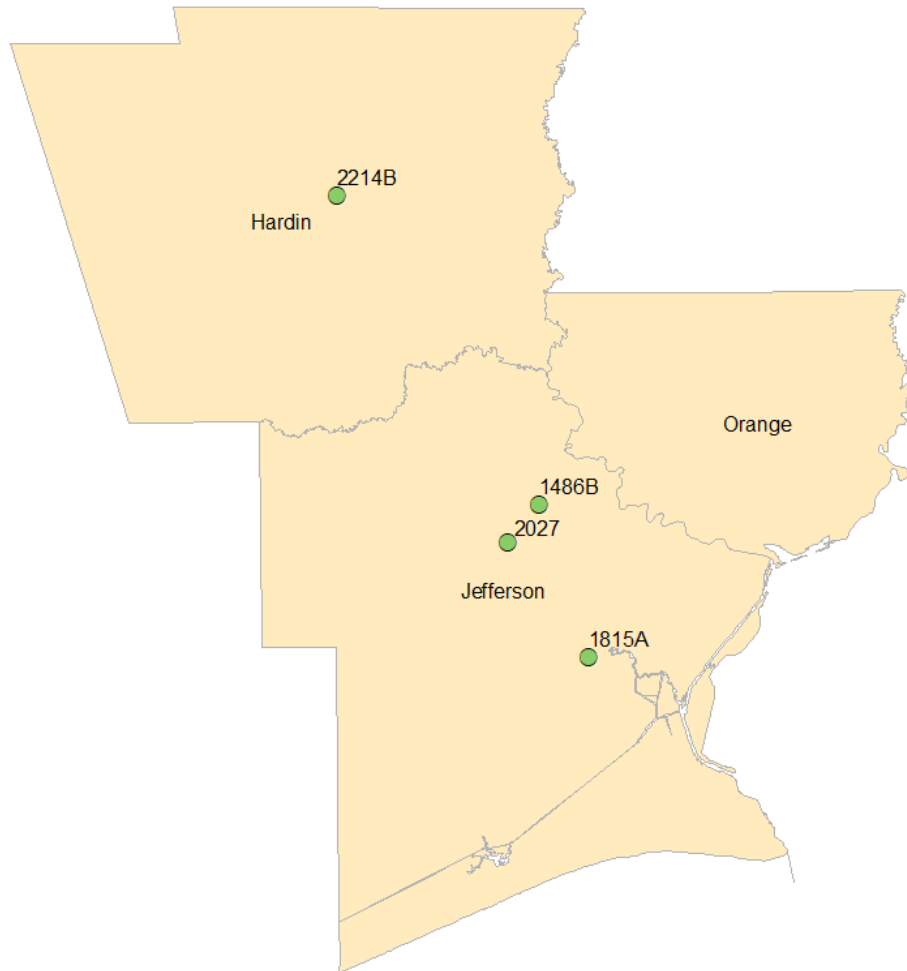
## COG 14: Deep East Texas Council of Governments—Landfill Locations



### COG 14: Deep East Texas Council of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
14	2105A	Angelina County Waste Management Center	Angelina	1	113,569	3,021,396	1,200	1,812,838	16
14	720	City of Nacogdoches Landfill	Nacogdoches	1	74,603	2,576,500	1,100	1,417,075	23
14	2242A	Western Waste of Texas Newton Complex	Newton	1	297,269	40,978,325	1,600	32,782,660	97
14	1384A	Polk County Landfill	Polk	1	196,029	7,354,188	1,460	5,368,557	26

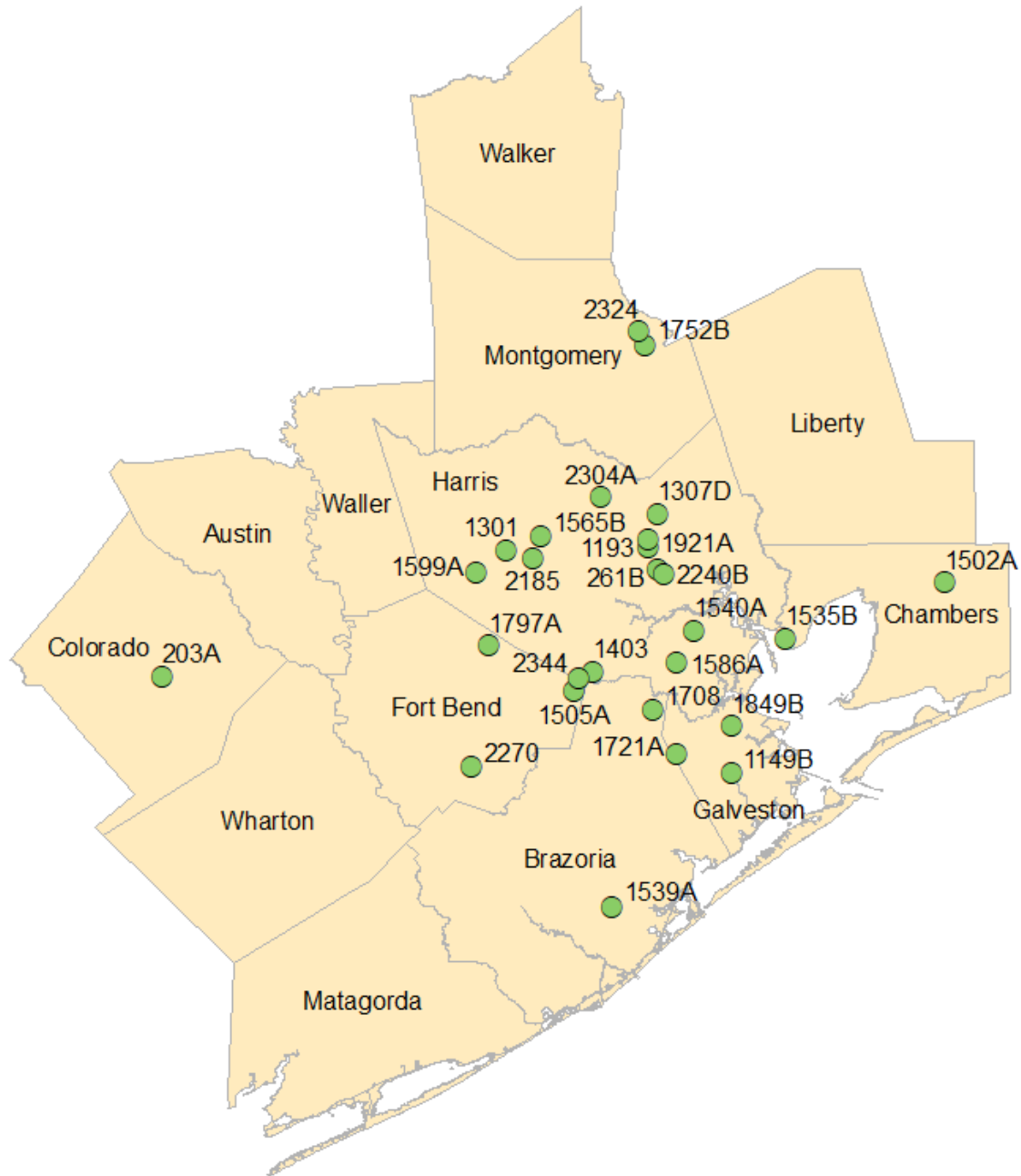
## COG 15: South East Texas Regional Planning Commission—Landfill Locations



COG 15: South East Texas Regional Planning Commission—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
15	2214B	Hardin County Landfill	Hardin	1	20	4,280,514	936	2,003,281	100
15	1486B	City of Beaumont Landfill	Jefferson	1	294,524	16,943,444	1,384	11,724,863	46
15	1815A	City of Port Arthur Landfill	Jefferson	1	142,603	14,768,603	1,489	10,995,225	77
15	2027	BFI Golden Triangle Landfill	Jefferson	1	338,240	6,483,902	1,746	5,660,446	16

### COG 16: Houston-Galveston Area Council—Landfill Locations



**COG 16: Houston-Galveston Area Council—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
16	1539A	Seabreeze Environmental Landfill	Brazoria	1	774,152	18,820,825	1,960	18,444,409	17
16	1708	Dixie Farm Road Landfill	Brazoria	4	59,278	1,442,470	880	634,687	12
16	1502A	Chambers County Landfill	Chambers	1	34,248	17,189,869	1,200	10,313,921	301
16	1535B	Baytown Landfill	Chambers	1	331,968	8,208,375	1,650	6,771,909	19
16	203A	Altair Disposal Services Landfill	Colorado	1	39,194	115,619	1,200	69,371	2
16	1505A	Blue Ridge Landfill	Fort Bend	1	1,049,807	137,889,521	1,150	79,286,475	76
16	1797A	Sprint Fort Bend County Landfill	Fort Bend	4	328,346	11,629,643	1,080	6,280,007	19
16	2270	Fort Bend Regional Landfill	Fort Bend	1	1,259,172	33,056,660	1,750	28,924,578	23
16	1149B	Galveston County Landfill	Galveston	1	322,898	36,120,699	1,746	31,533,370	100
16	1721A	Coastal Plains Recycling and Disposal Facility	Galveston	1	562,552	10,971,935	1,930	10,587,917	18
16	1849B	North County Landfill	Galveston	4	18	3,582,545	1,314	2,353,732	100
16	261B	McCarty Road Landfill	Harris	1	1,140,523	18,691,553	1,977	18,476,600	16
16	1193	Whispering Pines Landfill	Harris	1	15	10,829,897	1,212	6,562,918	100
16	1301	Addicks Fairbanks Landfill	Harris	4	32,102	0	1,400	0	0
16	1307D	Atascocita Recycling and Disposal Facility	Harris	1	1,307,969	35,042,623	1,700	29,786,230	22
16	1403	Casco Hauling and Excavation Landfill	Harris	4	86,489	794,458	900	357,506	4
16	1540A	Greenshadows Landfill	Harris	4	123,887	2,230,602	1,750	1,951,777	14
16	1565B	Fairbanks Landfill	Harris	4	188,349	16,627,986	1,600	13,302,389	45
16	1586A	WCT Greenbelt Landfill	Harris	4	147,615	2,436,012	1,500	1,827,009	7
16	1599A	Greenhouse Road Landfill	Harris	4	143,120	4,880,000	1,500	3,660,000	23
16	1921A	Cougar Landfill	Harris	4	16	59,972	1,400	41,980	3
16	2185	Hawthorn Park Landfill	Harris	4	16	60,262	1,400	42,183	3
16	2240B	Ralston Road Landfill	Harris	4	121,107	1,111,358	1,500	833,519	2
16	2304A	Tall Pines Landfill	Harris	4	366,052	15,921,714	1,500	11,941,286	28
16	2344	Lone Star Recycling and Disposal Facility	Harris	4	338,372	9,574,751	1,200	5,744,851	16
16	1752B	Security Recycling and Disposal Facility	Montgomery	1	358,370	11,763,724	1,700	9,999,165	25
16	2324	Sprint Montgomery Landfill	Montgomery	4	259,197	39,795,773	1,140	22,683,591	69

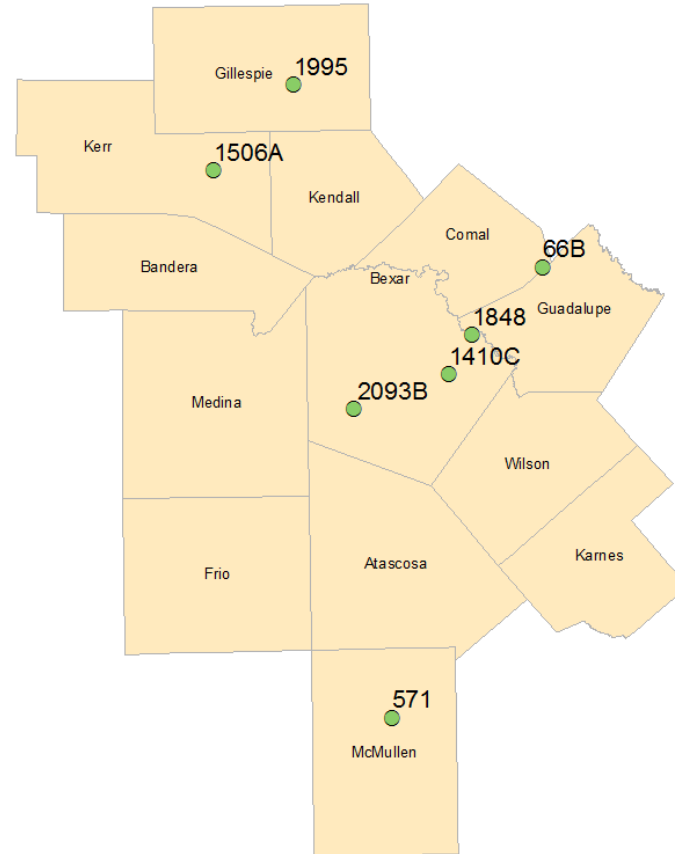
## COG 17: Golden Crescent Regional Planning Commission—Landfill Locations



### COG 17: Golden Crescent Regional Planning Commission—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
17	1522A	City of Victoria Landfill	Victoria	1	154,677	6,389,618	1,123	3,587,771	23

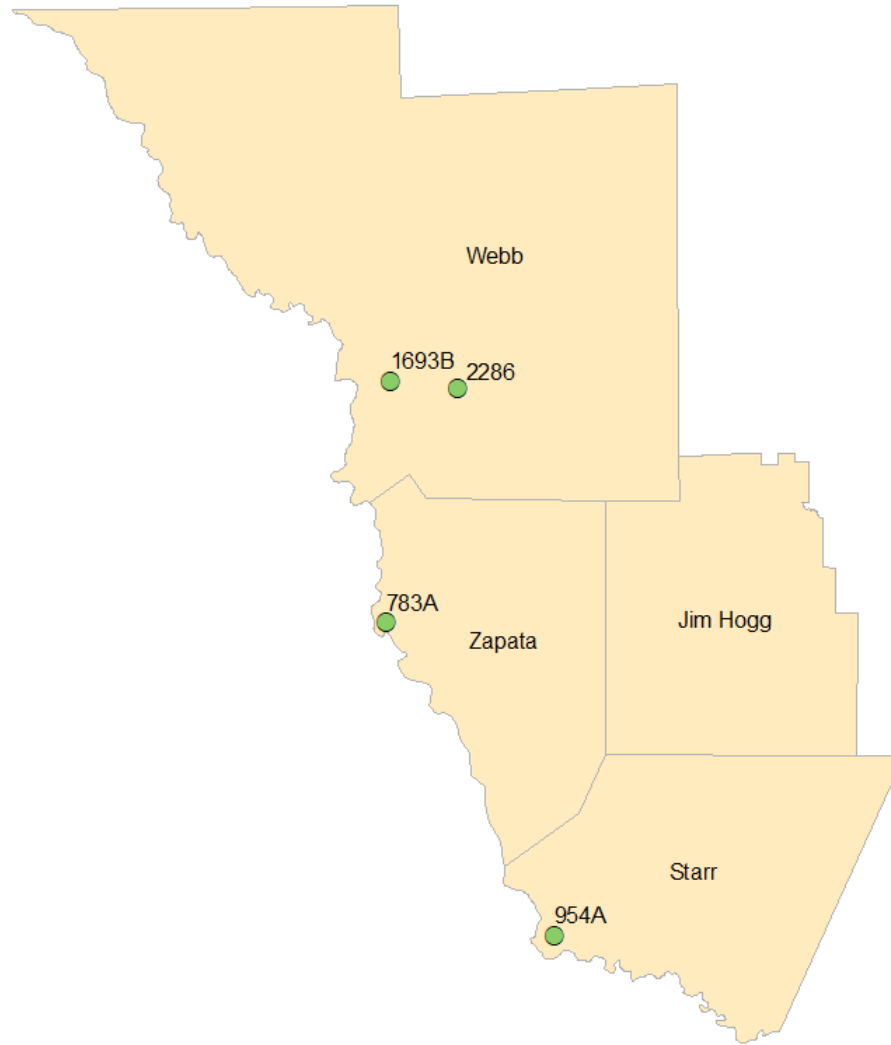
## COG 18: Alamo Area Council of Governments—Landfill Locations



### COG 18: Alamo Area Council of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
18	1410C	BFI Waste Tessman Road Landfill	Bexar	1	898,499	67,946,618	1,741	59,147,531	39
18	2093B	Covel Gardens Landfill	Bexar	1	998,760	101,178,378	1,800	91,060,540	68
18	66B	Mesquite Creek Landfill	Comal and Guadalupe	1	437,599	9,921,526	1,750	8,681,335	15
18	1995	City of Fredericksburg Landfill	Gillespie	1	35,339	1,414,854	1,180	834,764	20
18	1848	Beck Landfill	Guadalupe	4	374,862	3,189,167	1,300	2,072,959	12
18	1506A	City of Kerrville Landfill	Kerr	1	8,604	662,509	3,000	993,764	12
18	571	McMullen County Landfill	McMullen	1AE	500	4,670	750	1,751	4

**COG 19: South Texas Development Council—Landfill Locations**

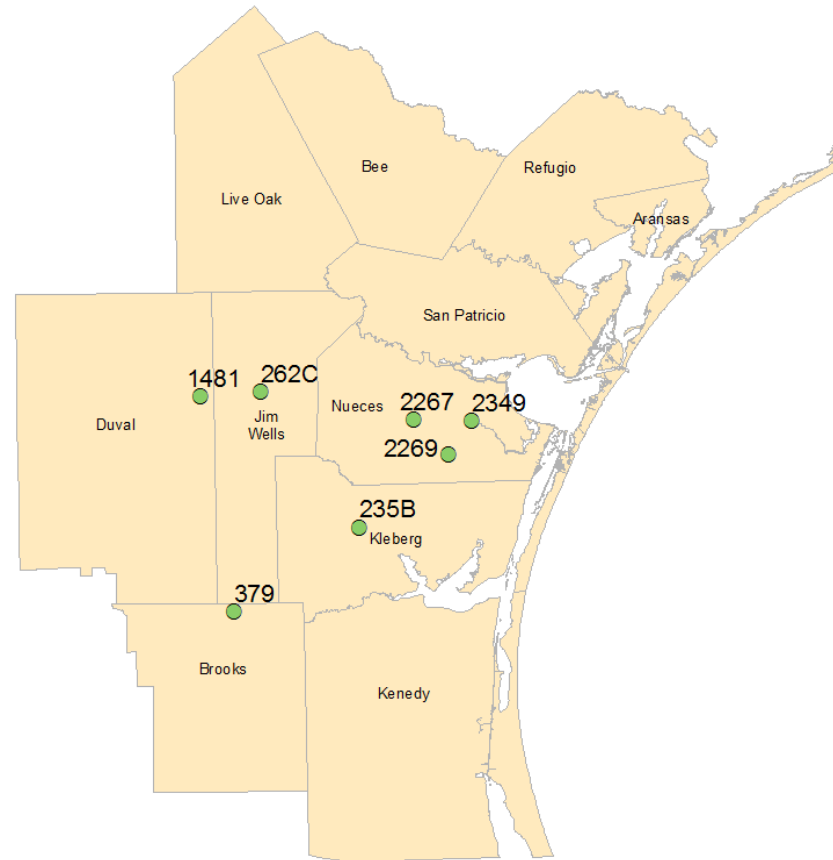


**COG 19: South Texas Development Council—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
19	954A	City of Roma Landfill	Starr	1AE&4AE	3,209	6,994,798	850	2,972,789	799
19	1693B	City of Laredo Landfill	Webb	1	350,053	5,890,584	1,296	3,817,098	11
19	2286	Ponderosa Regional Landfill	Webb	1	52,955	87,770,438	1,060	46,518,332	878
19	783A	San Ygnacio Landfill	Zapata	1AE&4AE	1,920	257,815	1,000	128,908	34



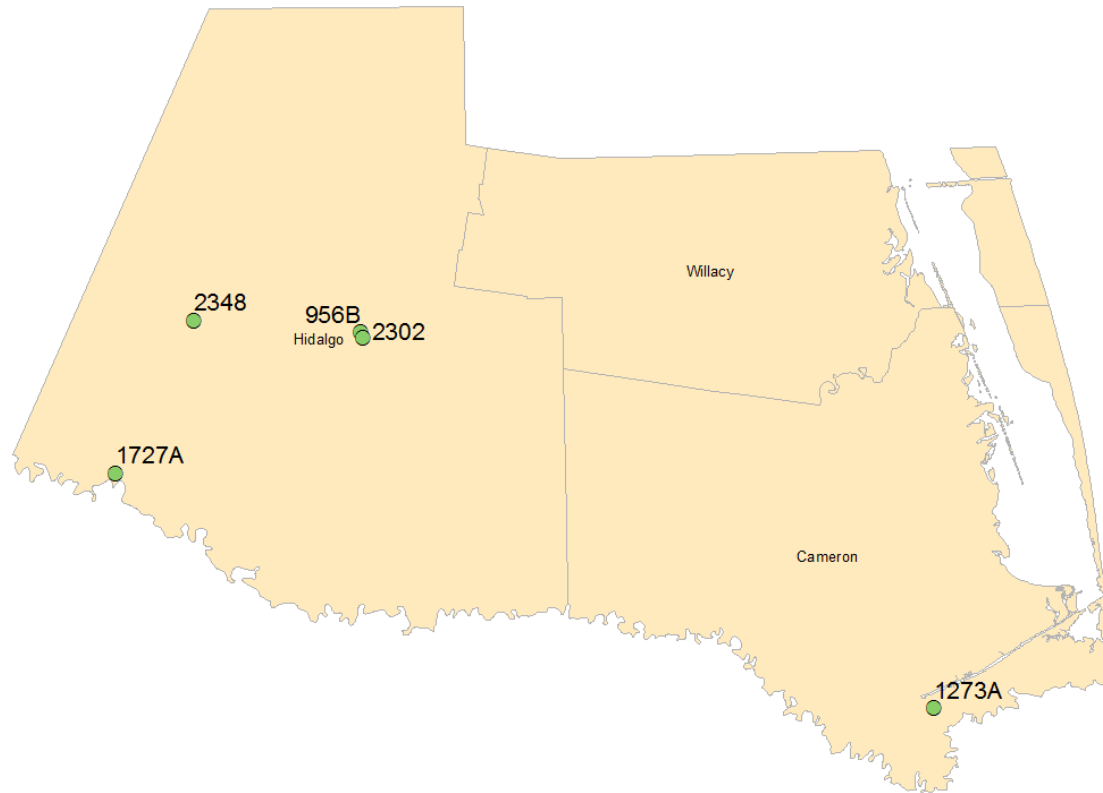
## COG 20: Coastal Bend Council of Governments—Landfill Locations



### COG 20: Coastal Bend Council of Governments—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
20	379	Brooks County Landfill	Brooks	4AE	338	288,549	400	57,710	27
20	1481	Duval County Landfill	Duval	4AE	2,302	8,776	800	3,510	2
20	262C	City of Alice Landfill	Jim Wells	1	27,725	585,868	1,200	351,521	13
20	235B	City of Kingsville Landfill	Kleberg	1	38,629	2,909,903	1,200	1,745,942	45
20	2267	El Centro Landfill	Nueces	1	126,073	13,855,432	1,480	10,253,020	46
20	2269	Cefe Valenzuela Landfill	Nueces	1	443,418	121,770,665	1,255	76,411,092	172
20	2349	Gulley Hurst Landfill	Nueces	4	170,401	9,707,786	750	3,640,420	21

## COG 21: Lower Rio Grande Valley Development Council—Landfill Locations



### COG 21: Lower Rio Grande Valley Development Council—List of Landfills

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
21	1273A	City of Brownsville Municipal Landfill	Cameron	1	345,398	27,095,163	1,987	26,919,044	72
21	956B	City of Edinburg Landfill	Hidalgo	1	525,384	3,007,712	1,277	1,920,424	2
21	1727A	Penitas Landfill	Hidalgo	1AE	288	0	800	0	0
21	2302	City of Edinburg Landfill	Hidalgo	4	109,652	9,697,319	833	4,038,933	24
21	2348	La Gloria Ranch Landfill	Hidalgo	1	350,298	107,897,803	1,538	82,973,411	194

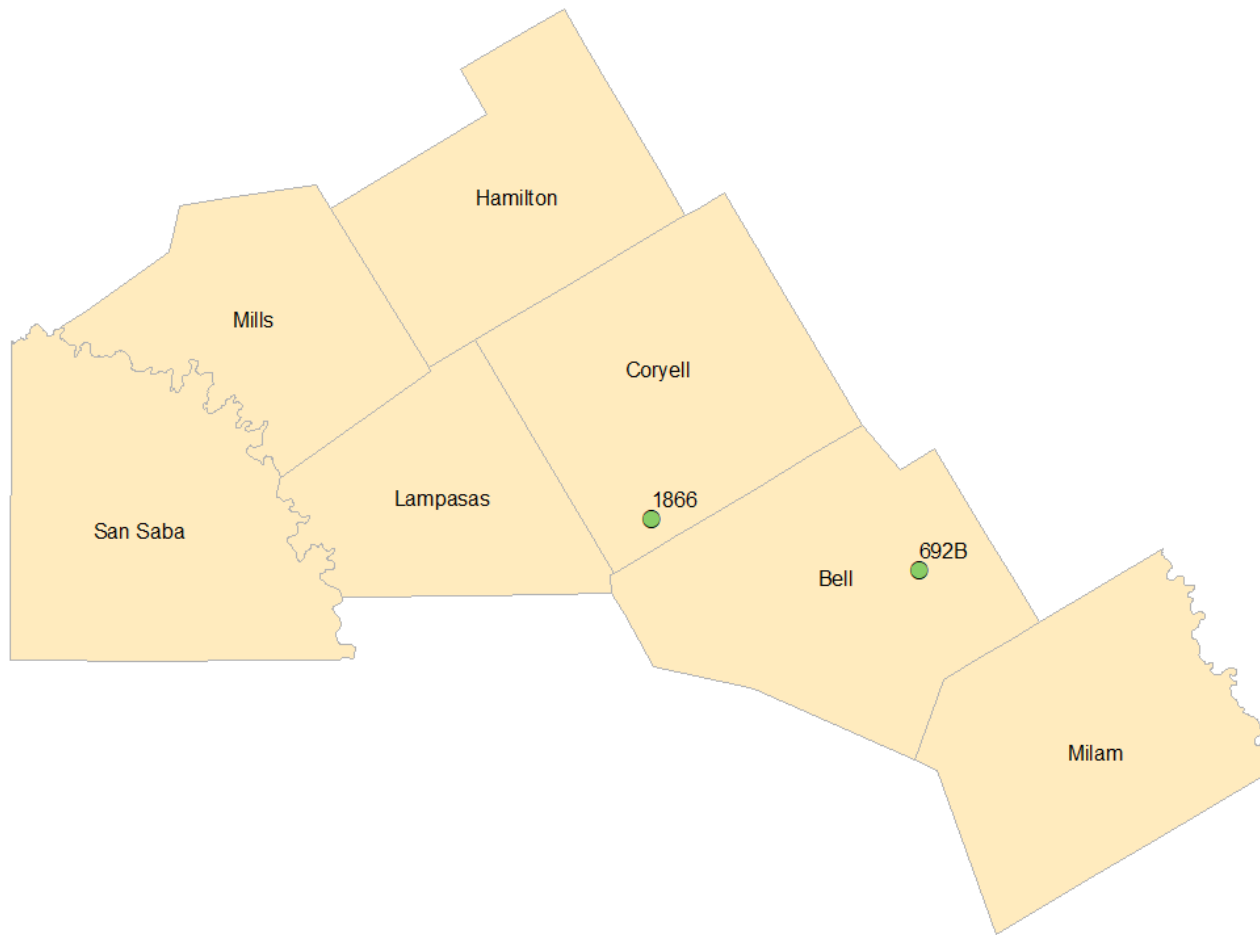
**COG 22: Texoma Council of Governments—Landfill Locations**



**COG 22: Texoma Council of Governments—List of Landfills**

<b>COG</b>	<b>Permit</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>	<b>Rem Yds</b>	<b>Rate</b>	<b>Rem Tons</b>	<b>Rem Yrs</b>
22	2290	TEXOMA Area Solid Waste Authority Disposal and Recycling Facility	Grayson	1	225,125	21,681,470	900	9,756,662	68

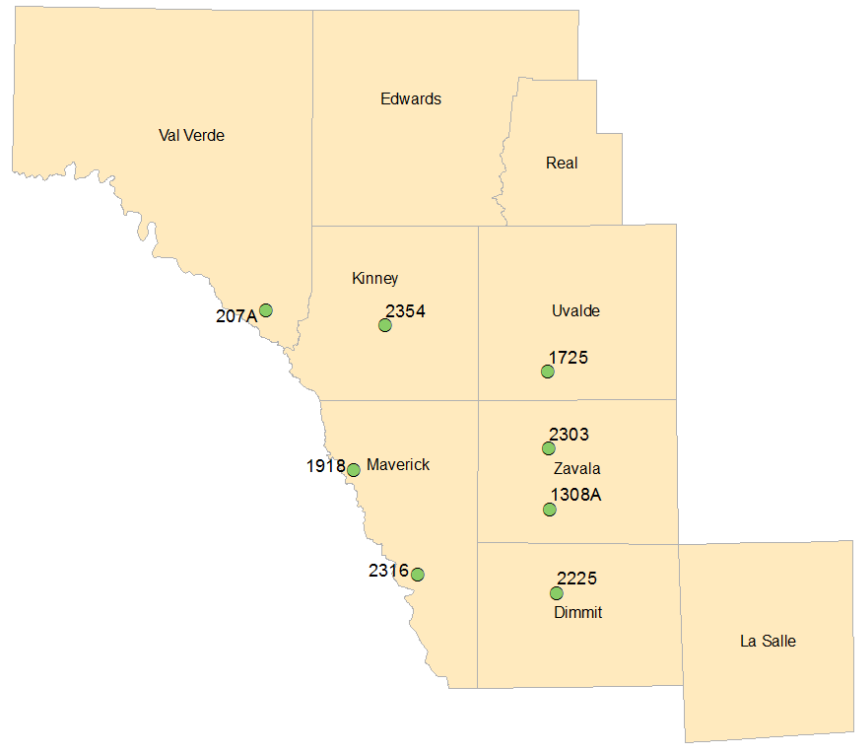
**COG 23: Central Texas Council of Governments—Landfill Locations**



**COG 23: Central Texas Council of Governments—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
23	692B	Temple Recycling and Disposal Facility	Bell	1	459,202	40,352,638	1,400	28,246,847	62
23	1866	Fort Hood Landfill	Coryell	1	23,079	2,527,775	1,100	1,390,276	27

**COG 24: Middle Rio Grande Valley Development Council—Landfill Locations**



**COG 24: Middle Rio Grande Valley Development Council—List of Landfills**

COG	Permit	Site Name	County	Type	2019 Tons	Rem Yds	Rate	Rem Tons	Rem Yrs
24	2225	City of Carrizo Springs Landfill	Dimmit	1AE	7,234	1,507,110	600	452,133	56
24	2354	Fort Clark Springs Association Landfill	Kinney	1AE	78	461,676	600	138,503	147
24	1918	City of Eagle Pass and Maverick Landfill	Maverick	4AE	4,500	1,095,106	750	410,665	16
24	2316	Maverick County El Indio Landfill	Maverick	1	56,296	14,414,894	1,000	7,207,447	128
24	1725	City of Uvalde Landfill	Uvalde	1	23,778	571,203	1,000	285,602	10
24	207A	City of Del Rio Landfill	Val Verde	1	45,399	850,459	715	304,039	6
24	1308A	City of Crystal City Landfill	Zavala	1AE	3,695	1,392,570	850	591,842	30
24	2303	Zavala County Landfill	Zavala	1AE	3,525	95,144	550	26,165	17



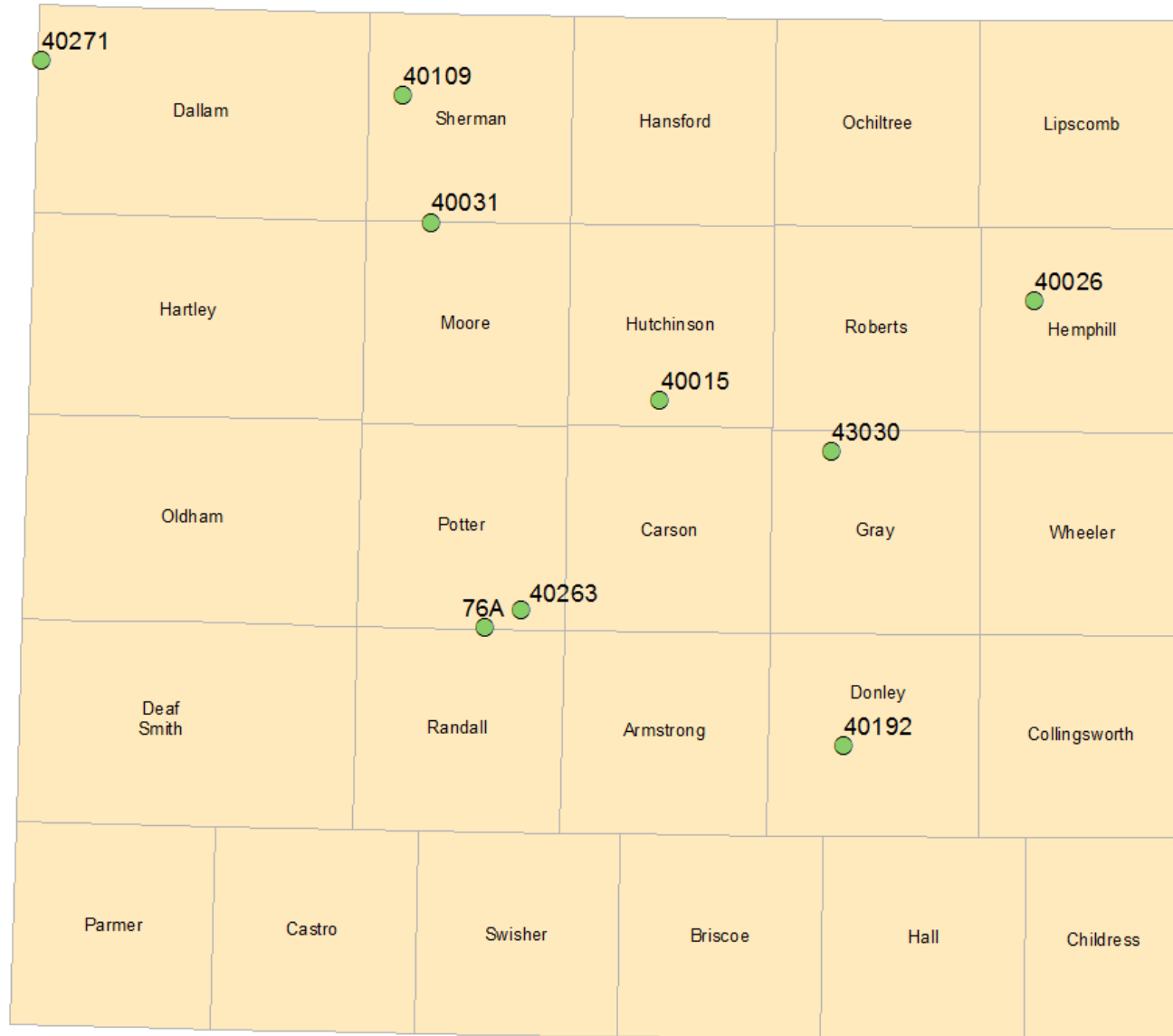
# Facility Data for MSW Processing Facilities

The maps and tables included in this section represent the MSW processing facilities that were active in 2019. The reported tons are in terms of the type of processing activity conducted at a facility: transfer stations reported tons transferred; incinerator facilities reported tons incinerated, and so on. The maps and tables are organized by COG region and county. All reported values were rounded to the nearest whole number.

## Key for “Facility Type” in MSW Processing Facility Data Tables

Type	Description
5AC	Facility that uses an autoclave to process medical waste
5GG	Liquid waste processing facility (grease trap waste, grit trap waste, sludge, septage)
5MW	Medical waste processing facility (chemical disinfection, maceration, thermal destruction)
5MWTS	Medical waste transfer station
5RC	Compost facility
5RR	Recycling & material recovery facility
5TL	Liquid waste transfer station
5TS	Transfer station
5WI	Facility that uses an incinerator to process medical waste or MSW (no electrical power generation)

## COG 1: Panhandle Regional Planning Commission—Processing Facility Locations

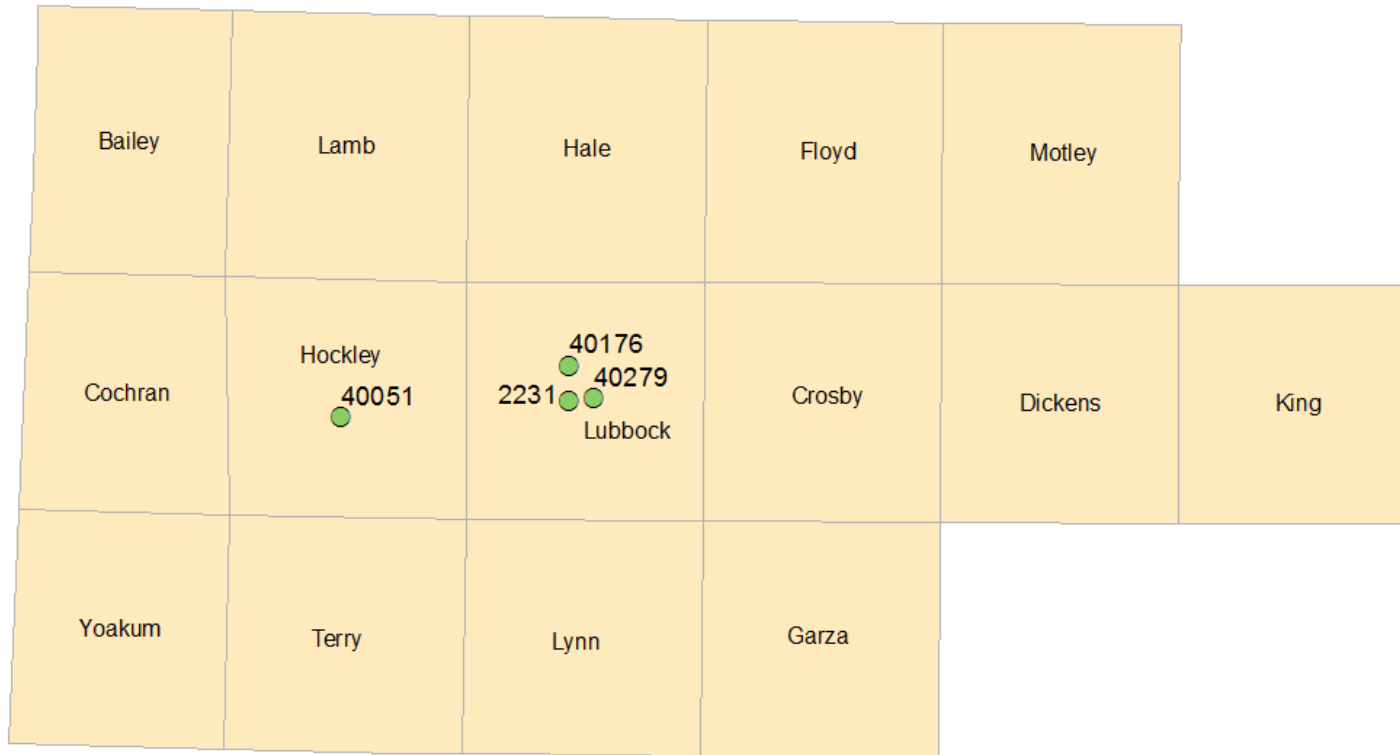




**COG 1: Panhandle Regional Planning Commission—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
1	40271	Tri-State Recycling Facility	Dallam	5TS	13,264
1	40192	City of Clarendon Transfer Station	Donley	5TS	1,681
1	43030	City of Pampa Liquid Waste Processing Facility	Gray	5GG	690
1	40026	City of Canadian Transfer Station	Hemphill	5TS	3,278
1	40015	City of Borger Transfer Station	Hutchinson	5TS	16,955
1	40031	City of Cactus Transfer Station	Moore	5TS	1,807
1	76A	City of Amarillo Transfer Station	Potter	5TS	150,503
1	40263	Biocycle Medical Waste Processing Facility	Potter	5AC	1,918
1	40109	City of Stratford Transfer Station	Sherman	5TS	2,040

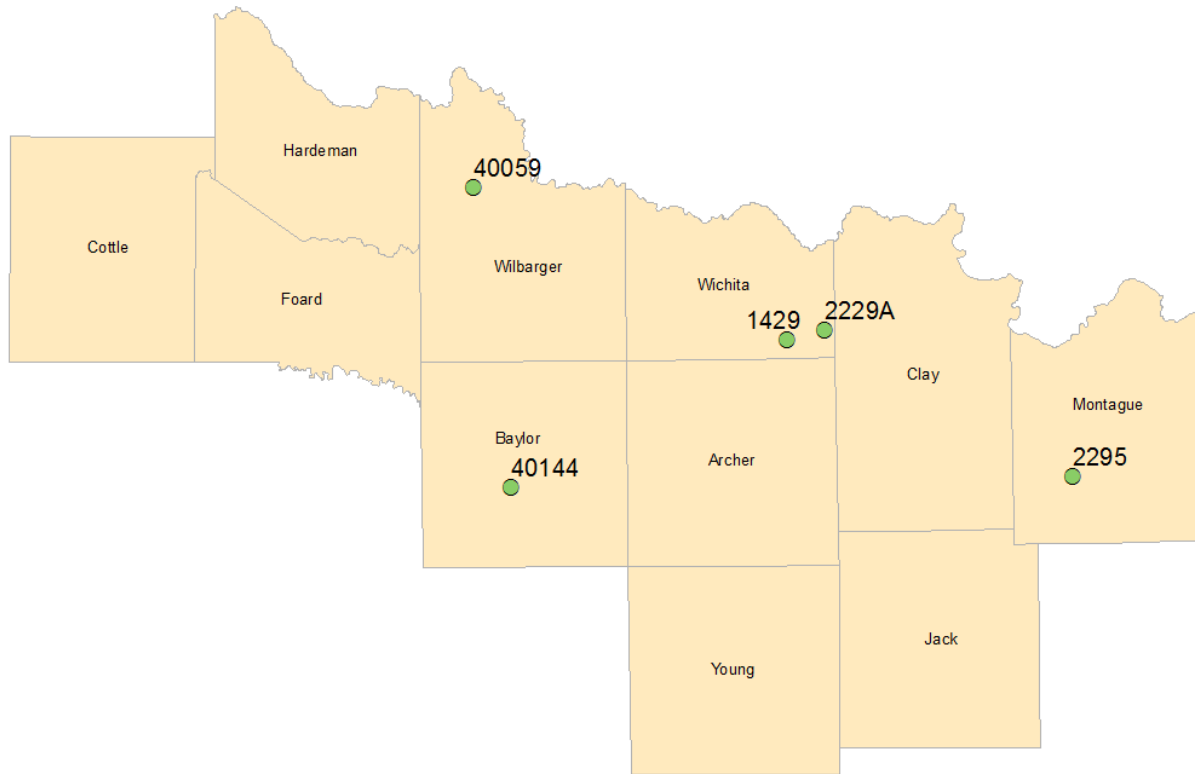
**COG 2: South Plains Association of Governments—Processing Facility Locations**



**COG 2: South Plains Association of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
2	40051	City of Levelland Transfer Station	Hockley	5TS	37
2	2231	SouthWaste Disposal South Plains Liquid Waste Processing Facility	Lubbock	5GG	8,664
2	40176	Caliche Canyon Transfer Station	Lubbock	5TS	86
2	40279	Stericycle Lubbock Medical Waste Transfer Station	Lubbock	5MWTS	1,583

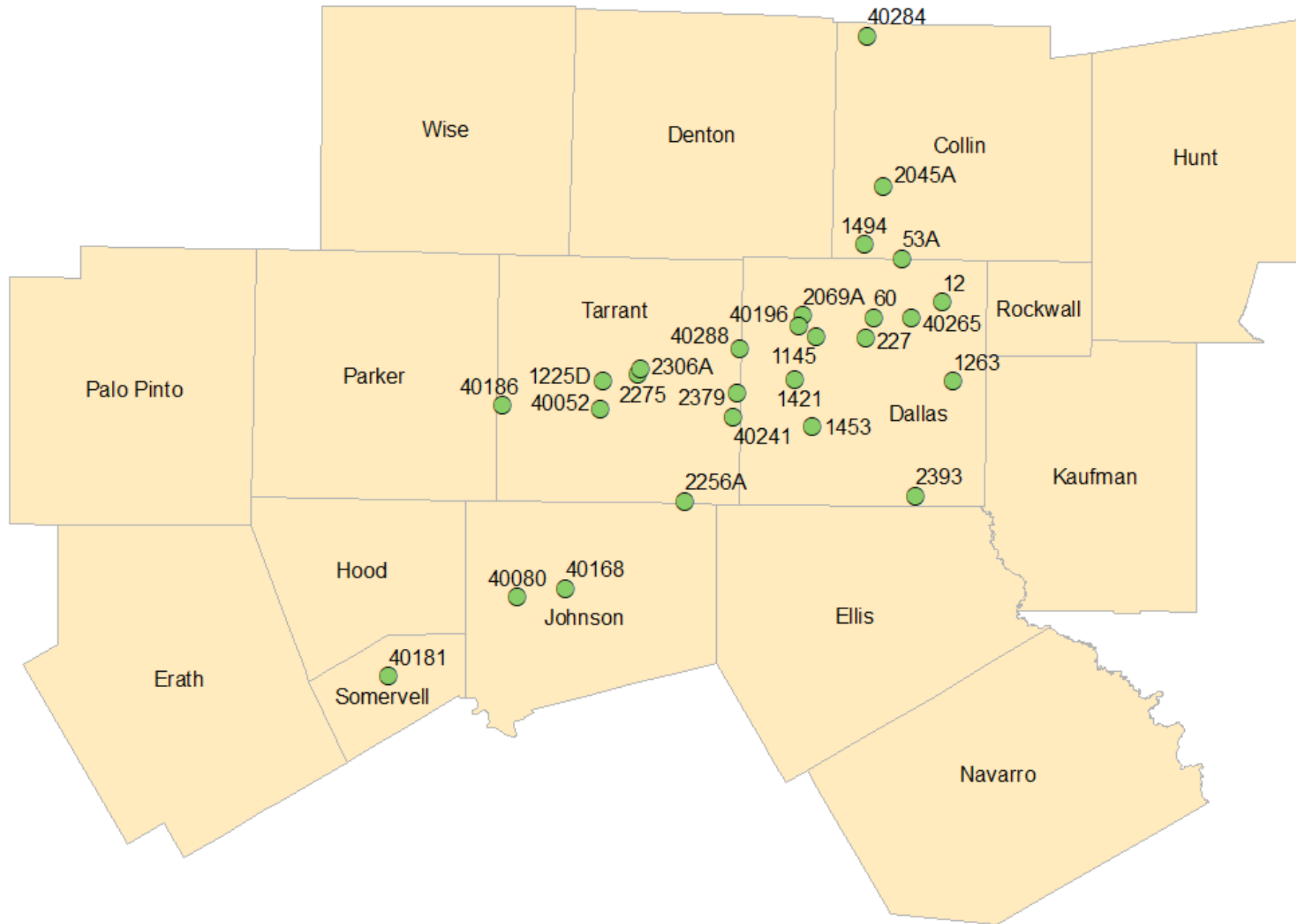
### COG 3: Nortex Regional Planning Commission—Processing Facility Locations



COG 3: Nortex Regional Planning Commission—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
3	40144	City of Seymour Transfer Station	Baylor	5TS	719
3	2295	Bowie Transfer Station	Montague	5TS	56,653
3	1429	City of Wichita Falls Transfer Station	Wichita	5TS	90,534
3	2229A	IMC Liquid Waste Processing Facility	Wichita	5GG	26,566
3	40059	City of Vernon Transfer Station	Wilbarger	5TS	18,323

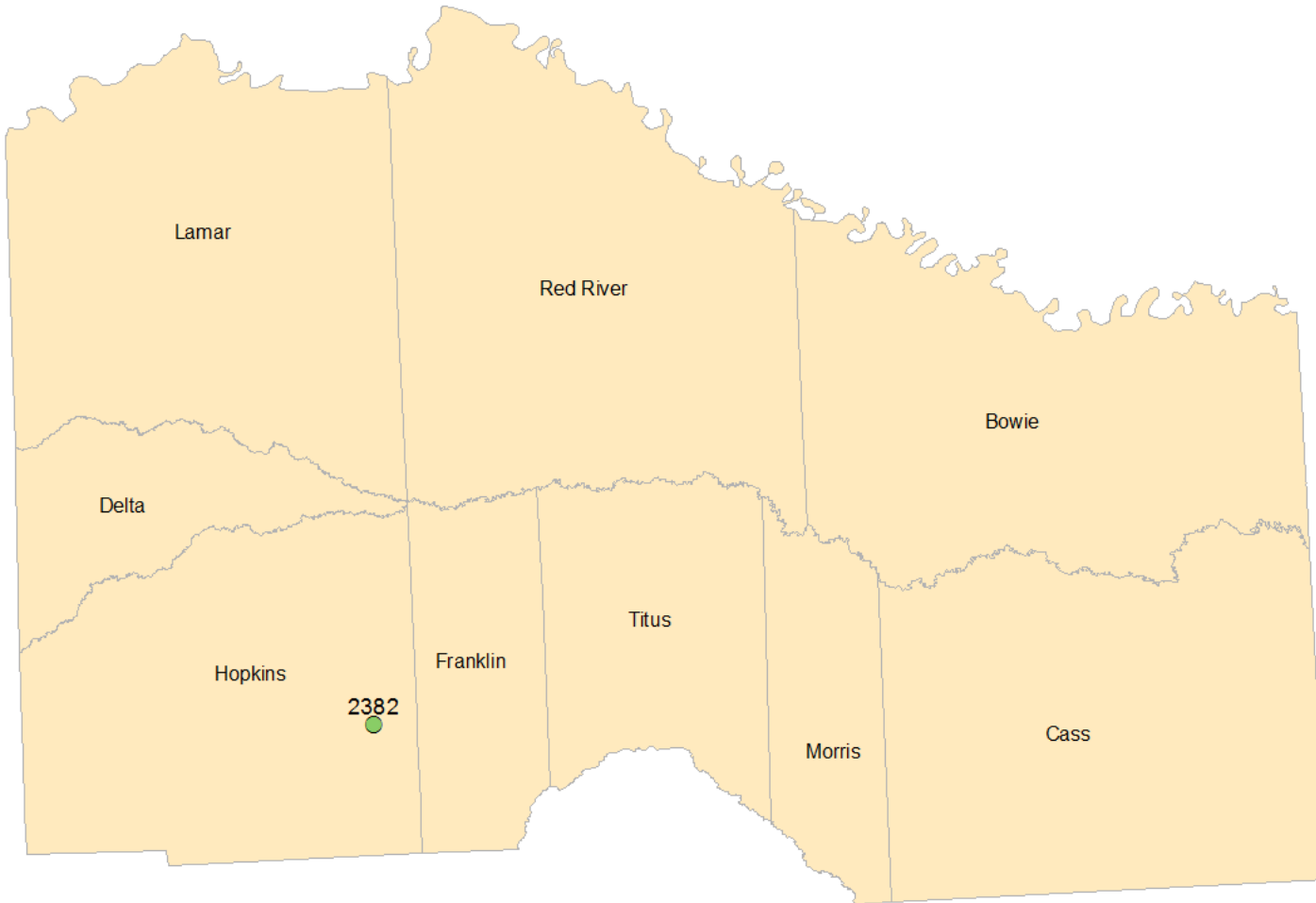
### COG 4: North Central Texas Council of Governments—Processing Facility Locations



**COG 4: North Central Texas Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
4	53A	Lookout Drive Transfer Station	Collin	5TS	179,563
4	1494	Parkway Transfer Station	Collin	5TS	118,756
4	2045A	Custer Road Transfer Station	Collin	5TS	314,304
4	40284	Town and Country Recycling Facility	Collin	5TS	30,451
4	12	City of Garland Transfer Station	Dallas	5TS	101,666
4	60	City of Dallas Transfer Station - Fair Oaks Ave	Dallas	5TS	72,165
4	227	City of University Park Transfer Station	Dallas	5TS	13,047
4	1145	City of Dallas Transfer Station - Harry Hines Blvd	Dallas	5TS	161,893
4	1263	City of Mesquite Transfer Station	Dallas	5TS	56,707
4	1421	PSC Recovery Systems Liquid Waste Processing Facility	Dallas	5GG	45,037
4	1453	City of Dallas Transfer Station - Westmoreland Rd	Dallas	5TS	66,102
4	2069A	Liquid Environmental Solutions of Texas Dallas Liquid Waste Processing Facility	Dallas	5GG	140,570
4	2393	Cactus Reclamation Services Wilmer Processing Facility	Dallas	5GG	1,695
4	40196	Community Waste Disposal Transfer Station	Dallas	5TS	86,824
4	40265	Stericycle Garland Medical Waste Processing Facility	Dallas	5AC	15,121
4	40080	Harrington Environmental Liquid Waste Transfer Station	Johnson	5TL	4,848
4	40168	Cleburne Transfer Station	Johnson	5TS	82,029
4	40181	Somervell County Transfer Station	Somervell	5TS	10,476
4	1225D	Cold Springs Liquid Waste Processing Facility	Tarrant	5GG	73,019
4	2256A	SouthWaste Disposal Dallas Liquid Waste Processing Facility	Tarrant	5GG	118,915
4	2275	North Texas Recycling Complex (facility reported all incoming materials as diverted and no waste transferred for disposal)	Tarrant	5TS	11,743
4	2306A	Minnis Drive Transfer Station	Tarrant	5TS	140,777
4	2379	Liquitek Arlington Liquid Waste Processing Facility	Tarrant	5GG	33,292
4	40052	Southwest Paper Stock Transfer Station	Tarrant	5TS	16,776
4	40186	Westside Transfer Station	Tarrant	5TS	221,532
4	40241	Oncore Technology Medical Waste Processing Facility	Tarrant	5MW	36,399
4	40288	Med-Turn Medical Waste Transfer Station	Tarrant	5MWTS	510

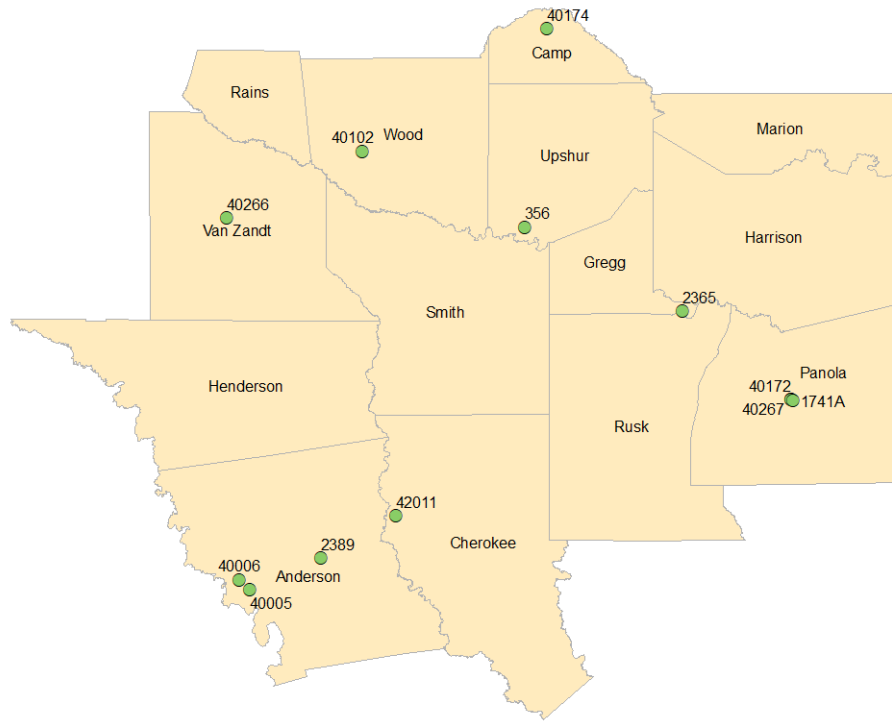
**COG 5: Ark-Tex Council of Governments—Processing Facility Locations**



**COG 5: Ark-Tex Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
5	2382	Stouts Creek Compost Facility	Hopkins	5RC	13,530

## COG 6: East Texas Council of Governments—Processing Facility Locations



### COG 6: East Texas Council of Governments—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
6	2389	Palestine Transfer Station	Anderson	5TS	52,161
6	40005	TDCJ Beto Transfer Station	Anderson	5TS	726
6	40006	TDCJ Coffield Transfer Station	Anderson	5TS	870
6	40174	Pittsburgh Transfer Station	Camp	5TS	33,019
6	42011	Angelina Neches River Authority Compost Facility	Cherokee	5RC	4,695
6	2365	Edwards Construction Liquid Waste Processing Facility	Gregg	5GG	6,275
6	1741A	Sharps Environmental Services Medical Waste Processing Facility (authorization is for processing MSW only)	Panola	5WI	385
6	40172	City of Carthage Transfer Station	Panola	5TS	6,692
6	40267	Sharps Environmental Services Medical Waste Processing Facility	Panola	5WI	419
6	356	Vital Earth Resources Compost Facility	Upshur	5RC	2,202
6	40266	City of Canton Transfer Station	Van Zandt	5TS	28,464
6	40102	Upper Sabine Valley SWMD Transfer Station	Wood	5TS	42

**COG 7: West Central Texas Council of Governments—Processing Facility Locations**



**COG 7: West Central Texas Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
7	No Processing Facilities in COG Region 7 in 2019				



### COG 8: Rio Grande Council of Governments—Processing Facility Locations



### COG 8: Rio Grande Council of Governments—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
8	728	City of El Paso Delta Transfer Station	El Paso	5TS	15,345
8	2355	Liquid Environmental Solutions of Texas El Paso Liquid Waste Processing Facility	El Paso	5GG	17,474
8	40237	El Paso C&D Recycling Plant	El Paso	5RR	1,275
8	40261	Stericycle El Paso Medical Waste Transfer Station	El Paso	5MWTS	2,345
8	40262	Mediwaste Medical Waste Processing Facility	El Paso	5AC	284

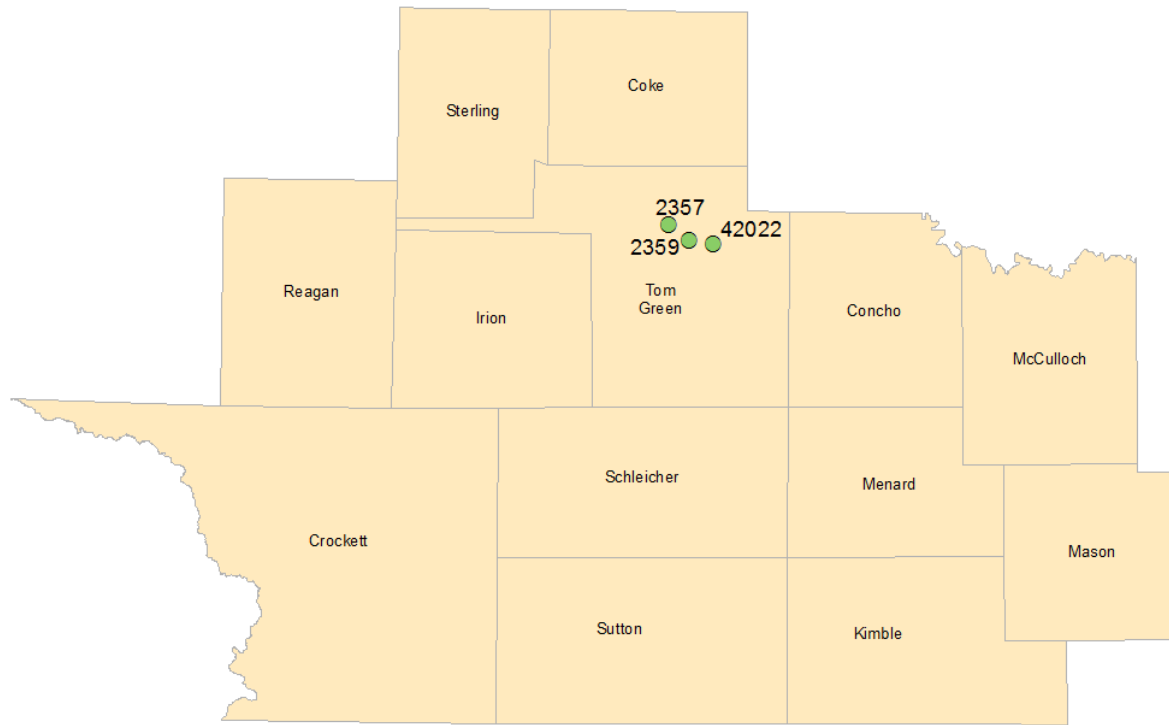
## COG 9: Permian Basin Regional Planning Commission—Processing Facility Locations



### COG 9: Permian Basin Regional Planning Commission—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
9	2373	Affordable Dewatering Service Liquid Waste Processing Facility	Midland	5GG	218,704
9	43028	City of Stockton Liquid Waste Processing Facility	Pecos	5GG	2,560

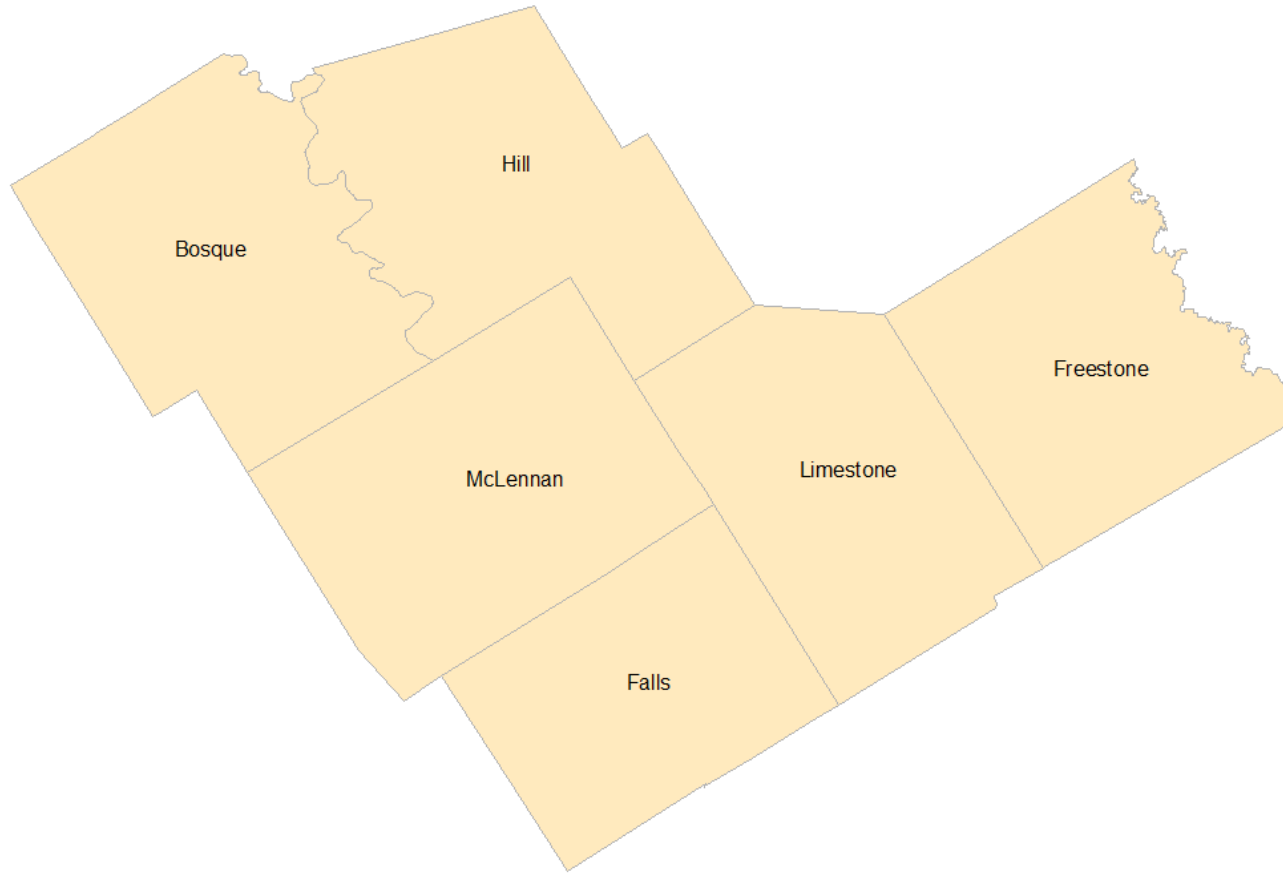
## COG 10: Concho Valley Council of Governments—Processing Facility Locations



### COG 10: Concho Valley Council of Governments—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
10	2357	San Angelo Pro Pump Dewatering & Compost Facility	Tom Green	5RC	2,669
10	2359	D's Recycling Compost Facility	Tom Green	5RC	349
10	42022	Kickapoo Compost Facility	Tom Green	5RC	1,808

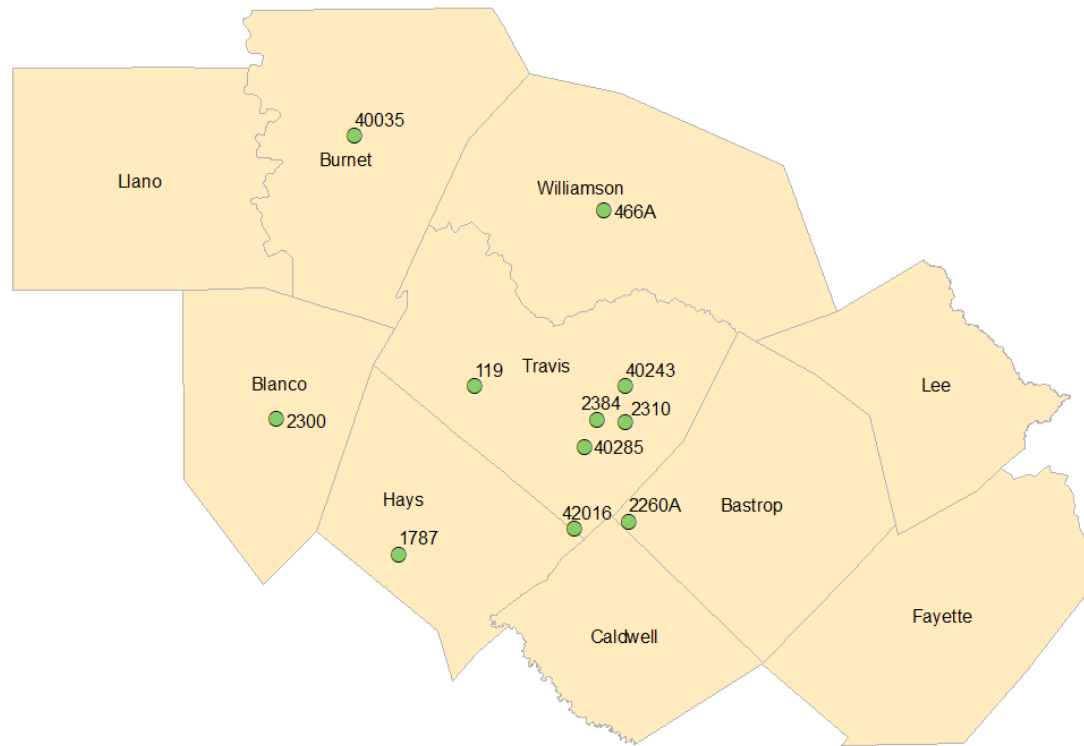
**COG 11: Heart of Texas Council of Governments—Processing Facility Locations**



**COG 11: Heart of Texas Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
11	No Processing Facilities in COG Region 11 in 2019				

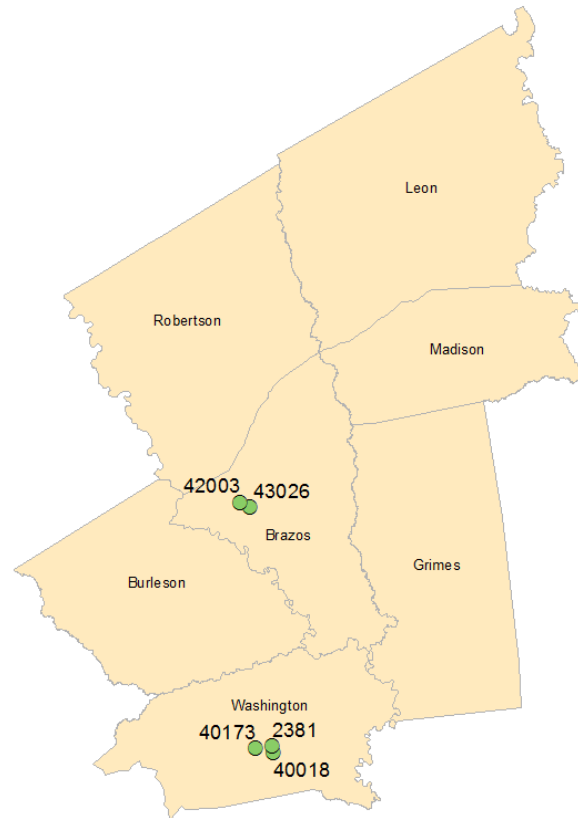
## COG 12: Capital Area Council of Governments—Processing Facility Locations



### COG 12: Capital Area Council of Governments—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
12	2260A	Stericycle Austin Medical Waste Processing Facility	Bastrop	5AC	8,106
12	2300	Blanco County Transfer Station	Blanco	5TS	18,561
12	40035	BFI Burnet Transfer Station	Burnet	5TS	42,737
12	1787	Hays County Transfer Station	Hays	5TS	1,537
12	119	Texas Disposal System Eco Depot	Travis	5TS	9,257
12	2310	J-V Dirt + Loam Composting Facility	Travis	5RC	330,745
12	2384	Austin Wastewater Liquid Waste Processing Facility	Travis	5GG	267,049
12	40243	River City Recycles	Travis	5TS	14,553
12	40285	Burleson Road Liquid Waste Processing Facility	Travis	5GG	53,374
12	42016	Texas Organic Recovery Compost Facility	Travis	5RC	8,509
12	466A	City of Georgetown Transfer Station	Williamson	5TS	86,050

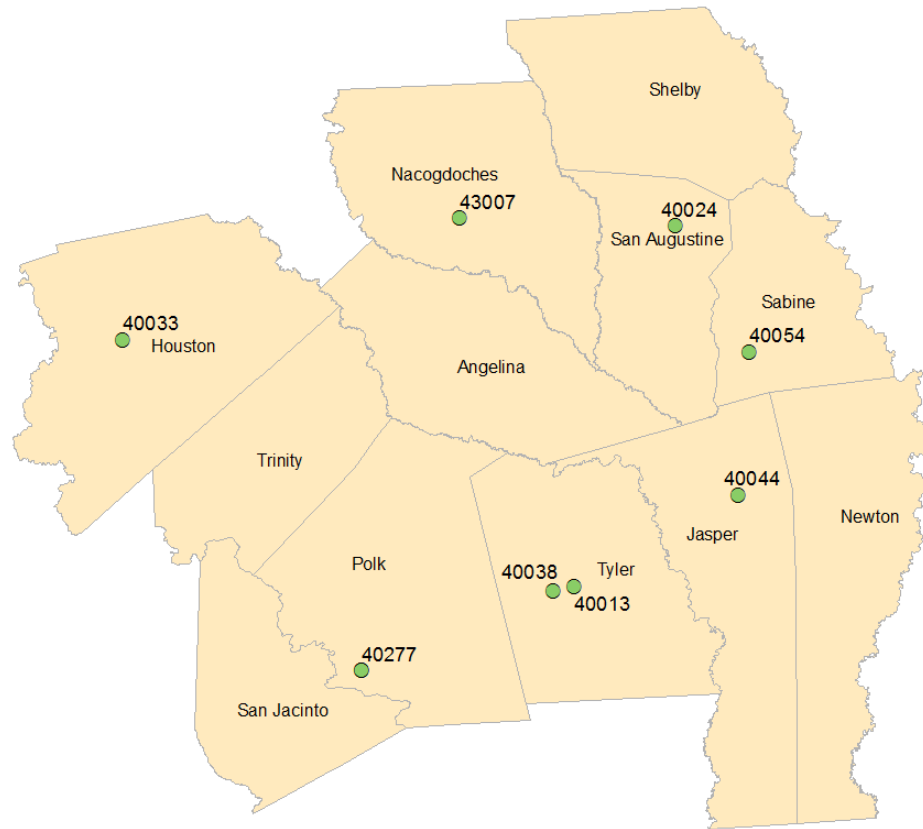
# COG 13: Brazos Valley Council of Governments—Processing Facility Locations



**COG 13: Brazos Valley Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
13	42003	Bryan Compost Facility	Brazos	5RC	14,340
13	43026	Still Creek Liquid Waste Processing Facility	Brazos	5GG	7,248
13	2381	L&G Environmental Liquid Waste Processing Facility	Washington	5GG	2,783
13	40018	City of Brenham Transfer Station	Washington	5TS	29,591
13	40173	Washington County Transfer Station	Washington	5TS	38,525

## COG 14: Deep East Texas Council of Governments—Processing Facility Locations

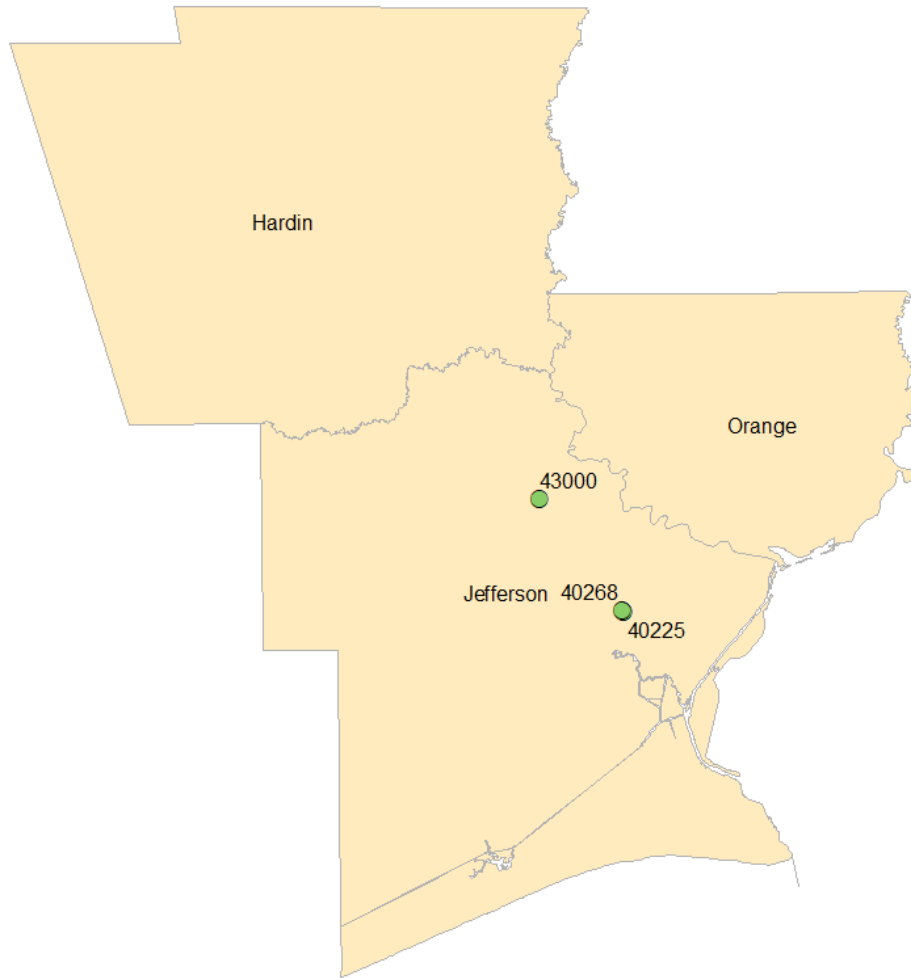


### COG 14: Deep East Texas Council of Governments—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
14	40033	Hutto Garbage Service Transfer Station	Houston	5TS	365
14	40044	City of Jasper Transfer Station	Jasper	5TS	22,000
14	43007	City of Nacogdoches Grease Treatment Facility	Nacogdoches	5GG	2,447
14	40277	Pro Star Waste Transfer Station	Polk	5TS	7,758
14	40054	Don General Services Transfer Station	Sabine	5TS	2,733
14	40024	City of San Augustine Transfer Station	San Augustine	5TS	2,225
14	40013	City of Woodville Transfer Station	Tyler	5TS	3,716
14	40038	Tyler County Transfer Station	Tyler	5TS	2,779



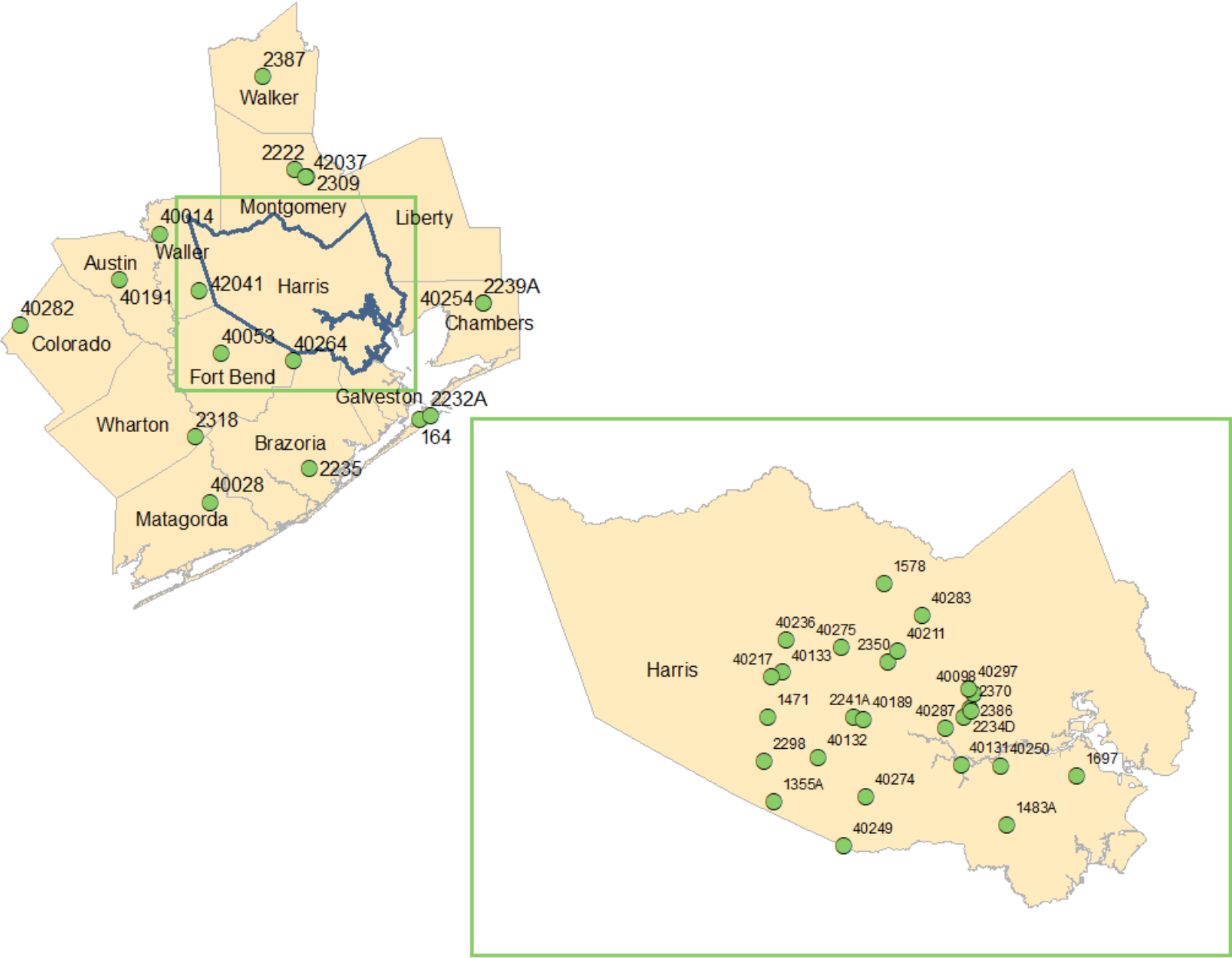
## COG 15: South East Texas Regional Planning Commission—Processing Facility Locations



### COG 15: South East Texas Regional Planning Commission—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
15	40225	Triangle Waste Solutions Transfer Station	Jefferson	5TS	19,025
15	40268	Biomedical Waste Solutions Medical Waste Processing Facility	Jefferson	5AC	1,901
15	43000	JTB Recycling Liquid Waste Processing Facility	Jefferson	5GG	19,330

COG 16: Houston-Galveston Area Council—Processing Facility Locations

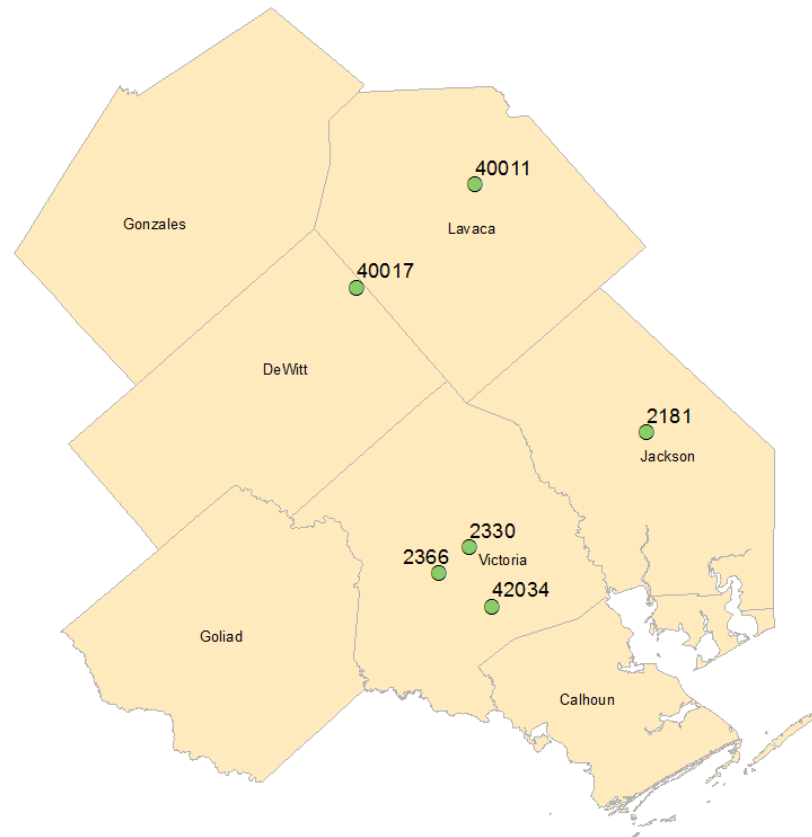


**COG 16: Houston-Galveston Area Council List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
16	40191	Country Waste Transfer Station	Austin	5TS	144
16	2235	Brazoria County Recycling Center (facility reported all incoming materials as diverted and no waste transferred for disposal)	Brazoria	5TS	0
16	2239A	Paragon Southwest Medical Waste Processing Facility (facility also authorized as 5WI, but no incinerated waste reported)	Chambers	5MW	167
16	40254	Paragon Southwest Medical Waste Processing Facility	Chambers	5MW	672
16	40282	City of Weimar Transfer Station	Colorado	5TS	43,003
16	40053	Best Septic Tank Cleaning Liquid Waste Transfer Station	Fort Bend	5TL	899
16	40264	Stericycle Fresno Medical Waste Transfer Station	Fort Bend	5MWTS	4,099
16	164	City of Galveston Transfer Station	Galveston	5TS	100,712
16	2232A	UTMB Galveston Medical Waste Processing (facility not authorized to process MSW)	Galveston	5WI	387
16	1355A	Ruffino Hills Transfer Station	Harris	5TS	488,975
16	1471	Sam Houston Recycling Center	Harris	5TS	210,332
16	1483A	Koenig Street Transfer Station	Harris	5TS	151,446
16	1578	Hardy Road Transfer Station	Harris	5TS	512,259
16	1697	City of Deer Park Transfer Station	Harris	5TS	19,709
16	2234D	Liquid Environmental Solutions of Texas Houston Liquid Waste Processing Facility	Harris	5GG	256,444
16	2241A	SouthWaste Disposal Hurst Liquid Waste Processing Facility	Harris	5GG	151,527
16	2298	B R Perrin Liquid Waste Processing Facility	Harris	5GG	67,870
16	2350	Big K Environmental Liquid Waste Processing Facility	Harris	5GG	8,759
16	2370	Wastewater Residuals Management Liquid Waste Processing Facility	Harris	5GG	102,459
16	2386	EZ Waste MSW Resource Recovery and Transfer Facility	Harris	5RR	24,960
16	40098	BFI Houston Resource Renewal Complex Transfer Station (facility reported all incoming materials as diverted and no waste transferred for disposal)	Harris	5TS	0
16	40131	Houston Southeast Transfer Station	Harris	5TS	251,328
16	40132	Houston Southwest Transfer Station	Harris	5TS	288,759
16	40133	Houston Northwest Transfer Station	Harris	5TS	212,591
16	40189	Egbert Transfer Station	Harris	5TS	40,370
16	40211	Sprint Recycling Center - Northeast	Harris	5TS	22,333

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
16	40217	Tanner Road Transfer Station	Harris	5TS	44,167
16	40236	Excell Transfer Station	Harris	5TS	18,203
16	40249	Lone Star Recycling & Disposal Facility Transfer Station	Harris	5TS	305,810
16	40250	Lone Star SRD Shredding Recycling Disposal Medical Waste Processing Facility	Harris	5AC	203
16	40274	Holmes Road Transfer Station	Harris	5TS	128
16	40275	R&J Transfer Station	Harris	5TS	8,476
16	40283	Daniels Sharpsmart Medical Waste Transfer Station	Harris	5MW	396
16	40287	Gainsborough Waste Transfer Station	Harris	5TS	58,018
16	40297	FCC Materials Recovery Facility	Harris	5TS	9,342
16	40028	Matagorda County Transfer Station	Matagorda	5TS	6,621
16	2222	Stericycle Conroe Medical Waste Processing Facility	Montgomery	5AC	16,384
16	2309	Mid America Transfer Station & Material Recovery Facility	Montgomery	5TS	102,862
16	42037	New Earth Conroe Compost Facility	Montgomery	5RC	86,896
16	2387	City of Huntsville Transfer Station	Walker	5TS	44,080
16	40014	City of Hempstead Transfer Station	Waller	5TS	120
16	42041	New Earth Soils and Compost Facility	Waller	5RC	211,526
16	2318	Don Tol Compost Facility	Wharton	5RC	3,975

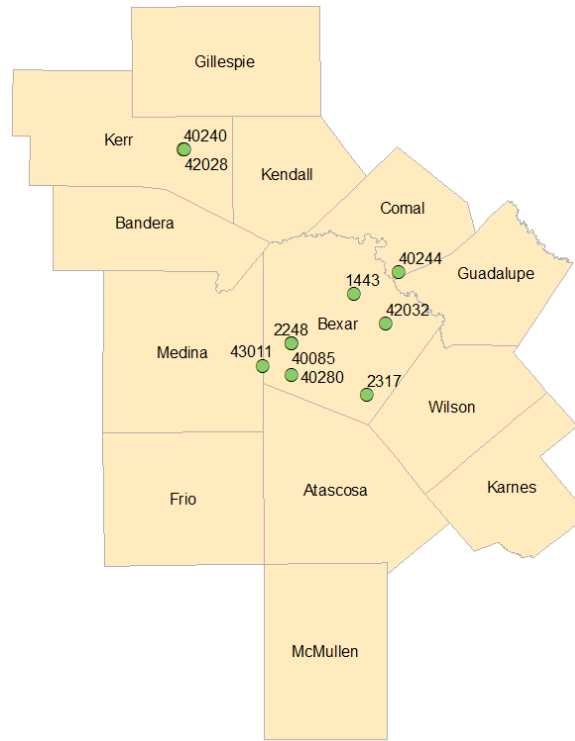
## COG 17: Golden Crescent Regional Planning Commission—Processing Facility Locations



### COG 17: Golden Crescent Regional Planning Commission—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
17	40017	City of Yoakum Transfer Station	Dewitt	5TS	28,546
17	2181	Jackson County Transfer Station	Jackson	5TS	1,785
17	40011	City of Hallettsville Transfer Station	Lavaca	5TS	85
17	2330	Victoria Environmental Liquid Waste Processing Facility	Victoria	5GG	30,733
17	2366	Victoria Regional WWTP Grit Trap Waste Processing Facility	Victoria	5GG	788
17	42034	Victoria Compost Facility	Victoria	5RC	20,927

**COG 18: Alamo Area Council of Governments—Processing Facility Locations**



**COG 18: Alamo Area Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
18	1443	City of San Antonio Starcrest Transfer Station	Bexar	5TS	154,376
18	2248	Liquid Environmental Solutions of Texas San Antonio Liquid Waste Processing Facility	Bexar	5GG	29,827
18	2317	SouthWaste Disposal San Antonio Compost Facility	Bexar	5RC	52,999
18	40085	Liquid Environmental Solutions of Texas San Antonio Facility	Bexar	5TS	1,608
18	40280	Stericycle San Antonio Medical Waste Transfer Station	Bexar	5MWTS	3,793
18	42032	New Earth San Antonio Compost Facility	Bexar	5RC	191,532
18	40244	Medsharps Schertz Medical Waste Processing Facility	Comal	5AC	3,415
18	40240	City of Kerrville Transfer Station	Kerr	5TS	70,558
18	42028	City of Kerrville Compost Facility	Kerr	5RC	7,280
18	43011	LaCoste Waste Water Treatment Plant	Medina	5GG	42,357

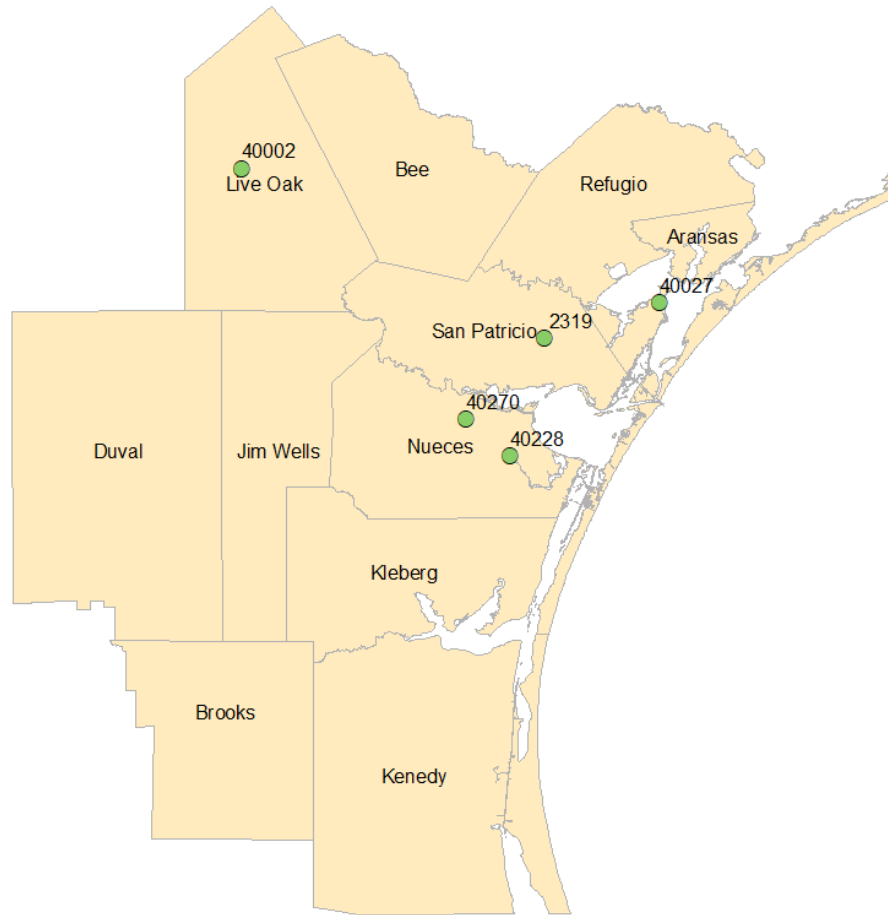
## COG 19: South Texas Development Council—Processing Facility Locations



COG 19: South Texas Development Council—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
19	40103	Jim Hogg County Transfer Station	Jim Hogg	5TS	8,600
19	40238	Starr County Transfer Station	Starr	5TS	32,042

**COG 20: Coastal Bend council of Governments—Processing Facility Locations**

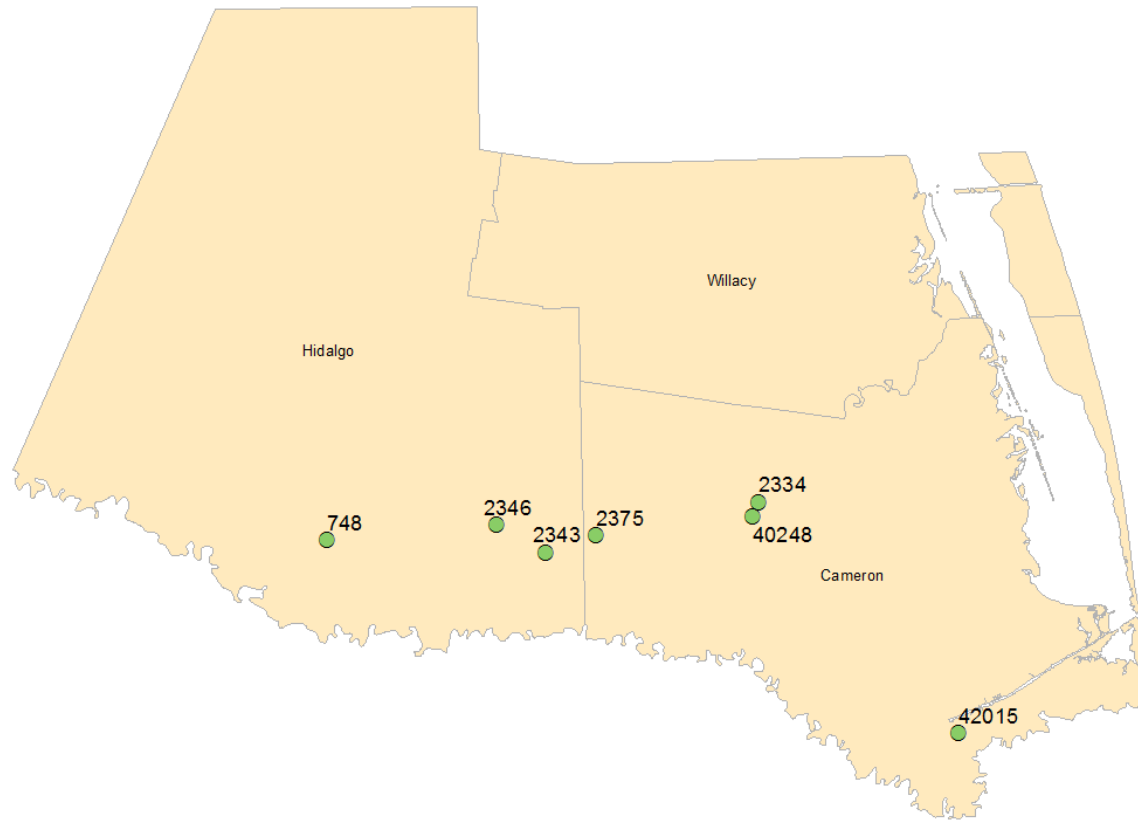


**COG 20: Coastal Bend Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
20	40027	Aransas County Transfer Station	Aransas	5TS	8,536
20	40002	Live Oak County Transfer Station	Live Oak	5TS	620
20	40228	JC Elliott Transfer Station	Nueces	5TS	116,108
20	40270	Envirotech Waste Solutions Medical Waste Processing Facility	Nueces	5MW	109
20	2319	Texas Sludge Disposal Compost Facility	San Patricio	5RC	20,154



## COG 21: Lower Rio Grande Valley Development Council—Processing Facility Locations



### COG 21: Lower Rio Grande Valley Development Council—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
21	2334	Stericycle Harlingen Medical Waste Processing Facility	Cameron	5MW	4,801
21	2375	La Feria Transfer Station	Cameron	5TS	155,224
21	40248	City of Harlingen Transfer Station	Cameron	5TS	74,568
21	42015	City of Brownsville Compost Facility	Cameron	5RC	24,277
21	748	Pharr Transfer Station	Hidalgo	5TS	54,973
21	2343	Valley Dewatering Liquid Waste Processing Facility	Hidalgo	5GG	29,742
21	2346	Liquid Environmental Solutions of Texas Weslaco Liquid Waste Processing Facility	Hidalgo	5GG	16,478

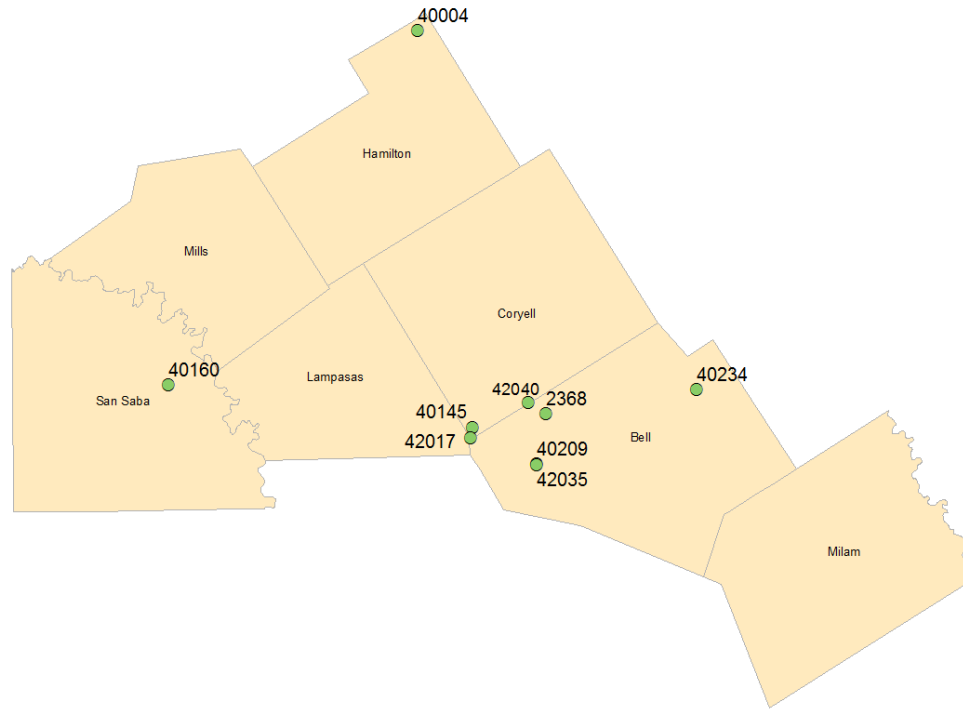
**COG 22: Texoma Council of Governments—Processing Facility Locations**



**COG 22: Texoma Council of Governments—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
22	1030	City of Gainesville Transfer Station	Cooke	5TS	30,476
22	40290	Fannin County Transfer Station	Fannin	5TS	21,142
22	1136	City of Sherman Transfer Station	Grayson	5TS	13,324

## COG 23: Central Texas Council of Governments—Processing Facility Locations



### COG 23: Central Texas Council of Governments—List of Processing Facilities

COG	Permit or Registration	Site Name	County	Type	2019 Tons
23	2368	S & M Vacuum & Liquid Waste Processing Facility	Bell	5GG	4,108
23	40209	Killeen Transfer Station	Bell	5TS	113,980
23	40234	Stericycle Temple Medical Waste Transfer Station	Bell	5MWTS	633
23	42035	Bell County WCID 1 Regional Compost Facility	Bell	5RC	7,778
23	40145	City of Copperas Cove Transfer Station	Coryell	5TS	26,854
23	42017	City of Copperas Cove Compost Facility (facility reported chipping of brush for mulch only; Other incoming brush is diverted to Bell County WCID 1 Compost facility; no composting occurred on-site in 2019)	Coryell	5RC	0
23	42040	Fort Hood Biotreatment Facility	Coryell	5TS	368
23	40004	City of Hico Transfer Station	Hamilton	5TS	134
23	40160	City of San Saba Transfer Station	San Saba	5TS	3,747

**COG 24: Middle Rio Grande Development Council—Processing Facility Locations**



**COG 24: Middle Rio Grande Development Council—List of Processing Facilities**

<b>COG</b>	<b>Permit or Registration</b>	<b>Site Name</b>	<b>County</b>	<b>Type</b>	<b>2019 Tons</b>
24	40057	City of Rock Springs Transfer Station	Edwards	5TS	457
24	40170	City of Brackettville Transfer Station	Kinney	5TS	666
24	40251	City of Cotulla Transfer Station	La Salle	5TS	10

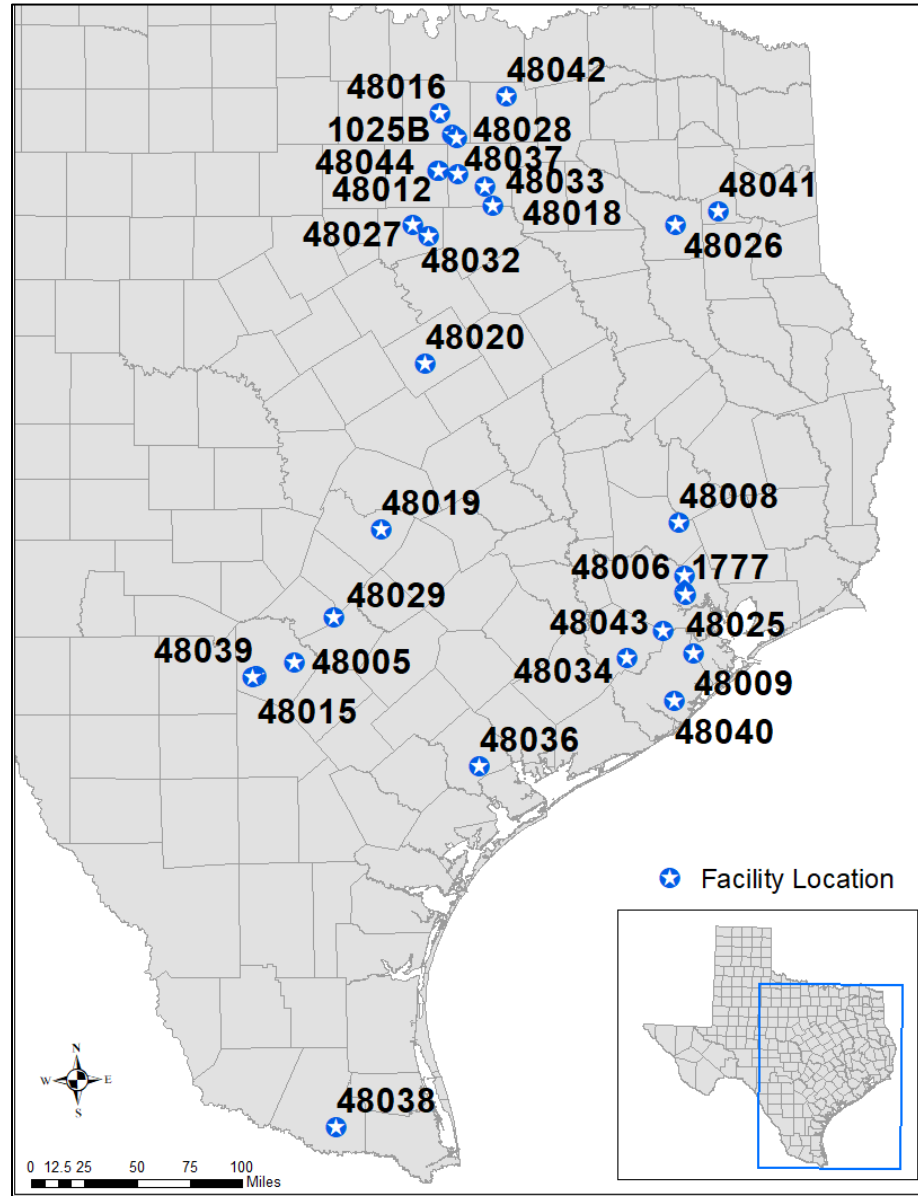
# Facility Data for MSW Facilities Recovering Landfill Gas for Beneficial Use

The map and table included in this section represents the active facilities that recovered landfill gas for beneficial use (Type 9GR) in 2019. The table is organized by COG region and county. All reported values were rounded to the nearest whole number.

**Key for Landfill Gas Recovery Facilities Data Table**

<b>Column Heading</b>	<b>Description</b>
Landfill	Permit number of the landfill from which the 9GR facility recovers gas
Gas Processed (ft <sup>3</sup> )	Estimated standard cubic feet (ft <sup>3</sup> ) of gas processed at the facility
Gas Distributed Off-site (ft <sup>3</sup> )	Estimated standard cubic feet (ft <sup>3</sup> ) of gas distributed off-site from the facility
Power Generated and Sold (kWh)	Estimated kilowatt hours (kWh) of power generated and sold by the facility
Power Generated and Used On-Site (kWh)	Estimated kilowatt hours (kWh) of power generated and used on-site by the facility

### Locations of Facilities Recovering Landfill Gas for Beneficial Use in 2019



### List of Facilities Recovering Landfill Gas for Beneficial Use in 2019

COG	Permit or Registration	Site Name	County	Landfill	Gas Processed (ft <sup>3</sup> )	Gas Distributed Off-site (ft <sup>3</sup> )	Power Generated and Sold (kWh)	Power Generated and Used On-Site (kWh)
4	48042	121 RDF Landfill Gas Treatment Facility	Collin	2294	2,541,057,000	1,239,540,000	0	0
4	48018	Skyline Landfill Gas to Electric Facility	Dallas and Ellis	42D	986,466,800	0	3,758,175	1,545,180
4	48033	McCommas Bluff Landfill Gas Processing Facility	Dallas	62	4,377,979,000	2,245,034,000	0	0
4	48037	City of Grand Prairie Landfill Gas to Energy Facility	Dallas	996C	2,500,000	0	105,000	0
4	1025B	DFW Recycling and Disposal Landfill Gas to Energy Facility	Denton	1025B	2,290,866,000	0	87,826,843	10,492,624
4	48016	City of Denton Landfill Gas to Energy Facility	Denton	1590A	366,845,916	0	12,706,392	8,634
4	48028	Camelot Landfill Gas to Energy Facility	Denton	1312B	0	0	26,483,806	1,032,836
4	48032	Turkey Creek Landfill Gas Treatment Facility	Johnson	1417B	1,238,353,750	604,075,000	0	0
4	48012	City of Arlington Landfill Gas Processing Plant	Tarrant	358B	401,184,000	401,184,000	0	0
4	48027	Westside Landfill Gas to Electric Facility	Tarrant	1019A	487,358,000	0	24,984,694	1,063,999
4	48044	City of Arlington Landfill Gas Processing Plant	Tarrant	358B	361,194,150	192,517,979	0	0
6	48041	Pinehill Landfill Gas Treatment Facility	Gregg	1327B	718,320,000	350,400,000	0	0
6	48026	Greenwood Farms Landfill Gas Treatment Facility	Smith	1972A	835,047,000	407,340,000	0	0
11	48020	City of Waco Landfill Gas Recovery Facility	McLennan	948A	145,596,200	0	0	0

COG	Permit or Registration	Site Name	County	Landfill	Gas Processed (ft <sup>3</sup> )	Gas Distributed Off-site (ft <sup>3</sup> )	Power Generated and Sold (kWh)	Power Generated and Used On-Site (kWh)
12	48019	Austin Community Landfill Power Station	Travis	249D	895,976,000	0	38,004,350	2,048,656
16	48040	Seabreeze Landfill Gas Treatment Facility	Brazoria	1539A	1,293,833,391	643,351,499	0	0
16	48034	Fort Bend Landfill Gas Treatment Facility	Fort Bend	2270	1,641,843,915	646,348,864	0	0
16	48043	Blue Ridge Landfill Gas Treatment Facility	Fort Bend	1505A	3,766,690,000	1,837,410,000	0	0
16	48009	Coastal Plains Landfill Gas to Energy Facility	Galveston	1721A	0	0	8,136,343	4,485,900
16	1777	McCarty Road Landfill Gas Recovery Facility	Harris	261B	2,386,299,736	1,331,175,000	0	0
16	48006	Humble Renewable Energy Plant	Harris	1307D	2,598,718,753	1,086,860,798	0	0
16	48025	Ameresco McCarty Energy Landfill Gas Treatment Facility	Harris	261B	563,839,030	563,839,030	0	0
16	48008	Security Landfill Gas to Energy Facility	Montgomery	1752B	0	0	17,186,831	18,119,900
17	48036	City of Victoria Landfill Gas Treatment Facility	Victoria	1522A	170,705,000	170,705,000	0	0
18	48005	Tessman Road Landfill Gas Power Station	Bexar	1410C	949,865,775	0	40,623,596	3,064,581
18	48015	Covel Gardens Landfill Gas Power Station	Bexar	2093B	1,407,316,576	0	57,945,875	4,285,925
18	48039	Nelson Gardens Landfill Gas to Energy Facility	Bexar	1237	540,496,000	0	18,276,742	32,062
18	48029	Mesquite Creek Landfill Gas to Energy Facility	Comal	66B	536,438,000	0	25,307,147	873,656
21	48038	Edinburg Landfill Gas Treatment Facility	Hidalgo	956B	887,425,000	432,890,000	0	0



# Waste and Material Type Descriptions

## Descriptions of Waste and Material Types

Waste or 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 30 TAC §335.505 (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 30 TAC §335.506 (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 30 TAC §335.507 (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 or 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.
Litter	Rubbish and putrescible waste.

<b>Waste or Material Type</b>	<b>Description</b>
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. Health care-related facilities do not include: (A) single or multi-family dwelling; and (B) hotels, motels, or other establishments that provide lodging and related services for the public.
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 buildings.
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	Nonhazardous Industrial Waste. Includes Class 1, Class 2, and 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 30 TAC §332.33(b) (relating to Required Forms, Applications, Reports, and Request to Use the Sludge Byproduct of Paper Production).
Putrescible waste	Organic wastes, such as garbage, wastewater treatment plant sludge, and grease trap waste, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.

<b>Waste or Material Type</b>	<b>Description</b>
RACM	Regulated asbestos-containing material as defined in 40 Code of Federal Regulations Part 61, as amended, includes: friable asbestos material, Category I nonfriable asbestos-containing materials (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 brush.
Regulated Hazardous Waste	A solid waste that is a hazardous waste as defined in 40 Code of Federal Regulations (CFR) §261.3 and that is not excluded from regulation as a hazardous waste under 40 CFR §261.4(b), or that was not generated by a conditionally exempt small-quantity generator.
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.
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 trimmings	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.