

Regional Solid Waste Management Plan Volume I

Regional Organization Information

Table 1. Organization Information

Name of Council of Government	Texoma Council of Governments (TCOG)
Mailing Address	1117 Gallagher Drive, Sherman, TX 75090
Website	www.tcog.com
Phone Number	(903) 893-2161
Email Address	tcog@texoma.cog.tx.us

Section I. Geographic Scope

Table I.I. Geographic Scope

Names of Member Counties in the Entire Planning Region	Cooke, Fannin, Grayson Counties
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Section II. Plan Content

II.A. Regional Goals and Objectives

Table II.A. Regional Goals and Objectives

<p>Goal #1 Ensure adequate levels of transportation and disposal capacities throughout the region.</p>	<p>Objective 1.A. Consider integrated waste management options, as well as the use of Type IV landfills, to ensure the availability of Type I disposal capacity.</p> <p>Objective 1.B. Promote integrated solid waste management practices that provide adequate and accessible collection and disposal options for rural and underserved areas.</p> <p>Objective 1.C. Facilitate local, regional, and state partnerships to address sites listed on the Closed and Abandoned Landfill Inventory (CLI).</p> <p>Objective 1.D. Establish voluntary pre-application review and public participation procedures through existing solid waste advisory committees.</p> <p>Objective 1.E. Establish clearly defined processes for how conformance recommendations will be made to the Texas Commission on Environmental Quality (TCEQ).</p> <p>Objective 1.F. Encourage and support local governments in adopting “Don’t Bag It” programs for lawn clippings.</p>
<p>Goal #2 Develop local programs in source reduction, waste minimization, reuse, recycling, and composting in order to conserve disposal capacity and resources.</p>	<p>Objective 2.A. Initiate a study to evaluate regional collection, transportation, processing, and marketing options.</p> <p>Objective 2.B. Provide technical assistance to local governments, businesses and institutions in identifying and implementing source reduction, waste minimization, reuse, and recycling strategies, including use of drop off recycling centers.</p> <p>Objective 2.C. Encourage local governments and school districts to adopt internal source reduction, reuse, recycling, and recycled content procurement programs.</p> <p>Objective 2.D. Host education/awareness programs targeting proper methods of preparing recyclables, as well as encouraging consumers to "precycle" and "buy recycled".</p> <p>Objective 2.E. The amount of municipal solid waste (MSW) diverted from disposal through source reduction, waste minimization, reuse and recycling programs in the Texoma region should be estimated on an annual basis and publicized.</p> <p>Objective 2.F. Consider facilitating cooperative contracting agreements between local governments to help collect & recycle a wider variety of materials.</p> <p>Objective 2.G. Promote better enforcement of illegal dumping and creating clean-up events with the local cities and/or schools.</p>

<p>Goal #3 Develop programs to assist regional and local entities in controlling and stemming illegal and improper disposal practices. Include TCOG-hosted household hazardous waste (HHW) events throughout the region.</p>	<p>Objective 3.A. Coordinate education/awareness for citizens discouraging illegal dumping, open burning, and other improper disposal practices.</p> <p>Objective 3.B. Coordinate education/awareness programs to inform residents about alternatives to hazardous home products.</p> <p>Objective 3.C. Coordinate education/awareness programs to improve practices of small quantity generators.</p> <p>Objective 3.D. Assist local governments in developing plans for management of special waste by hosting multiple HHW events each year in all 3 counties.</p> <p>Objective 3.E. Continue utilizing the regional "Dumpstoppers" hotline and reward system and track costs of illegal dumping.</p>
<p>Goal #4 Develop cost-effective, efficient, and environmentally suitable solid waste management systems throughout the region.</p>	<p>Objective 4.A. Assess for and coordinate with areas in need of a locally tailored solid waste management with community specific goals.</p> <p>Objective 4.B. The Natural Resources Advisory Committee (NRAC) should periodically report on the status of implementing their regional projects, through semiannual reports required by the Texas Commission on Environmental Quality (TCEQ).</p> <p>Objective 4.C. Establish priorities for use of solid waste grant funds, which, once approved, will form the basis for regional solid waste grant funding decisions.</p> <p>Objective 4.D. TCOGs' solid waste grant funding decisions should be directly tied to implementation of the regional solid waste management plan.</p>

II.B. Waste Minimization, Reuse, and Recycling

Table II.B. Waste Minimization, Reuse, and Recycling

Subject	Description
<p>Current Efforts to Minimize Municipal Solid Waste and to Reuse or Recycle Waste</p>	<p>TCOG’s Natural Resources Advisory Committee (NRAC) reviews potential projects annually for compliance with the Regional Solid Waste Management Plan (RSWMP) and prioritizes programs that reduce waste, promote recycling and reuse, or reflect methods that do not negatively affect the environment. TCOG coordinates one Household Hazardous Waste (HHW) collection event per county each year and has migrated to a staggered schedule to allow for more opportunities for participation. Educational presentations are regularly hosted to provide information on improved recycling practices, common ways to reduce/reuse/recycle waste, composting practices, and more.</p>
<p>Recycling Rate Goal for the Region</p>	<p>Data related to recycling in the TCOG Region are significantly limited, however, available figures reported by processing facilities indicate the Region had a 1.6% recycling rate in 2019. We want to establish a recycling rate goal of 2-3%. To do this, we need to commit to improving data collection. We commit to improving this rate in the near future as we receive more data, as part of our 5 year plan. Due to the significant limitation of these data, it is recommended that rather than establishing a reasonable recycling rate goal, the TCOG Region prioritize improved and consistent recycling data collection in order to establish a more reasonable and data-based objective.</p>
<p>Recommendations for Encouraging and Achieving a Greater Degree of Waste Minimization and Waste Reuse or Recycling</p>	<p>The NRAC should continue to prioritize programs intended to minimize waste and increase opportunities to recycle and reuse materials. As above, improvements should be made to the data collection methodology and reporting requirements in regards to recycling figures to better assess the Region’s progress related to recycling efforts. HHW and educational events should also be continued and TCOG should continue efforts to respond to community feedback related to these events.</p>

Subject	Description
Existing or Proposed Community Programs for the Collection of Household Hazardous Waste	Existing efforts include hosting one HHW event per county each year. Based on community feedback, in 2020, these events were staggered to allow residents more opportunities to participate. Additionally, TCOG has made available an online map for residents to locate ongoing collection facilities for HHW collection outside of county events.
Composting Programs for Yard Waste	<p>The recommended composting programs for yard waste and related organic wastes may include:</p> <ul style="list-style-type: none"> ☒ (I) creation and use of community composting centers; ☒ (II) adoption of the "Don't Bag It" program for lawn clippings developed by the Texas Agricultural Extension Service; and ☒ (III) development and promotion of education programs on home composting, community composting, and the separation of yard waste for use as mulch.
Public Education/Outreach	<p>TCOG has found success in using a multimedia approach by mailing flyers, sharing social media posts, posting flyers, creating videos, and utilizing their website to communicate upcoming workshops, tips to improve waste management practices for residents and businesses, and more. Educational events are hosted at least quarterly and are coordinated more frequently when time, capacity, and budget allow. Opportunities are regularly provided for residents to submit feedback which is regularly discussed at NRAC meetings.</p>

II.C. Commitment Regarding the Management of MSW Facilities

By checking the boxes below, the Texoma Council of Governments makes a commitment to the following, regarding the management of MSW facilities:

- (i) encouraging cooperative efforts between local governments in the siting of landfills for the disposal of solid waste;
- (ii) assessing the need for new waste disposal capacity;
- (iii) considering the need to transport waste between municipalities, from a municipality to an area in the jurisdiction of a county, or between counties, particularly if a technically suitable site for a landfill does not exist in a particular area;
- (iv) allowing a local government to justify the need for a landfill in its jurisdiction to dispose of the solid waste generated in the jurisdiction of another local government that does not have a technically suitable site for a landfill in its jurisdiction;
- (v) completing and maintaining an inventory of MSW landfill units in accordance with Texas Health and Safety Code, §363.064. One copy of the inventory shall be provided to the commission and to the chief planning official of each municipality and county in which a unit is located; and
- (vi) developing a guidance document to review MSW registration and permit applications to determine conformance with the goals and objectives outlined in *Volume II: Regional Solid Waste Management Plan Implementation Guidelines* as referenced in 30 TAC §330.643. (ref. Vol II, Section III.O)

Section III. Required Approvals

Table III.I. Required Approvals

Solid Waste Advisory Committee	7/27/2021
Public Meeting Dates	2/25/2021; 6/2/2021; 6/28/2021
Executive Committee	8/19/2021

Regional Solid Waste Management Implementation Plan Volume II

Regional Organization Information

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Section I. Geographic Scope

Table I.I. Geographic Scope

I.A. Names of Member Counties in the Entire Planning Region	Cooke, Grayson, and Fannin Counties
I.B. Geographic Planning Units Used in the Regional Implementation Plan	<input checked="" type="checkbox"/> Small geographic areas such as census tracts or city boundaries for the most detailed data collection and manipulation; <input checked="" type="checkbox"/> Planning areas to be used for the assessment of concerns and the evaluation of alternatives. These planning areas shall be aggregations of small geographic areas; <input checked="" type="checkbox"/> County boundaries for the summarization and presentation of key information; or <input checked="" type="checkbox"/> The entire planning region

Section II. Planning Periods

Table II.I. Planning Periods

II.A.1. Current and Historical Information	To date, we have reduced the cost of having HHW events and have been able to provide more events the last 2 years. 2020-2022.
II.A.2. Short-range Planning Period (up to 5 years)	The plan is to have one household hazardous waste (HHW) event per year rotating between the 3 counties in 2022-2027. In the meantime, we can have electronics and paint events anytime.
II.A.3. Intermediate Planning Period (6-10 years)	2027-2032 will continue the short-range programs while trying to implement better HHW services to our counties, possibly our own Recycling Center.
II.A.4. Long-range Planning Period	In 2032 and into the future, we plan to put into place a more permanent way of handling HHW waste via our own recycling center or multiple collection sites with weekly pickup.

Section III. Plan Content

III.A. Demographic Information

Table III.A.I. Residential Waste Generation

Year	Growth Rate per Year	Current Population / Population Projection	Landfill Disposal (Tons)	Disposal Rate (lbs./Person/Day)	Recycling (Tons)	Recycling Rate (lbs./Person /Day)	Residential Waste Generation (Tons)
Current	N/A	206,034	217,711 tons	5.79 lbs/p/day	1,098.80	0.029 lbs/p/day	225,054
2022	2.75%/yr	211,704	223,702 tons	5.79 lbs/p/day	1,129.02	0.029 lbs/p/day	231,243
2027	2.13%/yr	216,223	228,477 tons	5.79 lbs/p/day	1,122.20	0.028 lbs/p/day	236,168
2032	1.49%/yr	219,464	231,902 tons	5.79 lbs/p/day	1,138.93	0.028 lbs/p/day	239,687
2037	0.96%/yr	221,584	234,142 tons	5.79 lbs/p/day	1,149.86	0.028 lbs/p/day	241,988
2042	0.76%/yr	223,273	235,927 tons	5.79 lbs/p/day	1,158.60	0.028 lbs/p/day	243,827

Table III.A.II. Commercial Waste Generation

Year	Description of significant commercial activities affecting waste generation and disposal in the area.	Expected increase or decrease to Commercial Waste Generation
2022	Based on a review of surveys, limited available data and industry trends, no significant commercial activities affecting waste generation and disposal in the area are anticipated.	No growth over 5% was anticipated.
2027	Based on a review of limited available data and industry trends, no significant commercial activities affecting waste generation and disposal in the area are anticipated.	No growth over 5% was anticipated.
2032	Based on a review of limited available data and industry trends, no significant commercial activities affecting waste generation and disposal in the area are anticipated.	No growth over 5% was anticipated.
2037	Based on a review of limited available data and industry trends, no significant commercial activities affecting waste generation and disposal in the area are anticipated.	No growth over 5% was anticipated.
2042	Based on a review of limited available data and industry trends, no significant commercial activities affecting waste generation and disposal in the area are anticipated.	No growth over 5% was anticipated.

Table III.A.III. Industrial Waste Generation

Year	Description of significant industrial waste activities affecting waste generation and disposal in the area.	Expected increase or decrease to Industrial Waste Generation
2022	Based on a review of available data and projected trends in industry, no significant industrial waste activities are anticipated to affect waste generation and disposal in the area.	No increase greater than 3% has been reported.
2027	Based on a review of available data and projected trends in industry, no significant industrial waste activities are anticipated to affect waste generation and disposal in the area.	No increase greater than 3% has been reported.
2032	Based on a review of surveys, limited data and projected trends in industry, no significant industrial waste activities are anticipated to affect waste generation and disposal in the area.	No increase greater than 3% has been reported.
2037	Based on a review of surveys, limited data and projected trends in industry, no significant industrial waste activities are anticipated to affect waste generation and disposal in the area.	No increase greater than 3% has been reported.
2042	Based on a review of surveys, limited data and projected trends in industry, no significant industrial waste activities are anticipated to affect waste generation and disposal in the area.	No increase greater than 3% has been reported.

III.B. Estimates of Current and Future Solid Waste Amounts by Type

Table III.B.1. Current and Future Solid Waste Amounts by Type

Waste Type	Number of Landfills Accepting Waste Type	Percent of Total Tons Disposed	Current Year	5-year Projection (tons)	10-year Projection (tons)	15-year Projection (tons)	20-year Projection (tons)
Municipal	2	92%	269,256	276,661	282,553	286,763	289,516
Brush	2	0%	0	0	0	0	0
Construction or Demolition	2	1%	1,931	1,984	2,026	2,057	2,076
Litter	0	0%	0	0	0	0	0
Class 1 Non- hazardous	0	0%	0	0	0	0	0
Classes 2 and 3 Non- hazardous	2	1%	4,370	4,490	4,586	4,654	4,699
Incinerator Ash	0	0%	0	0	0	0	0
Treated Medical Waste	0	0%	0	0	0	0	0
Municipal Hazardous Waste from CESQGs	0	0%	0	0	0	0	0
Regulated Asbestos-containing Material (RACM)	0	0%	0	0	0	0	0
Non-RACM	0	0%	0	0	0	0	0
Dead Animals	2	0%	205	211	215	218	220
Sludge	2	3%	9,265	9,520	9,723	9,867	9,962
Grease Trap Waste	0	0%	0	0	0	0	0
Septage	0	0%	0	0	0	0	0
Contaminated soil	2	3%	7,549	7,757	7,922	8,040	8,117
Tires (split, quartered, shredded)	0	0%	0	0	0	0	0
Pesticides	0	0%	0	0	0	0	0
Used Oil Filter	0	0%	0	0	0	0	0
Total	2	100%	292,576	300,622	307,025	311,600	314,591

III.C. Description of Current and Planned Solid Waste Management Activities

Table III.C.I. Current Solid Waste Management Activities in the Region

Activity	Description
Generation	TCOG staff have provided educational resources and workshops to promote zero waste options and reuse or donation of materials. Resources are tailored to residents and commercial businesses depending upon the topic of discussion.
Source Separation	Source separation remains a challenge for the Region, however, TCOG continues to coordinate with RSWM facilities to encourage and support separation of wastes.
Collection	TCOG will be collecting solid waste and HHW through events where the public can bring it to us at a collection point to be determined in all 3 counties as often as possible. The City of Sherman is investigating the cost and responsibilities that would go along with a city recycling facility.
Handling	TCOG has MOUs with several vendors who will handle the waste including transport. We do require a license and insurance and an EPA number registered in the state of Texas.
Storage	TCOG not be responsible for any storage of any material. We will have vendors present who will take immediate possession of the waste and store it according to laws of the state of Texas.
Transportation	The Texoma Area Solid Waste Authority (TASWA) accepts batteries and transports them to a metal recycler in the area. Transportation of event collection items will be handled by vendors from collection site back to their respective locations to process.
Processing	TCOG vendors will process everything we collect at our events. They will transport, handle and process all wastes collected pursuant to the laws of Texas.
Treatment	Some of the material will be recycled but the majority will be treated by the vendors into a safe material that will then be delivered to places in Texas that can handle these types of wastes.
Resource Recovery	TCOG regularly looks for opportunities for resource recovery and is exploring the feasibility of utilizing closed landfills for this purpose.
Disposal of Solid Waste	Disposal of all non-recyclable material will be handled by our vendors after the material has been deemed safe.

Table III.C.II. Planned Solid Waste Management Activities in the Region

Activity	Description
Generation	TCOG will continue to offer educational resources in terms of online resources, workshops, webinars, and an ongoing open line of communication to educate residents and businesses about effective recycling and reuse practices to encourage more environmentally preferred methods. Available resources will further be communicated on a regular basis to ensure awareness and encourage participation.
Source Separation	In 2021 NRAC is exploring the use of surplus funds to initiate a region-wide collection/disposal program for: scrap tires, medications, propane canisters, and the creation of a Paint & HHW reuse center within the Region.
Collection	NRAC is exploring a partnership with the non-profit, National Stewardship Action Council, to promote closed-loop, end use recycling initiatives and helps connect communities to create partnerships and programs with industry partners who wish to be good stewards. The City of Sherman is exploring the option of a Paint & HHW reuse center within the Region.
Handling	TCOG will review periodic reports by MSW facilities and community feedback to assess for any changing needs in handling policies and practices.
Storage	TCOG will review periodic reports by MSW facilities and community feedback to assess for any changing needs in storage policies and practices. This includes regular assessment of the remaining capacity of each facility to meet future demand.
Transportation	TCOG has relocated HHW collection events in counties where previous locations utilized gravel roads, which collection trucks faced difficulties in navigating. The larger transportation network will also be assessed regularly to ensure it is supportive of current region-wide solid waste management.
Processing	All three counties have expressed interest in refining their scrap tire programs. TCOG and NRAC will continue to coordinate with county officials to seek solutions to scrap tire collection. In 2021 a new program has been initiated to provide Fannin and Grayson County with trailers once 600 tires have been collected for transport. The City of Sherman is exploring purchasing a tire shredder to share with the region.
Treatment	TCOG will review periodic reports by MSW facilities and community feedback to assess for any changing needs in treatment policies and practices. This includes coordinating with facility officials to review newly available technologies and methodologies.
Resource Recovery	Opportunities for resource recovery programs are revisited on an annual basis. To date, available programs have been deemed to be not financially feasible or too complicated given existing capacities
Disposal of Solid Waste	<p>The City of Gainesville does the following: Tire Recycling - 360 Tire 4932 I-30 Frontage Rd., Caddo Mills, Texas Wood Waste reduction - GWG Wood Group, 2797 Millers Ferry Rd, Ferris, Texas Recycling, Cardboard, Newspaper - Pratt Industries, Denton Texas</p> <p>TCOG will review periodic reports by MSW facilities and community feedback to assess for any changing needs in disposal policies and practices. This will include the growth of the dumpstoppers program and hotline to further hinder illegal dumping practices.</p>

III.D. Description and Assessment of the Adequacy of Existing Solid Waste Management Facilities & Practices, and Household Hazardous Waste Programs

Table III.D.I. Adequacy of Existing Facilities and Practices

Program	Facility Adequacy	Practices Adequacy
Resource Recovery	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>
Storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>
Transportation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>
Treatment	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>
Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>
Household Hazardous Waste Collection	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D. (p.22)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>
Household Hazardous Waste Disposal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, description of facility inadequacy provided in <i>Attachment III. D. (p.22)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, description of practice inadequacy provided in <i>Attachment III. D.</i>

III.E. Assessment of Current Source Reduction and Waste Minimization Efforts, Including Sludge, and Efforts to Reuse or Recycle Waste

Assessment of current source reduction and minimization efforts, including activities to reduce sludge, and efforts to reuse or recycle waste is provided as *Attachment III.E. (p.23)*

III.F. Identification of Additional Opportunities for Source Reduction and Waste Minimization, and Reuse or Recycling of Waste

Table III.F.I Recommendations for Encouraging and Achieving a Greater Degree of Source Reduction and Waste Minimization, and Reuse or Recycling of Waste

Category of Activity (Source Reduction and Waste Minimization, Reuse or Recycling of Waste)	Opportunity Name	Brief Description
Reuse or Recycling of Waste	Partnership with National Stewardship Action Council (NSAC)	NSAC coordinates with public entities to encourage public-private partnerships to run programs that promote closed-loop, end use recycling initiatives.
Reuse or Recycling	Inmar Partnership	Inmar is a pharmacy service company that works with CVS, Walgreens, and Albertsons to implement year-round prescription disposal facilities.
Reuse or Recycling	Habitat for Humanity Re- Stores	Partnerships can support the possibility of an HHW and paint re- use center.
Waste Minimization and Reuse	UHaul Partnership	UHaul has a program for a propane exchange program that could be implemented in the region.

III.G. Identification of Public and Private Management Agencies and Responsibilities

Table III.G.I. Recommendations for Greater Source Reduction and Waste Minimization, and Reuse or Recycling of Waste

#1 Encourage cooperative commitment between NRAC, TCOG, regional communities, and other governing entities to make source reduction, waste minimization, and reuse and recycling programs more feasible.
#2 Advance and expand public outreach and education efforts to communicate best practices and available resources. Consider community and business audiences respectively.
#3 Expand and improve composting practices by considering a community compost center or the adoption of a “Don’t Bag It” program.

III.H. Identification of Public and Private Management Agencies and Responsibilities

- ☒ A list of public and private solid waste management agencies and their responsibilities that affect and impact solid waste management in the planning region is provided as *Attachment III.H. (p.26)*

III.I. Identification of Solid Waste Management Concerns and Establishment of Priorities for Addressing Those Concerns

Table III.I.I Solid Waste Management Concerns and Priorities

Solid Waste Management Concern	Priorities to Address the Concern
Illegal Dumping	Illegal dumping remains an ongoing challenge for the region due to its rural nature. The Dumpstoppers program had started to address these issues, however, communicating this resource and expanding its ability to respond will be critical to achieving long-term success.
Scrap Tire Collection	Scrap tire collection has been highlighted by all three counties as an ongoing challenge. Two regional collection locations have been established, however, a Cooke County collection location has not yet been established.
HHW Collection	HHW collection events have improved based on community feedback over time (e.g. staggering schedules to allow for increased participation). However, ongoing collection facilities should be established to allow for ongoing proper disposal practices.
Efficacy of Existing Recycling Programs	Existing recycling programs are often deemed to be cost prohibitive due to improper recycling practices. Clear, well-marked drop off locations with bright lighting and instructions for proper disposal have proven more successful and should be considered where curbside recycling is not feasible. Collaboration between nearby communities may also make these programs more feasible.

III.J. Planning Areas and Agencies with Common Solid Waste Management Concerns that Could be Addressed Through Joint Action

Table III.J.I Planning Areas and Agencies with Common Solid Waste Management Concerns

Solid Waste Management Concern	Names of Planning Areas and Agencies that Could Address the Concern via Joint Action(s)
Illegal Dumping	TCOG, Grayson County, Cooke County, Fannin County, TCEQ, Member Communities, Community Organizations
Scrap Tire Collection	TCOG, Grayson County, Cooke County, Fannin County, TCEQ, Member Communities, Area Businesses, NSAC
HHW Collection	TCOG, Grayson County, Cooke County, Fannin County, TCEQ, Member Communities, Area Businesses, NSAC
Efficacy of Existing Recycling Programs	TCOG, Grayson County, Cooke County, Fannin County, TCEQ, Member Communities, Area Businesses, Area Schools, NSAC

III.K. Identification of Incentives and Barriers for Source Reduction and Waste Minimization, and Resource Recovery, Including Identification of Potential Markets

Table III.K.I Incentives and Barriers for Source Reduction and Waste Minimization, and Resource Recovery

Source Reduction and Waste Minimization	
Incentives: Cost savings, enhance sustainability, reduce greenhouse gas emissions, conserve resources, knowledge	Source reduction and waste minimization can cut disposal costs, managing waste can boost image or attract tenants and residents, waste prevention and recycling hold significant potential to reduce greenhouse gas emissions, and knowledge of wastes and amounts produced can provide the knowledge needed to negotiate services.
Barriers: Low population density, high costs, improper disposal practices, unknown resources	Low population density and high distances can increase the costs for source reduction and waste minimization programs, improper disposal practices can also contribute to less cost-effective programs (e.g., disposing of contaminated recyclable materials), and a lack of community and business knowledge about available resources and programs are impacting factors.
Resource Recovery	
Incentives: Cost savings, enhance sustainability, conserve resources, reduces greenhouse gas emissions	Converting non-recyclable waste materials into energy resources (e.g., heat, electricity, fuel) can provide a lower-cost source of energy, enhances sustainability and reduces greenhouse gas emissions by preventing methane gas generation, and can reduce dependency on other resources like fossil fuels.
Barriers: High costs, capacity constraints, determining appropriate technologies	Initial coordination can prove cost prohibitive, capacity constraint in terms of management, maintenance, and monitoring can prove another challenge and may require additional personnel, determining the appropriate technology based on existing site design can also prove another barrier to successful implementation.
Potential Markets	
Sites on the Closed Landfill Inventory	Closed Landfills may provide a solution to reactivate vacant sites through settling and allowing more material to be handled there.
Area Businesses	Area employers interested in establishing more sustainable practices may be interested in coordinating source reduction and reuse programs at their business.
County Governments	County governments may be more interested in exploring resource recovery options or region-wide recycling and reuse programs.

III.L. Regional Goals and Objectives, Including Waste Reduction Goals

Table III.L.I Regional Goals and Objectives

<p>Goal #1 Ensure adequate levels of transportation and disposal capacities throughout the region.</p>	<p>Objective 1.A. Consider integrated waste management options, as well as the use of Type IV landfills, to ensure the availability of Type I disposal capacity.</p> <p>Objective 1.B. Promote integrated solid waste management practices that provide adequate and accessible collection and disposal options for rural and underserved areas.</p> <p>Objective 1.C. Facilitate local, regional, and state partnerships to address sites listed on the Closed and Abandoned Landfill Inventory (CLI).</p> <p>Objective 1.D. Establish voluntary pre-application review and public participation procedures through existing solid waste advisory committees.</p> <p>Objective 1.E. Establish clearly defined processes for how conformance recommendations will be made to the TCEQ.</p> <p>Objective 1.F. Encourage and support local governments in adopting “Don’t Bag It” programs for lawn clippings.</p>
<p>Goal #2 Develop local programs in source reduction, waste minimization, reuse, recycling, and composting in order to conserve disposal capacity and resources.</p>	<p>Objective 2.A. Initiate a study to evaluate regional collection, transportation, processing, and marketing options.</p> <p>Objective 2.B. Provide technical assistance to local governments, businesses and institutions in identifying and implementing source reduction, waste minimization, reuse, and recycling strategies, including use of drop off recycling centers.</p> <p>Objective 2.C. Encourage local governments and school districts to adopt internal source reduction, reuse, recycling, and recycled content procurement programs.</p> <p>Objective 2.D. Host education/awareness programs targeting proper methods of preparing recyclables, as well as encouraging consumers to "precycle" and "buy recycled".</p> <p>Objective 2.E. The amount of MSW diverted from disposal through source reduction, waste minimization, reuse and recycling programs in the Texoma region should be estimated on an annual basis and publicized.</p> <p>Objective 2.F. Consider facilitating cooperative contracting agreements between local governments to help collect & recycle a wider variety of materials.</p> <p>Objective 2.G Promote better enforcement of illegal dumping and creating clean-up events with the local cities and/or schools.</p>
<p>Goal #3 Develop programs to assist regional and local entities in controlling and stemming illegal and improper disposal practices.</p>	<p>Objective 3.A. Coordinate education/awareness for citizens discouraging illegal dumping, open burning, and other improper disposal practices.</p> <p>Objective 3.B. Coordinate education/awareness programs to inform residents about alternatives to hazardous home products.</p> <p>Objective 3.C. Coordinate education/awareness programs to improve practices of small quantity generators.</p> <p>Objective 3.D. Assist local governments in developing plans for management of special waste by hosting multiple HHW events each year in all 3 counties.</p> <p>Objective 3.E. Continue utilizing the regional "dumpstoppers" hotline and reward system and track costs of illegal dumping.</p>

<p>Goal #4 Develop cost-effective, efficient, and environmentally suitable solid waste management systems throughout the region</p>	<p>Objective 4.A. Assess for and coordinate with areas in need of a locally tailored solid waste management with community specific goals.</p> <p>Objective 4.B. The Natural Resources Advisory Committee (NRAC) should periodically report on the status of implementing their regional projects, through semiannual reports required by the Texas Commission on Environmental Quality (TCEQ).</p> <p>Objective 4.C. Establish priorities for use of solid waste grant funds, which, once approved, will form the basis for regional solid waste grant funding decisions.</p> <p>Objective 4.D. TCOGs' solid waste grant funding decisions should be directly tied to implementation of the regional solid waste management plan.</p>
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III.M. Advantages and Disadvantages of Alternative Actions

Are alternative actions being considered in this plan for the regional area?	<input type="checkbox"/> Yes. Provide details in <i>Attachment III.M.</i> <input checked="" type="checkbox"/> No. No further action required.
--	--

III.N. Recommended Plan of Action and Associated Timetable for Achieving Specific Goals and Objectives

Table III.N.I Plan of Action and Timetable for Achieving Specific Goals and Objectives

Goal/Objective	Plan of Action	Milestone Dates
Waste Reduction	Efforts to encourage recycling and reuse opportunities through local collaboration, public-private partnerships, and coordination with solid waste management facilities remains ongoing.	Short-Term 2022-2027
Develop programs to assist regional and local entities in controlling and stemming illegal and improper disposal practices.	<p>A. Coordinate education/awareness for citizens discouraging illegal dumping, open burning, and other improper disposal practices.</p> <p>B. Coordinate education/awareness programs to inform residents about alternatives to hazardous home products.</p> <p>C. Coordinate education/awareness programs to improve practices of small quantity generators.</p> <p>D. Assist local governments in developing plans for management of special waste.</p> <p>E. Continue utilizing the regional "Dumpstoppers" hotline and reward system and track costs of illegal dumping.</p>	Intermediate-Term 2028-2032
Composting Programs for Yard Programs for Yard Wastes and Related Organic Wastes	TCOG will coordinate with municipalities individually to support the local adoption of "Don't Bag It" programs for lawn clippings	Long-Term 2033-2042
Household Hazardous Waste Collection and Disposal Programs	Continue ongoing efforts to communicate available resources for drop off locations. Continue hosing yearly events for each county on a staggered schedule.	Short-Term 2022-2027
Develop local programs in source reduction, waste minimization, reuse, recycling, and composting in order to conserve disposal capacity and resources.	<p>A. Initiate a study to evaluate regional collection, transportation, processing, and marketing options.</p> <p>B. Provide technical assistance to local governments, businesses and institutions in identifying and implementing source reduction, waste minimization, reuse, and recycling strategies, including use of drop off recycling centers.</p>	Intermediate-Term 2028-2032

Goal/Objective	Plan of Action	Milestone Dates
	<p>C. Encourage local governments and school districts to adopt internal source reduction, reuse, and recycling, and recycled content procurement programs.</p> <p>D. Host education/awareness programs targeting proper methods of preparing recyclables, as well as encouraging consumers to "precycle" and "buy recycled".</p> <p>E. The amount of MSW diverted from disposal through source reduction, waste minimization, reuse and recycling programs in the Texoma region should be estimated on an annual basis and publicized.</p> <p>F. Consider facilitating cooperative contracting agreements between local governments to help collect & recycle a wider variety of materials.</p>	
Public Education Programs	Continue hosting quarterly educational webinars and workshops for residents and area businesses to improve waste management practices.	Short-Term 2022-2027
The Need for New or Expanded Facilities and Practices	While it is not anticipated the Region will see an increased need for solid waste management facilities, data will be revisited on an annual basis	Intermediate 2028-2032
Ensure adequate levels of transportation and disposal capacities throughout the region.	<p>A. Consider integrated waste management options, as well as the use of Type IV landfills, to ensure the availability of Type I disposal capacity.</p> <p>B. Promote integrated solid waste management practices that provide adequate and accessible collection and disposal options for rural and underserved areas.</p> <p>C. Facilitate local, regional, and state partnerships to address sites listed on the Closed and Abandoned Landfill Inventory (CLI).</p> <p>D. Establish voluntary pre-application review and public participation procedures through existing solid waste advisory committees.</p> <p>E. Establish clearly defined processes for how conformance recommendations will be made to the TCEQ.</p> <p>F. Encourage and support local governments in adopting "Don't Bag It" programs for lawn clippings.</p>	Long-Term 2033-2042

III.O. Identification of the Process that will be used to Evaluate Whether a Proposed Municipal Solid Waste Facility Application Will be in Conformance with the Regional Plan

The process that will be used to evaluate whether a proposed municipal solid waste facility application will be in conformance with the regional plan is identified in **Attachment III.O. (P.29)**

Section IV. Required Approvals

Table IV.I Required Approvals

Solid Waste Advisory Committee	7/27/2021
Public Meeting Dates	2/25/2021; 6/2/2021
Executive Committee	8/19/2021

Public notice, agenda, public comments, and the transcript of the required public meeting are included as **Attachment IV.B.**

Attachment II.A. Planning Periods

These four functional goals have served as the guiding principles for the Region since the original RSWMP was adopted in 1993. Upon review of stakeholder feedback and analysis results, these goals were deemed appropriate to continue functioning as guiding principles for the Region. Subgoals are listed in **Table 4.1** and have been assigned planning periods as follows:

- ❖ Current;
- ❖ Short-Term (1 to 5 years);
- ❖ Intermediate-Term (6 to 10 years); and,
- ❖ Long-Term (11 to 20 years).

Table 4.1. TCOG Region Solid Waste Management Goals

GOAL 1	Ensure adequate levels of transportation and disposal capabilities throughout the region.	Planning Period
Subgoal 1.1	Consider integrated waste management options, as well as the use of Type IV landfills, to ensure the availability of Type I disposal capacity.	Intermediate-Term 2028-2032
Subgoal 1.2	Promote integrated solid waste management practices that provide adequate and accessible collection and disposal options for rural and underserved areas.	Short-Term 2022-2027
Subgoal 1.3	Facilitate local, regional, and state partnerships to address sites listed on the Closed and Abandoned Landfill Inventory (CLI).	Long-Term 2033-2042
Subgoal 1.4	Establish voluntary pre-application review and public participation procedures through existing solid waste advisory committees.	Short-Term 2022-2027
Subgoal 1.5	Establish clearly defined processes for how conformance recommendations will be made to the TCEQ.	Intermediate-Term 2028-2032
Subgoal 1.6	Encourage and support local governments in adopting “Don’t Bag It” programs for lawn clippings.	Long-Term 2033-2042
Subgoal 1.7	Evaluate the need to adjust HHW collection schedules and collection methodologies. This includes evaluating the need for a centralized HHW collection facility within the region.	Long-Term 2033-2042
GOAL 2	Develop local programs in source reduction, waste minimization, reuse, recycling, and composting in order to conserve disposal capacity and resources.	Planning Period
Subgoal 2.1	Initiate a study to evaluate regional collection, transportation, processing, and marketing options.	Intermediate-Term 2028-2032
Subgoal 2.2	Provide technical assistance to local governments, businesses and institutions in identifying and implementing source reduction, waste minimization, reuse, and recycling strategies, including use of drop off recycling centers.	Short-Term 2022-2027
Subgoal 2.3	Encourage local governments and school districts to adopt internal source reduction, reuse, recycling, and recycled content procurement programs.	Short-Term 2022-2027
Subgoal 2.4	Host education/awareness programs targeting proper methods of preparing recyclables, as well as encouraging consumers to "precycle" and "buy recycled".	Short-Term 2022-2027
Subgoal 2.5	The amount of MSW diverted from disposal through source reduction, waste minimization, reuse and recycling programs in the Texoma region should be estimated on an annual basis and publicized.	Intermediate-Term 2028-2032
Subgoal 2.6	Consider facilitating cooperative contracting agreements between local governments to help collect & recycle a wider variety of materials.	Long-Term 2033-2042

GOAL 3	Develop programs to assist regional and local entities in controlling and stemming illegal and improper disposal practices.	
Subgoal 3.1	Coordinate education/awareness for citizens discouraging illegal dumping, open burning, and other improper disposal practices.	Short-Term 2022-2027
Subgoal 3.2	Coordinate education/awareness programs to inform residents about alternatives to hazardous home products.	Short-Term 2022-2027
Subgoal 3.3	Coordinate education/awareness programs to improve practices of small quantity generators.	Intermediate-Term 2028-2032
Subgoal 3.4	Assist local governments in developing plans for management of special waste.	Short-Term 2022-2027
Subgoal 3.5	Continue utilizing the regional "dumpstoppers" hotline and reward system and track costs of illegal dumping.	Short-Term 2022-2027
GOAL 4	Develop cost-effective, efficient, and environmentally suitable solid waste management systems throughout the region.	
Subgoal 4.1	Assess for and coordinate with areas in need of a locally tailored solid waste management with community specific goals.	Short-Term 2022-2027
Subgoal 4.2	NRAC should periodically report on the status of implementing their regional plans, through biennial reports to the TCEQ.	Short-Term 2022-2027
Subgoal 4.3	Establish priorities for use of solid waste grant funds, which, once approved, will form the basis for regional solid waste grant funding decisions.	Short-Term 2022-2027
Subgoal 4.4	TCOGs' solid waste grant funding decisions should be directly tied to implementation of the regional solid waste management plans.	Short-Term 2022-2027

Attachments

Attachment III.D. Adequacy of Existing Facilities and Practices

Explanation of no response to facility adequacy regarding Household Hazardous Waste Collection:

The TCOG Region does not contain a Household Hazardous Waste Collection Facility and utilizes other practices to collect HHW. The idea of establishing such a facility is regularly revisited by TCOG and the NRAC.

Explanation of no response to facility adequacy regarding Household Hazardous Waste Disposal:

The TCOG Region does not contain a Household Hazardous Waste Disposal Facility and utilizes other practices to dispose of HHW. The idea of establishing such a facility is regularly revisited by TCOG and the NRAC.

Attachment III.E. Assessment of Current Source Reduction and Waste Minimization Efforts, Including Sludge, and Efforts to Reuse or Recycle Waste

Current Efforts to Minimize, Reuse, and Recycle Waste

While there are opportunities to further minimize, reuse, and recycle waste, the TCOG Region faces several challenges unique to rural communities including: accessibility to drop-off recycling and hazardous waste sites, increased expense to ensure access to services, and increased likelihoods of illegal dumping. Means of mitigating these challenges are continuously explored through NRAC meetings and allocations through the Regional Solid Waste Grant Program from TCEQ.

As previously discussed, the NRAC oversees the implementation of the RSWMP within the TCOG Region. This includes operating the Region's MSW Program, which provides technical assistance and hazardous waste collection to city and county governments, school districts, and law enforcement in their efforts to combat illegal dumping, encourage and promote recycling, and ultimately reduce the total amount of waste introduced to local landfills. The NRAC reviews projects annually to evaluate how each proposed project or program would align and support achievement of RSWMP goals. Examples of past selected projects include; the School Recycling Program for Van Alstyne ISD, Grayson County Local Enforcement Cameras (to monitor illegal dumping), Scrap Tire Cleanup in Fannin County, and Community Recycling Events for the City of Sherman, City of Whitesboro, and others.

Several ideas have been introduced for consideration, including a new region-wide collection or disposal program for scrap tires, prescriptions, propane canisters, and the creation of a Paint & HHW Reuse Center, all of which could all be supported by the National Stewardship Action Council (NSAC).

Data related to recycling within the TCOG Region is limited. Available figures reported by MSW processing facilities indicate the Region had a 1.6% recycling rate. However, these data only capture figures reported by MSW processing facilities and are significantly limited. For this reason, it is recommended that rather than establishing a current recycling rate goal, the TCOG Region should prioritize improved and consistent recycling data collection to ultimately establish in the future a reasonable and data-based goal. If data are consistently reported and collected, this recycling rate goal may be amended to the plan per TCEQ approval.

Each year the NRAC also coordinates with Cooke, Fannin, and Grayson County representatives to organize one Household Hazardous Waste (HHW) Collection Event within each of the three counties. In 2021; the Cooke County event was scheduled for April 26; in Gainesville, TX; the Fannin County event was held in June in Bonham, TX; and the Grayson County event is scheduled for 2022. Events are staggered to allow another opportunity to those in nearby communities who were not able to participate earlier. As discussed in further detail in Chapter 2, this program has nearly doubled the total tons of HHW collected between 2015 and 2019.

Figure 3.2 provides several examples of HHW collection event communications, event set-up, and follow up communications used to promote future events.

Figure 3.2. HHW Collection Event Print Materials and Events



Source: TCOG Social Media, 2020

TCOG and members of the NRAC also periodically host workshops and webinars or publish educational videos on topics related to waste reduction, proper recycling methods, available resources within the TCOG Region, and HHW collection. These resources are shared on TCOG’s website and social media accounts and are also shared with local governments to further extend the reach of these resources.

The NRAC has also supported the implementation of an illegal dumping hotline and online submission form to report incidents of illegal dumping, which allow local authorities to respond accordingly. Not only do these reports allow incidents of illegal dumping to be addressed, but also highlight areas with higher incident rates, which may benefit from regular monitoring or even camera installation, like those installed in priority areas in Grayson County.

Assessment of Current Efforts

The TCOG Region has made significant progress since the adoption of the 2002 RSWMP. Actions taken over the past twenty years indicate the Region is responding accordingly to incoming data and community feedback. Additionally, ongoing efforts to further encourage reuse and recycling, reduction of waste, and addressing incidents of illegal dumping, indicate the Region has taken the necessary steps to advance plan goals in a sustainable way.

HHW collection events have not only seen increased participation, but based on community feedback regarding accessibility, each county’s HHW event has been staggered to allow more opportunities to participate should a resident be unable to attend the event in their own county. A map of businesses or entities who collect HHW outside of these events has also been made available through TCOG’s website for more regular collection of HHW.

Sustainable recycling programs have proven an ongoing challenge for the Region. Many communities are

forced to dispose of the entire contents of the recycling bin due to significant contamination and misuse of bins that often contain non-recyclable materials. Recycling facilities often cannot accept these contaminated deposits and the program becomes increasingly cost prohibitive. The NRAC recognizes these challenges and continues to explore solutions. One potential solution currently being explored includes dropping off high quality, clearly labeled recycling bins strategically located within communities to provide high visibility and accessibility. Similar programs have proven a valuable resource in many other rural communities.

Reuse and Recycling remain a high priority for the NRAC and opportunities to coordinate efforts across the region are revisited annually. In 2002, it was initially reported that only three communities (Gainesville, Sherman, and Whitesboro) offered recycling program. A more recent survey of communities indicated at least ten communities offered programs ranging from curbside pick-up to centralized drop-off locations, though it should be noted that not all communities within the Region responded.

Attachment III.H. Identification of Public and Private Management Agencies and Responsibilities

Overview of Materials Management in Texoma

Current solid waste management practices in the TCOG Region are not regulated by subregional management entities¹ and thus requires a mix of Federal, State, and Regional entities for policy and regulatory guidance. The TCOG Region is one of the smallest of the 24 planning regions in Texas, which has prevented the establishment of a subregional management entity due to a lack of capacity and resources to do so. State Law requires that each city and county in the state of Texas provide solid waste disposal or transportation services for their community members.

Table 2.4 provides an overview of the Federal, State, and Regional entities that provide policy and regulatory guidance to encourage safe and efficient solid waste management practices in the TCOG Region.

Table 2.4. Public Management Agencies and Regulatory Responsibilities

Agency	Regulatory Responsibility
<i>Federal</i>	
Environmental Protection Agency	Overarching development of regulations and enforcement protocols.
Federal Aviation Administration (FAA)	Oversees permitting related to restricted locations.
Federal Emergency Management Agency (FEMA)	Oversees permitting related to floodplains.
United States Army Corps of Engineers	Oversees permitting related to the Clean Water Act.
United States Fish and Wildlife	Oversees permitting related to endangered species.
<i>State</i>	
Texas Commission on Environmental Quality (TCEQ)	Recognized as the State Solid Waste Regulatory Agency which is responsible for solid waste management, air and water quality permitting, overall enforcement of regulations, plan and policy development and approval, and administration of available grant funding.
Texas Historical Commission	Oversees permitting related to sites of historical significance.
<i>Regional</i>	
Texoma Area Solid Waste Authority	Oversees the development of the regional solid waste and recycling facility.
Texoma Council of Governments (TCOG)	Oversees the development and implementation of the region’s Regional Solid Waste Management Plan and administration of regional solid waste grant programs.

¹ Subregional management entities refers to governing bodies within the TCOG Region

Waste Facilities Analysis and Trends

The Texoma Region does not currently have a materials recovery center (MRF) or material reuse facility though many residents use curbside recycling programs, which transport recyclable materials to other MRFs in the Dallas-Fort Worth area. The overview provided in **Table 2.5** indicates there are two landfill facilities currently operating including the Texoma Area Solid Waste Authority (TASWA) and Hillside Sanitary Landfill. Though Hillside Landfill was temporarily closed in 2019 due to delays in permit review, data reported by TCEQ in 2018 estimated the remaining lifespan of both facilities to be 68 years each. Additionally, the TCOG Region has three transfer stations, which serve a combination of four counties.

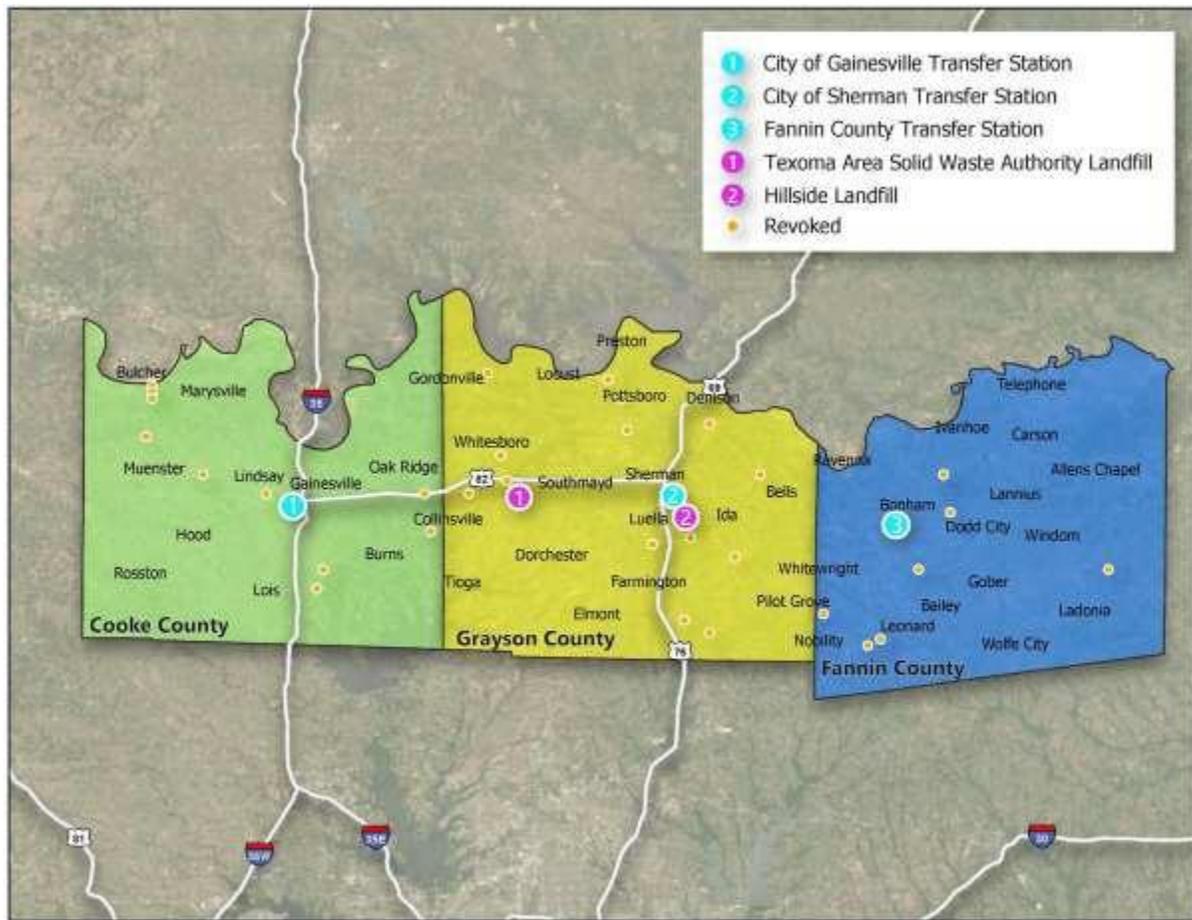
Table 2.5. Regional Waste Facilities

Facility	Address	Age	Counties Served	Rate per Ton	Total Tons Disposed
Disposal					
Texoma Area Solid Waste Authority (Landfill)	25090 State Hwy 56 Whitesboro, TX	Registered in 2003 (17 years)	Cooke, Grayson	\$35.00	225,125 Max Capacity: 9,981,787
Hillside Sanitary Landfill and Recycling Center	1100 Nelson Rd. Sherman, TX	Registered in 1977 (43 years)	Cooke, Grayson, Fannin	Not Reported	22,279* Max Capacity: 4,969,847*
Waste Transfer, Storage, Treatment, and Processing					
City of Gainesville Transfer Station (MSW)	601 N I- 35, Gainesville, TX	Registered in 1977 (43 years)	Cooke	\$52.81	30,476
Fannin County Transfer Station (MSW)	1700 FM 87, Bonham, TX	Registered in 2017 (3 years)	Collin, Fannin, Grayson, Hunt	Not Reported	21,142
City of Sherman Transfer Station (MSW)	811 S E Street P.O. Box 1106 Sherman, TX	Registered in 1978 (42 years)	Grayson	Not Reported	13,324

**The Hillside Landfill was temporarily shut down and the most recent data available are from 2018 TCEQ Municipal Solid Waste in Texas: A Year in Review, 2018 and 2019.*

These facilities are mapped in **Figure 2.6**, which also includes the locations of historic facilities with revoked licenses, or licenses that were not issued due to a halt in construction of a proposed facility, dating from 1975–2017. The City of Bonham Landfill was the most recent of these closures within the TCOG Region in 2017. The City elected to close the landfill to address a budget deficit. However, the Fannin County Transfer Station remains both in compliance and operational (Rich, 2017).

Figure 2.6. Map of Existing Landfills, MSW Facilities, and Revoked or Not Issued Licenses



Attachment III.O. Identification of the Process that will be Used to Evaluate Whether a Proposed Municipal Solid Waste Facility Application Will be in Conformance with the Regional Plan

Permit Application and Amendment Process

Beyond the direct actions of TCOG staff and the NRAC, there are additional procedural means that can support Plan implementation. In review, TCOG is responsible for solid waste management planning in the TCOG Region. The TCEQ has directed all state councils of governments to develop a process for review of municipal solid waste (MSW) facilities, solid waste permits and registration applications. As a part of this process, TCEQ has directed regional plans for each COG to identify those factors that will be used by applicants to evaluate whether their proposed MSW application will demonstrate compliance with the regional plan.

1. Circulate copies of the project description with copies of the Goals and Recommendations section of the Texoma Regional Solid Waste Management Plan to members of TCOG and NRAC.
2. TCOG staff will prepare recommendations from the NRAC's decision and circulate to the governing body prior to a scheduled meeting.
3. The Governing body decides if the proposed project does or does not conform with the Texoma Regional Solid Waste Management Plan.
4. Staff will notify the TCEQ or applicant, as appropriate, using the suggested format of the TCEQ.

Through these steps there is opportunity to assess alignment with MSW Plan goals. This ensures changes to policies or practices are more supportive of environmentally safe methods and support progress towards overarching plan goals.

Public Meeting Documentation

Public Meeting Documentation

(Attachment IV.B)

TCOG Board Resolution
Meeting Agenda (June 05, 2020)
Meeting Minutes (June 05, 2020)
Meeting Agenda (August 07, 2020)
Meeting Minutes (August 07, 2020)
Meeting Agenda (October 16, 2020)
Meeting Minutes (October 16, 2020)
Meeting Agenda (December 03, 2020)
Meeting Minutes (December 03, 2020)
Meeting Agenda (February 25, 2021)
Meeting Minutes (February 25, 2021)
Meeting Agenda (June 02, 2021)
TCOG Public Notices MSW Survey



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Whereas, TCOG has a renewable grant from the Texas Commission on Environmental Quality (TCEQ). Currently, this grant funds the Municipal Solid Waste program through TCOG's Regional Services department. One requirement of the grant is the production of a twenty-year regional solid waste management plan.

Whereas, the last plan was produced in 2002. With Board approval, TCOG contracted with Antero to write an updated plan for 2022-2042.

Whereas, a completed Solid Waste Management Plan 2022-2042 was submitted to and approved by the TCOG Governing Board on August 19, 2021.

Now, be it resolved that the Texoma Council of Governments approves the submission of the Solid Waste Management Plan 2022-2042 to TCEQ for review and approval.

Signed 01/24/22

A handwritten signature in blue ink, appearing to read 'J Whitmire', is written over a horizontal line.

The Honorable Jeff Whitmire

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Texoma Council of Governments | Eric M. Bridges, Executive Director | Honorable Jeff Whitmire, President, Governing Board



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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Agenda for
Friday, June 5, 2020 at 9 a.m.

To Be Held online via Zoom,
log in at 9am, at: www.zoom.us
Meeting ID: 889 7435 3396
Password: 804257

- | | | |
|----|---|----------------------------|
| 1. | Opening of the meeting and declaration of a quorum. | D. Satterwhite |
| 2. | Public comment. | |
| 3. | Introduce Jimmy Mrozinski, new Superintendent City of Sherman,
Vote to replace Michael Springer's vacant spot on NRAC. | All |
| 4. | Discuss Strategic Materials – Glass recycling, end use markets,
City of Sherman Recycling | C. Krantz
J. Mrozinski, |
| 5. | Discuss HHW Collection Event planning progress and HHW bids. | C. Krantz,
J. O'Steen |
| 6. | Discuss MSW Plan 2002-2022 with Update for 2022-2042 Timeline.
First TCEQ filing deadline for filing MSW Plan Timeline was April 30, 2020. | All |
| 7. | Setting of next meeting time & location | D. Satterwhite |
| 8. | Adjourn | |

Catherine Krantz

Persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services are requested to contact Catherine Krantz at (903) 813-2161, ext. 3565 two (2) working days prior to the meeting so that appropriate arrangements can be made. The above Agenda was posted at the Texoma Council of Governments offices in a place readily accessible to the public and made available to the County Clerks offices in Cooke, Fannin and Grayson Counties, Texas as prescribed by law.

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Texoma Council of Governments | Eric M. Bridges, Executive Director | Honorable Jason Brinkley, President, Governing Board



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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Minutes for
Friday, June 5, 2020 at 9 a.m.

Held online via Zoom,

Drew Satterwhite, calls meeting to order with a quorum at 9:05am in attendance are: Drew Satterwhite, Carrie Jones, John Osteen, Jimmy Mrozinski, Laura Blanton, Molly Guard and Catherine Krantz.

There was no public comment.

John Osteen makes a motion to vote in Jimmy Mrozinski to replace Michael Springer on the committee, Laura seconds, all agree, motions passes.

City of Sherman recycling program is discussed.

HHW event planning and vendors are discussed, recommendation to host an HHW event this year in October, setting strict weight/volume limits, and using the vendor from 2019, Green Planet. John Osteen makes a motion to accept Green Planet as the vendor and to begin work on an early October event date, Jimmy Mrozinski seconds the motion, all agree.

Regional Solid Waste Management Plan for 2022-2042 is discussed, vendors were compared, a University team versus a consulting firm. Committee agreed that a local firm with experience in the region was preferable to an out-of-region University team. John Osteen made a motion to move forward with the consulting firm and begin the planning and scope of work phase, Jimmy Mrozinski seconds the motion, all agreed, motion passes.

Next meeting was set for Friday August 7, 9am, via Zoom to accommodate HHW event planning timeline. HHW collection events require a 45-day in advance permit filing. To be discussed in that meeting will be HHW event planning and RSWMP scope of work. Plan timeline will be presented and committee members assigned to duties. Meeting adjourned at 9:57am.

Catherine Krantz

Persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services are requested to contact Catherine Krantz at (903) 813-2161, ext. 3565 two (2) working days prior to the meeting so that appropriate arrangements can be made. The above Agenda was posted at the Texoma Council of Governments offices in a place readily accessible to the public and made available to the County Clerks offices in Cooke, Fannin and Grayson Counties, Texas as prescribed by law.

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Texoma Council of Governments | Eric M. Bridges, Executive Director | Honorable Jason Brinkley, President, Governing Board

Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Agenda for
Friday, August 7, 2020 at 9 a.m.

To Be Held online via Zoom,
log in at 9am, at: www.zoom.us
Meeting ID: 854 0329 5703
Password: 985428

- | | | |
|----|---|--------------------------|
| 1. | Opening of the meeting and declaration of a quorum. | C. Krantz |
| 2. | Public comment. | |
| 3. | Discuss City of Sherman recycling, transition progress. | J. Mrozinski |
| 5. | Discuss HHW Collection Event planning progress. | ALL |
| 6. | Introduce Regional Solid Waste Management Plan 2022-2042
Project Manager– Antero Group. Discuss Work & Timeline. | C. Krantz,
M. Schmitz |
| 7. | Setting of next meeting time & location. | C.Krantz |
| 8. | Adjourn. | |



Catherine Krantz

Persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services are requested to contact Catherine Krantz at (903) 813-2161, ext. 3565 two (2) working days prior to the meeting so that appropriate arrangements can be made. The above Agenda was posted at the Texoma Council of Governments offices in a place readily accessible to the public and made available to the County Clerks offices in Cooke, Fannin and Grayson Counties, Texas as prescribed by law.

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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Minutes for
Friday, August 7, 2020 at 9 a.m.

Meeting held via Zoom, in attendance via online call in were: Tony Rodriguez, Polly Boone, John O'Steen, Jimmy Mrozinski, Douglas Olds attending for Carrie Jones, Catherine Krantz, Molly Guard, Eric Bridges, as well as Michael Schmitz and Allison Kappeyne of the Antero Group who presented. In absence of Chairman D. Satterwhite, C. Krantz opened meeting at 9:10am, and declared a quorum.

There was no Public comment.

J. Mrozinski discussed progress of City of Sherman transitioning to drop-off recycling only. He reported that they have been working on improving visibility to the drop off center with directional signs and said a good amount of people are coming and dropping off recycling, and the responses has been good. They are still hoping to be able to accept glass soon.

C. Krantz discussed planning progress for the October 2020 HHW Collection Event, notifying NRAC that a registration form is now available online for the "By Appointment Only" HHW Collection event. Over the month of August and September the event will be promoted along with an online HHW Disposal education campaign. There are no planning and organization needs unless anyone wants to volunteer to direct traffic at the event. We will need about 10 volunteers and have about 5 already.

C. Krantz introduced Michael Schmitz and Allison Kappeyne of the Antero Group, who will be coordinating our Regional Solid Waste Management Plan 2022-2042. M. Schmitz and A. Kappeyne gave a presentation to discuss the RSWM Scope of Work & Timeline and answered questions.

NRAC decided to set next meeting after the October HHW Collection event to be able to have a wrap up of the event. Next NRAC meeting scheduled for Friday October 16, 9am.

Meeting was adjourned at 10:08am.



Catherine Krantz - TCOG MSW Planner

Persons with disabilities who plan to attend this meeting and who may need auxiliary aids or services are requested to contact Catherine Krantz at (903) 813-2161, ext. 3565 two (2) working days prior to the meeting so that appropriate arrangements can be made. The above Agenda was posted at the Texoma Council of Governments offices in a place readily accessible to the public and made available to the County Clerks offices in Cooke, Fannin and Grayson Counties, Texas as prescribed by law.

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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Agenda for
Friday, October 16, 2020 at 9 a.m.

To Be Held online via Zoom,
Join Zoom Meeting at 9am
Contact Ckrantz@tcog.com for login

- | | | |
|----|--|----------------|
| 1. | Opening of the meeting and declaration of a quorum. | D. Satterwhite |
| 2. | Public comment. | |
| 3. | October HHW Collection Event Wrap-up & Results | ALL |
| 4. | Discuss Implementation Budget FY21, 2021 HHW Event | C.Krantz |
| 5. | Regional Solid Waste Management Plan 2022-2042, Progress Report
Discuss Work, Timeline, Progress. | M. Schmitz |
| 6. | Introduce Dick Demien of HHW Solutions, discuss door-to-door options. | D. Satterwhite |
| 7. | Setting of next meeting time & location. | D. Satterwhite |
| 8. | Adjourn. | |

Catherine Krantz

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Texoma Council of Governments | Eric M. Bridges, *Executive Director* | Honorable Jeff Whitmire, *President, Governing Board*

Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Minutes for
Friday, October 16, 2020 at 9 a.m.

In attendance were Drew Satterwhite, John Osteen, Carrie Jones, Catherine Krantz, with guests Michael Schmitz and Dick Demien.

At 9:10am D. Satterwhite opened the meeting without a quorum. As there was no motions to vote upon, the meeting was continued without a quorum. There was no Public comment. C. Krantz discussed the October 10, HHW Collection Event, saying it went off very smoothly and was very successful despite not being as widely attended as we had hoped. There were only 103 participants despite extensive regional advertising: 4 newspaper ads, 2 mentions on TV, 1.5 months of social media advertising campaign, 3 promotion booths at public events. We speculated that it may have been that the event was usually in April or that the by appointment only requirement decreased turnout. The people who did attend were very pleased with the by appointment only format, the line went very quickly and no one had to wait more than 5 minutes. The participants came from all across the region but the majority were from the City of Sherman, for this reason C.Krantz recommended hosting additional events in Cooke and Fannn county as it appeared people were not as likely to drive. C.Krantz mentioned that the cost of the event was under budget, which gave us additional funds for additional events. J.Osteen expressed being pleased that the vendor was staying within budget and providing a good service in the new format. C.Krantz shared that we have enough in our Implementation Budget FY21 to do 2 additional events in the same format and perhaps even one small special project. Possible special projects were disposal events for special items that have no disposal options in the area, such as propane tanks or medical waste. Other ideas were paint recycling programs. She recommended hosting one HHW Collection event in Cooke County and one in Fannin County in FY21 with the events spaced out to give residents multiple event options per year. They would both need to be completed before August 2021. Voting on when and where to host the next event was postponed until the next NRAC meeting. Next, M.Schmitz discussed progress on our Regional Solid Waste Management Plan 2022-2042. He mentioned where we are now, stakeholder surveys have been created and will go out the next week. We discussed that the RSWMP project timeline was shortened to accommodate the new TCEQ deadline of December 31, 2021, but that we are well underway and not anticipating any problems. Next, Dick Demien joined the call to discuss with us his company HHW Solutions, a company that offers door-to-door HHW Collections. They contract with cities to offer monthly HHW Pickup service. He shared a presentation on the value of regular HHW collection, how it would work – a fee attached to a city's water bill, with participation of an entire city required, and we asked questions. C.Jones offered the city perspective of what it would entail if a city were to consider the service, how raising service fees would be unpopular, it may require public meetings, perhaps an election, would need around an eight-month lead time. Discussed next meeting, decided to wait until we had new news to share before setting the next meeting date, possibly when we had surveys results to discuss or an HHW Collection event to vote on and schedule, most likely December 2020 / January 2021. Meeting was adjourned at 10:15am by D. Satterwhite.

-C.Krantz

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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Agenda for
Thursday, December 3, 2020 at 9 a.m.

To Be Held online via Zoom,
Join Zoom Meeting at 9am
Contact Ckrantz@tcog.com for login

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|----|--|----------------|
| 1. | Opening of the meeting and declaration of a quorum. | D. Satterwhite |
| 2. | Public comment. | |
| 3. | City of Gainesville Transfer Station Permit Amendment Application Review | ALL |
| 4. | Regional Solid Waste Management Plan 2022-2042, Progress Report
Discuss Work, Timeline, Progress. | M. Schmitz |
| 5. | Discuss Implementation Budget FY21, 2021 HHW Event(s),
HHW Special Projects, NSAC. | C.Krantz |
| 7. | Setting of next meeting time & location. | D. Satterwhite |
| 8. | Adjourn. | |



Catherine Krantz

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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Minutes for Thursday, December 3, 2020 at 9 a.m. Held online via Zoom.

In attendance were Drew Satterwhite, John O'Steen, Laura Blanton, Polly Boone, Tony Rodriguez Catherine Krantz, Michael Schmitz, Randal Bernthal.

At 9:08am, D. Satterwhite opened the meeting and declared a quorum.

Public comments were invited, there were no public comments.

C.Krantz gave a background overview of the City of Gainesville Transfer Station Permit Amendment Application process and the committee discussed it. The application documents were viewed as were the Regional Solid Waste Management Plan (RSWMP), Volume 1 and Volume II, for conformance with RSWMP regional goals. The committee determined that the Permit Amendment Application was in conformance with the RSWMP regional solid waste goals to adequately provide solid waste services to the region. L.Blanton made a motion to make a recommendation to the TCOG Governing Board that they approve the permit application. P.Boone seconded the motion, a vote was held, all agreed. C.Krantz will present the NRAC recommendation to the TCOG board at the next board meeting.

M.Schmitz of Antero Group gave a progress report on the efforts related to the RSWMP 2022-2042 development: A detailed outline has been developed for this plan and has begun to be populated with relevant content and data. Progress will be reviewed with C.Krantz. A comprehensive data review has also been initiated. C.Krantz will utilize the HHW mailing list to further extend the reach of the community and commercial surveys. The project team plans to further advance community engagement in a way that is adaptable and responsive to COVID guidelines and recommendations with several alternatives available. C.Krantz will create a banner for use at the next HHW event to further encourage survey participation. Meeting attendees will also share with their networks and take the survey themselves. No questions were posed.

C.Krantz discussed the changes to the Implementation Budget for FY21. Due to unexpected savings in categories affected by the COVID pandemic (a decrease in travel and training, and community outreach related expenses), additional funds will be available for COG Managed / Special Projects in 2021. Proposed use of funds were to add two additional HHW collection events in 2021 (one in Cooke County, one in Fannin County). Additionally, C.Krantz proposed the creation of new region-wide collection/disposal programs for: Scrap tires, Rx, Propane canisters, and the creation of a Paint & HHW Reuse center in the region. C.Krantz discussed the National Stewardship Action Council (NSAC), a national non-profit organization that promotes closed-loop, end use recycling initiatives, and helps communities create partnerships and programs with industry partners who want to be good stewards. She recommended hiring them for project related services, which would allow us to implement all of these new projects within our small budget. We discussed Rx disposal is a community need as opioid addiction is of great concern in the region and we do not have enough year-round collection options. (Only one police dept. in the region has year-round Rx collection). The program would be with an industry partnership with Inmar, a pharmacy service company who works with CVS, Walgreens, Albertsons. The plan is to have at least 1 year-round collection site per county. Also discussed was the possibility of an HHW and Paint Re-Use Center in partnership with Habitat for Humanity Re-Stores, and a Propane exchange program in partnership with UHaul. Committee agreed hiring NSAC was a good use of funds. C.Krantz will ask NSAC to get started on program development for Rx, Propane, Paint and the HHW ReUse Center, and NSAC will present a progress report at next meeting.

Tire disposal was identified as a need in the community. TASWA landfill is the only region-wide location for residents to take scrap tires, J.Osteen discussed their process for accepting tires, stating that they are getting over 200 a week from dumpsters and trash pickups in the region, and when possible

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charge \$4 per tire to cover disposal costs. C.Krantz relayed that she had reached out to region-wide city, county officials who shared that they do have need of assistance with their tire programs. Committee discussed options to allow for centralized collection and TCOG paying for disposal up to 1,000 tires for county. Committee agreed it was a good use of funds, C.Krantz will coordinate with County officials to get started with scrap tire collection before the end of the year.

We discussed the upcoming HHW events and decided to schedule Cooke County in April 2021, and Fannin County in June 2021, T.Rodriguez will assist in looking for a new location in Fannin county, as previous location had rock/gravel roads which made it hard for HHW vendor to load their pallets onto the truck, paved parking lots are preferred. Cooke County location was fine. C.Krantz will coordinate with the HHW vendor to set dates and start promoting.

Next meeting was set for February 2021, D.Satterwhite will send out a poll to determine best dates. Meeting was adjourned at 10:10. - Catherine Krantz

Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Agenda for
Thursday, February 25, 2021 at 9 a.m.

To Be Held online via Zoom,
Join Zoom Meeting at 9am
Contact Ckrantz@tcog.com for login

- | | | |
|----|--|----------------------------|
| 1. | Opening of the meeting and declaration of a quorum. | D. Satterwhite |
| 2. | Public comment. | |
| 3. | Regional Solid Waste Management Plan 2022-2042 Progress Report:
Discuss Work, Timeline, Progress. | M. Schmitz,
R. Bernthal |
| 4. | Discuss Implementation Budget FY21, 2021 HHW Event(s), | C.Krantz |
| 5. | Discuss City/County Programs for Special Item HHW Collection: Tires,
Batteries, Latex, Thermostats, NSAC. | C.Krantz |
| 6. | Discuss Gainesville HHW event planning. April 26, 2021. | C.Krantz |
| 7. | Setting of next meeting time & location. | D. Satterwhite |
| 8. | Adjourn. | |



Catherine Krantz

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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Minutes for
Thursday, February 25, 2021 at 9 a.m.

Held online via Zoom.

In attendance were: Laura Blanton, Drew Satterwhite, John O'Steen, Catherine Krantz, Molly Guard, and guests Michael Schmitz, Randal Bernthal, Heidi Sanborn, Jordan Wells.

At 9:07 a.m., D. Satterwhite opened the meeting without a quorum. There was no public comment. M. Schmitz and R. Bernthal of Antero Group presented a Progress Report on the Regional Solid Waste Management Plan 2022-2042, to Discuss Work, Timeline, Progress. C. Krantz discussed Implementation Budget FY21, why we had some extra funds leftover from 2020, what we were able to do with it: additional 2021 HHW events, Gainesville April 24, 2021, Bonham June 5, 2021. C. Krantz introduced NSAC Dir. Heidi Sanborn and Asst. Dir. Jordan Wells, and discussed the various City/County Programs for Special Item HHW Collection and manufacturer subsidized collection that they have proposed: Tires, Batteries, Latex, Mercury Thermostats. Coordinated Tire collection programs have been implemented in Fannin and Grayson County year-round: when they have enough tires to fill a tire trailer (approx. 600 tires) we will provide them with a trailer. We have enough funds for one trailer per county and possibly two trailers. Fannin County has already filled one trailer and can accommodate at least one more. Grayson County probably can fill two trailers. Cooke County will accept tires only at the April HHW event, so will only need one trailer. Battery (rechargeable and single-use battery) collection was considered, but we concluded that the manufacturer supported disposal programs were not any cheaper, easier than the community collections we already do at our HHW Collection events. Mercury Thermostats collection programs are being investigated and we are coordinating with HVAC contractors about mercury thermostats. H. Sanborn mentioned another program they were looking into was refillable gas cylinders. Single-use gas cylinders pose a fire risk to city trash trucks, and refillable gas cylinders are becoming more accessible and less hazardous. U-Haul is a company that has refillable propane tanks programs in other states, and may be willing to help with expenses. NSAC will follow up with U-Haul. C. Krantz said the program with the most potential so far seems to be Latex paint recycling, and paint collection events. In 2019, TCOG HHW events collected over 38,000 lbs. of latex paint at a disposal cost of around \$1 per pound (approx. \$38,000 dollars). NSAC put us in touch with a latex paint recycling facility in Ft. Worth that will take latex paint for .18 cents a pound. We determined that with the rental of a truck and volunteer labor we can collect, pack and transport up to 10,000 lbs. of Latex paint to Ft. Worth, for less than \$3,000. It is currently within the budget for the year to host paint collection events during the Texoma Earth Day Festival on April 17, 2021, the Gainesville HHW Collection event on April 24, 2021, and the Bonham HHW Collection event on June 5, 2021. C. Krantz and L. Blanton discussed planning for the upcoming April 24, 2021, Gainesville HHW event, all vendors are scheduled and permits will be filed once MOU is signed by Cooke County Fairgrounds for use of location. L. Blanton will coordinate with Cooke County Judge Starnes, and Cooke County Maintenance Dir. Ricky Kerr about a site visit Friday March 5, 2021. C. Krantz will coordinate with Cathy Lloyd at Cooke County and Cooke County Fairgrounds Association to confirm permission to use the location and get MOU signed. Volunteers are being sought to help direct traffic.

Discussed scheduling next meeting, C. Krantz mentioned we will need to meet again over the summer to decide which programs we will have and what our focus will be for the upcoming grant cycle: September 1, 2022 – August 31, 2023. D. Satterwhite will reach out to committee in May to schedule a June or early July NRAC meeting to be able to present our FY23/23 Grant recommendations to the TCOG board in August.

Meeting adjourned at 10:10.

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Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Agenda for
Wednesday, June 2, 2021 at 8 a.m.

To Be Held online via Zoom,
Join Zoom Meeting at 8am
Contact Ckrantz@tcog.com for login

- 1. Opening of the meeting and declaration of a quorum. D. Satterwhite
- 2. Public comment.
- 3. Public Workshop to review and discuss Regional Solid Waste Management Plan (RSWMP) 2022-2042. M. Schmitz
R. Bernthal
- 4. FY21 progress report (2021 HHW Events, Special Item Collection: Tires, Latex), FY20/21 grant year wrap up. C.Krantz
- 5. Discuss FY22/23 program recommendations. All
- 6. Update on Bonham HHW collection event: June 5, 2021. C.Krantz
- 7. Update on MSW Workshop for Cities, Counties Preparing for an HHW facility: June 22, 2021 C.Krantz
- 8. Setting of next meeting time & location. D. Satterwhite
- 9. Adjourn.

Filed for Record at 8:20 O'clock A M 05-26-21
By Tammy Biggar, County Clerk Angela Trajini Deputy

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Catherine Krantz

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Texoma Council of Governments | Eric M. Bridges, Executive Director | Honorable Jeff Whitmire, President, Governing Board

Texoma Council of Governments
Natural Resources Advisory Committee
Meeting Summary
Wednesday, June 2, 2021 at 8 am

1. The meeting started at 8 am, without a quorum.
2. There was no public comment.
3. Staff from Antero presented information on the new Regional Solid Waste Management Plan.
4. Catherine Krantz presented outcomes of this fiscal year's collection events, including special collection items. The next event will be HHW collection in Bonham on June 5th.
5. Calendar invitations will be sent out for the next NRAC meeting.

Public Notices

Texoma Council of Governments
October 27, 2020

TCOG needs your feedback for the 20-year Texoma Regional Solid Waste Management Plan (RSWMP) 2022-2042, a planning document that identifies regional challenges and opportunities in Solid Waste Management.

This plan is especially important given the fast growth our region is expected to see over the next 20 years.

Will you take 5 minutes to share your thoughts about MSW services in the region?

Any Texoma Resident can answer our Community Survey
https://www.surveymonkey.com/r/TCOG_RSWMP_COM

If you own a Business you can answer our Commercial Survey
https://www.surveymonkey.com/r/TCOG_RSWMP_C



MSW: Survey
Texoma Regional Solid Waste Management Plan (2022-2042)
Find out more.
Visit www.tcog.com/msw

TCOG **Antero Group** **Put waste in its place!**

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Texoma Council of Governments
November 17, 2020

TCOG needs your feedback for the 20-year Texoma Regional Solid Waste Management Plan (RSWMP) 2022-2042, a planning document that identifies regional challenges and opportunities in Solid Waste Management.

This plan is especially important given the fast growth our region is expected to see over the next 20 years.

Will you take 5 minutes to share your thoughts about MSW services in the region?

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If you own a Business you can answer our Commercial Survey
https://www.surveymonkey.com/r/TCOG_RSWMP_C



MSW: Survey
Texoma Regional Solid Waste Management Plan (2022-2042)
Find out more.
Visit www.tcog.com/msw

TCOG **Antero Group** **Put waste in its place!**

Business **Resident**




Texoma Council of Governments
November 25, 2020

TCOG needs your feedback for the 20-year Texoma Regional Solid Waste Management Plan (RSWMP) 2022-2042, a planning document that identifies regional challenges and opportunities in Solid Waste Management. This plan is especially important given the fast growth our region is expected to see over the next 20 years. Will you take 5 minutes to share your thoughts about MSW services in the region?

Any Texoma Resident can answer our Community Survey
https://www.surveymonkey.com/r/TCOG_RSWMP_COM

If you own a Business you can answer our Commercial Survey
https://www.surveymonkey.com/r/TCOG_RSWMP_C

We will also be hosting public meetings over the next 6 months to get community members and stakeholders' feedback. The Plan will be completed and available to the public by the end of 2021.



MSW: Survey
Texoma Regional Solid Waste Management Plan (2022-2042)
Find out more.
Visit www.tcog.com/msw

TCOG **Antero Group** **Put waste in its place!**

Business **Resident**