



**Central Arkansas Regional Solid Waste
Management District**

Needs Assessment

February 14, 2018

P. O. Box 300, 902 N. Center Street, Lonoke, AR 72086

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Definitions

Beneficial Fill means materials for use in filling low areas, improving drainage or stabilizing slopes or embankments. However, placement of beneficial types of fill material into a prepared hole may not be considered 'beneficial,' but may constitute unpermitted disposal. Projects that incorporate the use of beneficial fill material shall generally be completed within less than 60 days. Beneficial fill material includes asphalt, brick, concrete, ceramics, and uncontaminated soil or dirt. Additional materials may be considered by the Director on a case-by-case basis prior to initiation of fill activity.

Commercial solid waste means all types of solid waste generated by stores, offices, restaurants, warehouses, and other nonmanufacturing activities, excluding household and industrial waste.

Composting means the deliberate aerobic, biological decomposition of yard waste or other solid waste, resulting in a stable humus-like product.

Construction and Demolition (C&D) waste means any and all material and debris that might result from the construction or demolition of any building or other manmade structure including but not limited to single and multifamily dwellings, commercial buildings, road and highway construction and repair, remodeling and additions to existing structures and roofing. Materials may include (but are not limited to) dimensional lumber, roofing materials, bricks, concrete blocks, siding, gypsum (drywall), masonry, metal, cardboard, concrete with and without rebar, fill materials (including earth, gravel and stone), glass, and any other material that may be used in any construction project or may be salvaged from any demolition project.

Construction and Demolition Recycling Facility (C&DRF) means a facility that provides for the extraction from mixed construction and demolition waste of recoverable materials.

Disposal site or Disposal facility means any place at which solid waste is dumped, abandoned, or accepted or disposed of for final disposition by incineration, landfilling or any other method.

Hauler means a person engaged in the business of collection or transportation of solid waste for disposal, transfer or storage. A hauler does not include an individual person transporting non-commercial waste to a permitted facility.

Household waste means any solid waste (including garbage, trash, and sanitary waste in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas).

Illegal Dumping means depositing solid waste for disposal at a site which is not a permitted solid waste disposal facility.

Industrial solid waste means solid waste generated as a result of manufacturing or industrial processes that is not a hazardous waste regulated under Subtitle C of RCRA or as defined by Regulation Number 23, Sections 260.10 and 261.3, of the Pollution Control and Ecology Commission. Such waste may include, but is not limited to, waste resulting from the following manufacturing or industrial processes: Electric power generation; fertilizer/agricultural chemicals; food and related products/by-products; inorganic chemicals; iron and steel manufacturing; leather and leather products; nonferrous metals manufacturing/foundries; organic chemicals; plastics and resins manufacturing; pulp and paper industry; rubber and miscellaneous plastic products; stone, glass, clay, and concrete products; textile manufacturing; transportation equipment; and water treatment. This term does not include mining waste or oil and gas waste.

Landfill or landfill unit means a discrete area of land or an excavation that is permitted by the Department under these regulations and receives solid waste for disposal, and that is not a land application unit, surface impoundment, injection well or waste pile, as those terms are defined under 40 CFR 257.2.

Material Recycling Facility or MRF means a facility engaged solely in practices related to the management or diversion of source separated recoverable materials from the waste stream including storage, processing, marketing or reuse of recovered materials. Such term shall not include a solid waste recovery or handling facility provided; however, that any solid waste generated by such facility shall be subject to all applicable laws and regulations relating to such solid waste.

Medical waste means a waste from health care related facilities which if improperly treated, handled or disposed of may serve to transmit an infectious disease(s).

Municipal solid waste landfill unit means a discrete area of land or an excavation that receives household waste, and that is not a land application unit, surface impoundment, injection well, or waste pile, as those terms are defined under 40 CFR 257.2. A municipal solid waste landfill unit also may receive other types of RCRA subtitle D wastes, such as commercial solid waste, nonhazardous sludge, conditionally exempt small quantity generator waste and industrial solid waste. Such a landfill may be publicly or privately owned. A municipal solid waste landfill unit may be a new municipal solid waste landfill unit, an existing municipal solid waste landfill unit or a lateral expansion.

Municipality means a city of the first class or city of the second class or an incorporated town.

Open burning means the combustion of solid waste without:

1. Control of combustion air to maintain adequate temperature for efficient combustion,
2. Containment of the combustion reaction in an enclosed device to provide sufficient residence time and mixing for complete combustion, and
3. Control of the emission of the combustion products.

Operator means, for the purposes of this regulation, the person(s) responsible for the overall operation of a solid waste management facility or part of a facility. This definition shall not be construed to have the same meaning as a solid waste facility operator as defined and used in Regulation Number 27, Licensing of Operators of Solid Waste Management Facilities and Illegal Dumps Control Officers.

Owner means the person(s) who owns a solid waste management facility or part of a facility.

Recycling means the systematic collection, sorting, decontaminating, and returning of waste materials to commerce as commodities for use or exchange by separating or diverting an item or items from the solid waste stream for the purpose of processing it or causing it to be processed into a material product, including compost, in order to provide for the final disposition of the material product in a manner other than landfilling or incineration.

Solid waste means any garbage, or refuse, sludge from a wastewater treatment plant, water supply treatment plant, or air pollution control facility and other discarded material, including solid, liquid, semi-solid, or contained gaseous material resulting from industrial, commercial, mining, and agricultural operations, and from community activities, but does not include solid or dissolved materials in domestic sewage, or solid or dissolved materials in irrigation return flows or industrial discharges that are point sources subject to permit under 33 U.S.C. 1342, or source, special nuclear, or by-product material as defined by the Atomic Energy Act of 1954, as amended (68 Stat. 923).

Solid Waste Authority means a special unit of local government formed as a partnership to provide residents with integrated solid waste services.

Solid waste management plan means a plan developed according to the provisions of the Solid Waste Management Act, A.C.A. '8-6-201 et seq., and guidelines of the Department, and which is subject to approval by the Department.

Solid waste management system means the entire process of storage, collection, transportation, processing, treatment, and disposal of solid waste, and includes equipment, facilities and operations designed for solid waste management activities, including recycling, source reduction, and the enforcement of solid waste management laws and ordinances.

Solid waste recovery facility (WRF) means a solid waste handling facility that provides for the extraction from mixed solid waste of recoverable materials, materials suitable for use as a fuel or soil amendment, or any combination of such materials. Due to the similarity of functions, WRF operations are required to meet all permitting requirements for transfer stations, including obtaining a certificate of need from the Regional Solid Waste Management District.

Solid waste processing facility means a composting facility, transfer station, solid waste recovery facility or other facility that handles or processes solid waste.

Source separated recovered materials means the recovered materials that have been separated from the solid waste stream at the point of generation or at a solid waste materials recovery facility. The term does not require that various types of recovered materials be separated from each other and recognizes solid waste, per industry standards and practices, may be included in recovered materials.

Transfer station means any facility used to manage the removal, segregation, processing, and transfer of solid waste from collection vehicles and containers, and from other private and commercial vehicles to greater capacity transport vehicles.

Waste Diversion means any combination of waste prevention (source reduction), recycling, reuse and composting activities that reduces waste disposed at landfills or incinerators.

Yard waste means grass clippings, leaves, and shrubbery trimmings.

Element Number 1

“Plan Area Structure”

1. **Demographics** this item will help define the recipients of solid waste services and will determine the number of users located in the planning area.

1.1. **Map of District** Provide a map of the RSWMD. Include the entire jurisdictional area.

Attachment #1 – District Map

1.1.1. Site the Class 1 cities on this district map.

Attachment #2 -Class 1 Cities

1.1.2. Site the locations of permitted landfills, transfer stations, recycling facilities, and composting sites on this district map.

Attachment #3 - Permitted landfills, transfer stations, recycling facilities and composting sites

1.2. **Census Data** the University of Arkansas Institute for Economic Advancement (IEA) website has a link to the Census Data Center (<http://www.aiea.uarl.edu/csdc.html>). It includes all 2010 census data for the State. Please use this data to provide the following:

1.2.1. Current population of the jurisdictional area (*Current county census data is provided in this document under Element 3*);

Geographic Area	April 1, 2010 Census	Estimates Base	Population Estimates (as of July 1) 2010	2011
Lonoke County	68,356	68,354	68,658	69,341
Monroe County	8,149	8,149	8,121	8,075
Prairie County	8,715	8,715	8,713	8,618

1.2.2. Population change for the jurisdictional area from 1990 to 2010;

POPULATION AND PERCENT CHANGE; ARKANSAS BY COUNTY: 1990 to 2010					
				Percent	Percent
		CENSUS		Change	Change
County	1990	2000	2010	1990 to 2000	2000 to 2010
Monroe	11,333	10,254	8,149	-9.5	-20.5
Prairie	9,518	9,539	8,715	0.2	-8.6
Lonoke	39,268	52,828	68,356	34.5	29.4
TOTAL	60,119	72,621	85,220	25.2	.3

1.2.3. Estimated population change for the plan area from 2010 to 2020; and
 The estimated population change for the Central District is as follows

County	2010 to 2020 – Percent Change	Estimated Population
Monroe	-15%	8,134
Prairie	-4.2%	8,710
Lonoke	31.95%	90,196
TOTAL	12.75%	107,040

1.2.4. Current housing occupancy statistics for the jurisdictional area.

County	Total	Occupied	Vacant	Percent Occupied
Lonoke	27,239	25,295	1,944	92.9%
Monroe	4,455	3,481	974	78.1%
Prairie	4,503	3,685	818	81.8%
TOTAL	36,197	32,461	3,736	90%

Element Number 2 “Administrative Structure”

Guidance Document

The Administrative Structure of the RSWMD is essential to understanding how the District functions on a daily basis, how decisions are made by the Board and the staff, what other entities and/or individuals are involved in the decision-making process, and how the District is funded.

2.1 Board Composition

2.1.1 Elected Officials – Provide a list of the name and public entity represented by the current Board Members, the years of service on the Board, and any solid waste related certifications they may hold.

CENTRAL ARKANSAS REGIONAL SOLID WASTE MANAGEMENT DISTRICT BOARD OF DIRECTORS - 2013

AREA REPRESENTED	MEMBER NAME	ADDRESS	CITY, ZIP	PHONE/ FAX	Years of Service	Certifications
Lonoke County (Secretary)	Doug Erwin	200 N. Center	Lonoke, AR 72086	501-676-3011	8 yrs	
City of Cabot	Mayor Bill Cypert	P. O. Box 1113	Cabot, AR 72023	501-843-3566 501-605-0424	8 yrs	
City of Carlisle	Mayor Ray Glover,	P. O. Box 1113	Carlisle, AR 72024	870-552-3120 870-552-3677	16 yrs	
City of England	Mayor Danny Maynard	P. O. Box 249	England, AR 72046	501-842-3911 501-842-1936	16 yrs	
City of Lonoke	Mayor Wayne McGee	107 W. Second Street	Lonoke, AR 72086	501-676-6123 501-676-2500	8 yrs	
City of Ward (Treasurer)	Mayor Art Brooke	P. O. Box 237	Ward, AR 72176	501-843-2271 501-941-2313	8 yrs	
Monroe County (Vice-Chair)	Judge Larry Taylor	Monroe County Courthouse 123 Madison St.	Clarendon, AR 72029	870-747-3921 870-747-5910	8 yrs	
City of Brinkley	Mayor Billy Hankins	233 West Cedar P. O. Box 805	Brinkley, AR 72021	870-734-1382 870-734-9968	4 yrs	
City of Clarendon	Mayor James Stinson	270 Madison Street	Clarendon, AR 72029	870-747-5414 870-747-3903	8 yrs	
Prairie County (Chair)	Judge Mike Skarda	P. O. Box 278	Des Arc, AR 72040	870-256-3741 870-256-3310	8 yrs	
City of Des Arc	Mayor Jim Garth	P. O. Box 389	Des Arc, AR 72040	870-256-4316 870-256-4582	16 yrs	

2.1.2 Appointed Members – Provide a list of the name and public entity represented by current Board Members who are appointed by a mayor or county judge. List the years they have served, and whether or not a copy of their appointment papers and minutes of the meeting approving them by the city and/or county are in the District’s files.

There are none

- 2.1.3 Advisory Boards** – Provide a list of each advisory board, commission, or other entity, public or private, that provided information and/or input into the decision-making mechanism of the Board of Directors.

There are none

- 2.1.4 Board Meetings** - Provide the following information regarding the District's Board Meetings:

- 2.1.4.1** How often does the Board meet?

The CARSWMD Board typically meets every 4th Thursday of each month.

- 2.1.4.2** Where does the Board meet?

The meetings are held in the Tom Catlett Board Room at Central Arkansas Planning and Development District located at 902 N. Center Street, Lonoke, AR 72086

- 2.1.4.3** How is the public notified of the meetings?

The meetings are published in the local papers one week prior to the meeting.

- 2.1.4.4** Is an agenda provided to the public prior to the scheduled Board meetings?

No, the agendas are provided if requested by individuals, but the notification just list the time and place of the meetings.

- 2.2 Public Participation** - This section analyses the relationship between the Board and the public and what steps the District takes to bridge any gap in communication. Provide the following information regarding systematic input from the public:

- 2.2.1** Does the Board allow time during each meeting for public to address the Board?

Yes, all guests are welcomed, identified and allowed to speak if they wish.

- 2.2.2** Describe how the public is engaged in the decision-making process of the Board?

Public notices and/or public meetings are held according to our by-laws for items requiring such. (ie: Grant applications, Certificate of Need, changes in policies/procedures, etc)

- 2.2.3** What mechanisms are used by the District to involve the public, industrial sector and business sector, and to inform them of Board activities? Are formal mechanisms in place?

We do not have a formal mechanism in place for this.

- 2.2.4** Describe the Certificate of Need procedures for obtaining public input regarding a solid waste facility's request for a new permit or renewal of an existing permit.

CARSWMD requires a 60 day public review period. Public notice announcing project and date of public hearing is published for 2 consecutive weeks and at least 7 days prior to the public hearing.

2.3 District Administrative Staff - This section analyses the relationship between the Board and the staff that performs the required solid waste functions.

2.3.1 List all staff that is in the direct employment of the RSWMD.

We have four “Material Recovery laborers” and one “manager” for the recycling centers that are considered DIRECT employees. The Executive Director and Program Manager provide the required Administrative Duties for the Solid Waste District and are In-direct employees of the Solid Waste District.

2.3.2 Include the name, title, whether full or part-time, number of years, and any certifications held that relate to solid waste issues.

Name	Title	Part time/full time	Certifications	Date of Employment
R Carr	Material Recovery Laborer	Part time	None	2/2/2011
C Davis	Material Recovery Manager	Part time	None	9/6/2001
W Henderson	Material Recovery Laborer	Part time	None	12/12/2011
B. Nicholson	Material Recovery Laborer	Part time	None	11/14/2016
T Hager	Material Recovery Laborer	Part time	None	1/1/2011

2.4 Contractors, Consultants, Service Providers, and Volunteers - This section discusses the private consultants, service providers, and volunteers that provide information/services on a regular basis to the District Board and/or staff.

2.4.1 What administrative functions are ‘farmed-out’ or contracted to consultants?

There are none

2.4.2 What non-administrative functions are ‘farmed-out’ or contracted to consultants?

There are none

2.4.3 Does a formal contract exist between the District and the contractor for the purpose of providing services?

There are none

2.4.4 What is the length of term of the contract?

N/A

2.4.5 From the contractor, complete an inventory of staff that is involved in solid waste administration. Include the name, title, whether full or part-time, number of years in position, and any certifications held that relate to solid waste issues.

N/A

2.4.6 List volunteer programs currently in place. Identify how they function within the District.

We have volunteers who will assist with the education programs.

2.5 Solid Waste Authorities

2.5.1 If any, please list any solid waste authorities that operate within the RSWMD.

There are none

2.5.2 List their Board members and the city/county they represent. N/A

2.5.3 Discuss their function and how that relates to management of the District. N/A

2.5.4 Are there any authority members that serve on the District’s Board? N/A

2.5.4.1 If so, please list them and the public entity they represent. N/A

2.6 Administrative Procedures and Other Documents

2.6.1 Are the RSWMD’s current Rules, Regulations, and Procedures approved by the Board? Effective date?

Yes, December 8, 2011

2.6.2 Have they been filed with the Arkansas Secretary of State? How was the public involved in development of the District’s Rules, Regulations, and Procedures? Yes, Public notices were posted in the newspaper

2.6.3 Append a copy of the district’s approved Rules, Regulations, and Procedures. Include any amendments.

Attachment #4

2.7 Administrative Funding

RSWMDs fund their operations using a variety of methods as described in Arkansas statutes. Funding is also supplied to the Districts via the Solid Waste Management and Recycling Grants Program and the Waste Tire Program.

2.7.1 Provide the following information regarding how the district is funded and the percentages of that funding source when compared to the entire district budget. In the following manner, list the most recent annual funds received from ADEQ for administrative purposes:

a. Recycling Grants -	\$ <u>110,438.00</u>
b. Waste Tire Grants -	\$ _____
c. Other grants (identify Source) _____	\$ _____
d. Total administrative funds from Grants	\$ <u>27,609.00</u>
e. Sub Total	\$ <u>138,047.00</u>

Next, list all administrative fees levied and collected by the District.		
<u>Source</u>	<u>Most Recent Annual Dollar Amount</u>	<u>% of total</u>
ADEQ GRANTS (from d above)	\$ <u>138,047.00</u>	<u>49</u> %
Local Sources:		
Hauler Licensing	\$ <u>3,300.00</u>	
Taxes	\$ <u>0.00</u>	
Per Capita Fee	\$ <u>0.00</u>	
Assessment/Tipping	\$ <u>110,000</u>	
Collection Fee	\$ _____	
Other* <u>Sale of Materials</u>	\$ <u>35,000.00</u>	
Total Local Revenue	\$ <u>148,300.00</u>	<u>51</u> %
Total Annual Funds	\$ <u>286,347.00</u>	<u>100</u> %

2.8 RSWMD Budget

2.8.1 Provide a copy of the most recent annual budget for the RSWMD.

Attachment #5

2.8.2 Who approves the annual operating budget for the district?

Central Arkansas Regional Solid Waste Management District Board of Directors

2.9 Public Education and Support

2.9.1 Provide information on the programs and resources utilized by the district to provide education to the general public.

We utilize education components from Keep America Beautiful, Arkansas Environmental Academy, Arkansas Department of Environmental Quality and many other sources.

2.9.2 How is the public informed of the goals and objectives, as well as achievement of the goals?

The public is welcome to attend the Board Meetings which are advertised in the newspaper. These goals and objectives are also discussed in programs and workshops presented by the District.

2.9.3 How is the public informed of the services, available facilities, and programs of the District?

We have signs at each of the recycling centers. We place notices in the papers for special events. There is a link on the CAPDD website for Solid Waste programs and we are building our new website which has more information and is more interactive. We also use social media such as facebook and twitter. The local elected officials provide information if they are contacted. Contact information is also listed on the website.

2.9.4 How is the public involved in the planning and participation of events and programs supporting the district’s goals and objectives?

Typically any special event is hosted by a city or group and we partner with them and assist however we can. This allows them to take ownership in the project.

2.10 Programs for Elimination of Illegal Dumping and Open Burning

2.10.1 Explain the RSWMDs programs, enforcement efforts, and public education initiatives to eliminate open burning and burn barrels within the District.

We utilize education as a means to deter this practice. Any reported violations will be handled on a case by case situation by the Illegal Dump Control Officer.

2.5.5 Provide information on current illegal dump site locations and what programs the District has in place to eliminate these sites.

The illegal dump control officer investigates illegal dumps as they are reported. The table below reflects current list of illegal dumps in the Central District

County	Date of Complaint	Location	City	Status	Resolved
Lonoke	6/11/2015	Bird Dog Road	Ward	Unknown violator-no action	X
Lonoke	8/25/2015	4327 Hwy 15	Lonoke	No illegal disposal occurring	X
Lonoke	1/11/2016	5960 Kerr Station Road	Cabot	No illegal disposal occurring	X
Lonoke	1/29/2016	204 W. 9th St	Lonoke		X
Lonoke	2/9/2016	115 Dove Lane	Lonoke		x
Lonoke	3/10/2016	5984 Kerr Station Road	Cabot	No illegal disposal occurring	X
Lonoke	3/10/2016	408 W. Green Tree Road	Ward	No illegal disposal occurring	X
Lonoke	3/14/2016	669 Hwy. 13 South	Carlisle	Salvageable materials	x
Lonoke	3/23/2016	Hwy 5, North of Cabot	Cabot		X
Lonoke	8/24/2016	230 McFadden Road	Austin	clean up on-going	
Lonoke	8/29/2016	236 Hickory Lane	Cabot		x

Lonoke	1/9/2017	Intersection of W. Lingo & Bowen Rd	Lonoke	Pending	
Lonoke	3/22/2017	Intersection of Skinner Rd & Hobbit Road	Austin	No illegal disposal occurring	x
Lonoke	4/18/2017	Intersection of Byrd Lane & New Country Road	Cabot	Pending	
Lonoke	8/1/2017	63 Robert Young Road	Ward	Pending	
Lonoke	11/15/2017	556 LeMay Loop	Austin	Investigated-no enforcement	X
Lonoke	11/16/2017	781 Hwy. 13 S.	Carlisle	Salvageable materials	x
Lonoke	1/15/2018	Bayou Bridge on Fairview Road	Lonoke	Pending	
Monroe	3/1/2016	607 AR Hwy 17	Brinkley		X
Monroe	8/15/2017	Eden Road - old city dump	Brinkley		x
Prairie	5/30/2017	8560 Patton Road	Des Arc	Pending	

2.5.6 Provide the names of all licensed Illegal Dump Control Officers within the RSWMD.

The Illegal Dump Control Officer for the Central District is Rodney Larsen.

Element Number 3

“Waste Origin, Composition, and Characterization”

Guidance Document

Under this element, RSWMDs are asked to identify the quantities and makeup of waste generated within the District. Identifying the quantities and types of waste in the waste stream is an important step in planning for the waste management processes of waste reduction, recycling, re-use, waste to energy, and planning for adequate disposal capacity for the District.

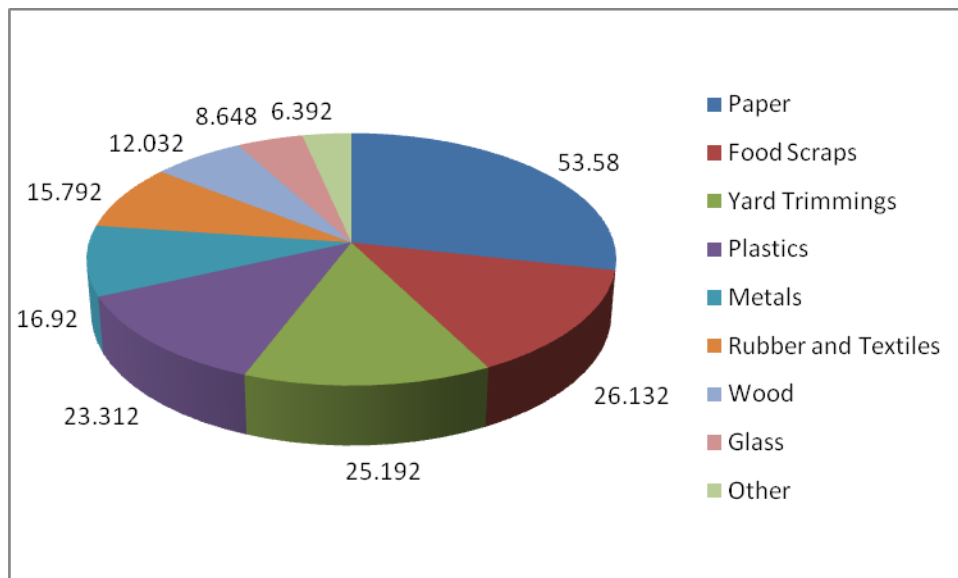
3 Waste Categories - Provide a spreadsheet or table categorizing solid waste as being generated by residential households and commercial entities, as well as waste generated by industries within the District.

3.1 Residential and Commercial Waste Estimation - can be estimated utilizing a per capita generation rate. The most recent information provided by EPA indicates that household and commercial waste (known as municipal solid waste or MSW) is produced at a rate of 4.43 pounds per person per day.

Geographic Area	April 1, 2010 Census Population	MSW Rate Per person (lbs) per day	MSW Rate Per person (tons) per day
Lonoke County	68,356	302,817.08	151
Monroe County	8,149	36,670.50	18
Prairie County	8,715	39,217.50	19
TOTAL	85,220		188

3.2 Municipal Solid Waste Makeup - can be computed by utilizing the percent of material commonly found in the waste stream and the populations for each county of the state. This information, found on the website for the U.S. Census Bureau, Population Division, is provided on following pages.

CARSWMD estimated amounts by tons



3.3 Industrial Waste Generation - Industrial Waste generation rates can differ significantly from one locale to another.

3.3.1 Each RSWMD should conduct a survey of the large industrial waste generators within their District. All estimations of industrial volumes should be based upon the results gained from individual surveys done by the District.

There are ten identified Industrial waste generators listed in the Central District. Surveys were sent and 5 responded.

3.3.2 Each District should develop a method to identify generators and provide a survey form for completion by the facility.

Staff researched area for Industries, contacted local officials and local Chamber of Commerces.

3.3.3 These generators might be identified based upon number of employees (such as more than 100 employees), estimated volume waste produce by the facility (such as more than 50 tons per year), or other factors determined by the RSWMD. The Arkansas Industrial Foundation publishes an annual directory of manufacturers. Provide the following for each Generator:

3.3.3.1 Generator Name and its location.

3.3.3.2 Types of waste generated

3.3.3.3 Latest annual volume of industrial waste (exclude waste considered commercial waste)

3.3.3.4 Latest annual types and volumes of materials recycled by the Generator

Name of Industry	Location	Contact Person	Contact Information	Phone
Riviana	Carlisle	Scott Wallace	swallace@ebron.com	870-552-7544
Bigham	Carlisle	Ben Parker	bparker@bighamag.com	870-552-7517
Remington Arms	Lonoke	Sammy Bates	Sammy.bates@remington.com	501-676-4185
MKT Fasteners	Lonoke	Sherry		501-676-4185
Riceland Foods	Lonoke	Neil Washburn	rhunter@riceland.com	870-673-5337
Riviana	Hazen	Tony Corter	tcorter@riviana.com	870-673-5337
Hendry Hardwoods, LLC	Des Arc	Van Hendry	vanhendryhardwoods@gmail.com	870-319-5405
Phillips Van Heusen Corp.	Brinkley	Ricky Heep	rickyheep@pvh.com	870-734-3700

District Summary of Industrial Survey Forms

The report period requested is for materials received January 1 to December 31, 2017

Type of Industrial Waste	Annual Est. Volume in Tons	Material Disposition Landfill, Recycled, etc.	In-State Disposal Location	Out of State Disposal Location	Hauler
MSW	1070	Landfill	Saline Co		Independen
Liquid Waste					
Sludge Waste	1200	Landfill	WCA - Hazen		
Medical Waste					
Other:Hazardous & Chemical Waste	360	Landfill		Heritage/Indiana	CT Hauling
	200	Landfill		Carlyss/Louisiana	CWM
	42	incineration		Heritage/Ohio	Heritage
	10	various		EQ Oklahoma/Tulsa	CIS Hauling
2882					

Provide a list of businesses surveyed.

Remington, Riviana, Riviana, Hendry Hardwood, Riceland

What is the approximate annual cost of current waste transportation and disposal at facilities in the District?

unknown

If any, please explain any predicted changes in types or quantities of industrial non-hazardous waste in the foreseeable future?

unknown

Do any industries in the District have a waste diversion or sustainability plan?

unknown

If yes, please explain, include a copy, or provide access, if possible.

List any suggestions for State Regulations that area business see as beneficial if implemented or changed in the future?

Element Number 4

“Waste Collection, Recycling, and Disposal”

Guidance Document

There should be an evaluation of the collection, recycling and disposal system in place within the District. This should demonstrate the level of services provided, type of services provided, and the associated costs of those services. The effectiveness and convenience of collection services for all residents should be evaluated, as well as providing information for RSWMD planning.

Additionally, this element will provide a very clear outline of the current infrastructure (facilities and transportation) status in various Districts throughout the State.

In order to have consistent information, all data provided should be from January 1-December 31, 2017.

- 4.1 Existing Solid Waste Management Facilities** -This item will provide a description and available handling capacity on all existing facilities used in management or disposal of solid waste within the District.
- 4.1.1 Landfills** - While landfills have historically been the primary depository of solid waste collected within the state, more and more RSWMD’s are looking for alternatives to land disposal.
 - 4.1.2** Each RSWMD should identify all facilities within the jurisdiction that is utilized for management of Solid Waste, including waste to energy facilities, C&D Recycling facilities, Recycling centers, as well as landfills.

Landfills within the Central District:
WCA – Rolling Meadows Landfill in Prairie County, Arkansas
Stuttgart Class IV Landfill located in Prairie County Arkansas
 - 4.1.3** A map locating each type of facility should be provided. (see Element 1.1.2)
See Attachment #3
 - 4.1.4** Each landfill should be listed and information on volumes received, source of waste (in District vs. out of District

District Summary of Landfill Survey Forms

List of Facilities	Remaining Airspace	
	Constructed	Permitted
WCA - Rolling Meadows	48.9	245
City of Stuttgart Class IV Landfill		190,500 cy

The report period requested is for materials received January 1 to December 31, 2011

Type of Material	Annual In-District Volume in Tons	Out-of-District Volume in Tons	Out-of-State Volume in Tons
Municipal Solid Waste (Res. & Comm.)	8005	5551	0
Industrial	0	0	0
C & D Waste	224.27		0
Special Waste	0	42105	0
Liquid Waste	0	0	0
Medical Waste	0	0	0
Other	0	324	0

Recovered Materials	Annual In-District Volume in Tons	Out-of-District Volume in Tons	Out-of-State Volume in Tons
Beneficial Use at Facility			
Recycled	40 yds		
Totals	40 yds		

4.1.5 remaining life/capacity, expansion plans, projected closure date.

Name of Facility	Remaining Airspace	Projected Closure Date
WCA – Rolling Meadows	6155680	None
City of Stuttgart	190,500 cy	6.2 years

4.1.6 Recognizing that landfill operators charge different customers different tipping fees based upon contract terms, volume, and special handling requirements, the “gate rate” for each material accepted should be provided.

Name of Facility	Gate Rate
WCA – Rolling Meadows	\$46.30 yd
City of Stuttgart	\$51.00 yd

4.2 **Transfer Stations** play a significant role in providing economical transport of collected waste to final disposition. Transfer stations also provide local disposal options for waste materials not collected by Collection Company.

4.2.1 Identify each transfer station and the services provided at the transfer station should be listed (such as types of material accepted for disposal, recycling, composting.).

District Summary of Transfer Station Survey Forms

List of Facilities:
Furlow, Austin, Mahoney, England, Allport, Carlisle (all in Lonoke County)

The report period requested is for materials received January 1 to December 31, 2011

Type of Material	Annual In-District Volume in Tons	Out-of-District Volume in Tons	Disposal Facility
MSW (Res. & Comm.)	5930	0	WCA - Hazen AR
Industrial			
C & D Waste			
Special Waste			
Liquid Waste			
Medical Waste			
Other			
Totals	5930	0	WCA - Hazen

4.2.2 A map should be provided depicting the location of all transfer stations within the RSWMD. (see 1.1.2)

See Attachment 3

4.2.3 For each transfer station, the facility that the collected material is sent to should be identified (such as landfill, material recovery facility, compost site).

All of Lonoke County Transfer Station waste goes to the WCA Landfill in Hazen. White Goods are taken to Tannenbaum in Little Rock, AR.

4.3 All other facilities utilized for management of collected waste should be identified.

4.3.1 The list of facilities might include Material Recovery Facilities (recycling centers), compost facilities, C&D recovery facilities or waste-to-energy facilities.

There is one MRF for the District to be operational in 2018. No data available at this time. Recycling Centers for Lonoke, Monroe and Prairie Counties are listed below.

4.4 For each facility, identify the amount and type of material handled, service area serviced, and service charge to customers utilizing facility.

4.4.1 Provide a listing of each existing facility, including the following information:

4.4.1.1 Name of Facility

4.4.1.2 Physical Address or description of Location of the Facility

4.4.1.3 Contact Information

4.4.1.4 Type of Facility (ie: Class I Landfill, Class 3 Landfill, Class 4 Landfill, Transfer Station, Recycling Facility, etc.)

4.4.1.5 Remaining Capacity of the disposal facilities, in years and cubic yards, using the most recent Annual Engineering Inspection Report. These reports are available on ADEQ's website.

http://www.adeg.state.ar.us/solwaste/branch_technical/permitted_facils/permit_list.asp

Name of Facility	Physical Location	Contact Information	Type of Facility	Capacity
Lonoke County Recycling Center	1219 Barns Street Lonoke, AR 72086	Leigh Ann Pool	Recycling Center	N/A
Monroe/Prairie Recycling Center	115 Pecan Street Hazen, AR 72064	Leigh Ann Pool	Recycling Center	N/A
City of Cabot Drop-off Center	203 E. Elm Street Cabot, AR 72023	Leigh Ann Pool	Recycling Center	N/A

District Summary of Material Recovery Facility Survey Forms

CARSWMD Recycling Centers

The report period requested is for materials received January 1 to December 31, 2011

Type of Material	Annual Tons	Annual Pounds	Annual Cubic Yards	Annual Gallons	Hauler Name
Batteries	0				
Electronic Waste	8.6				CARSWMD to ESCO
Glass	0				
HHW	0				
Metals	2.2				WCA to WM
Cardboard	259.2				Smurfit Kappa
Paper	11				WCA to WM
Plastics	5.5				WCA to WM
Textiles					
Rubber/Tires					
Wood Waste					
Yard Waste					
Oil					
Other: List Below					
Totals					

List of Facilities:

Lonoke County, Monroe/Prairie County, City of Cabot

4.5 Solid Waste Collection Systems - This item will provide a description and available capacity of the collection/transportation systems in place in the District.

4.5.1 Provide a table of the existing solid waste collection systems within the RSWMD.

Lonoke County	6 Transfer Stations
Lonoke County	2 Recycling Centers 23 Recycling collection containers throughout county/cities
Lonoke County	11 Trash Haulers, independent residential & commercial
Prairie county	2 Trash haulers, independent residential & commercial
Prairie County	1 Baling Center (Hazen) 34 Recycling collection containers throughout county/cities
Monroe County	2 Trash haulers, independent residential & commercial
Monroe County	18 Recycling collection containers throughout county/cities

4.6 Collection Service Providers - Identify the type of service provided, service area, frequency of collections, contractual arrangement (individual or exclusive contract), and method of revenue collection (from individual or contract with government entity).

4.6.1 Determine the cost of services for residential services (garbage, recycling, bulky waste, yard waste, and other services).

Haulers did not provide this information.

Recycling program (drop-off) is free to residents. Recycling program for City of Cabot, curbside is included in contract with waste hauler.

Transfer Stations in Lonoke County is free for Lonoke County residents.

4.6.2 Each collection company should provide the number of accounts (residential, commercial, and industrial).

Only one hauler out of eleven responded to the request.

District Summary of Hauler Survey Forms

District Name: Central Ark. RSWMD

* Only had 1 hauler to respond

The report period requested is for materials received January 1 to December 31, 2017

Type of Customer	# of Accounts	Annual Volume in Tons	# of Licensed Trucks	# of Routes	Type of Material
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Residential	4434				
Commercial	387				
Medical Waste					
C & D Material	68				
Recycling					
Industrial					
Other					
Totals	4889	4431	6	16	

Attach a list of Haulers and the Disposal Facilities they use with this completed form.

Include a highlighted District-wide street-level map showing the combined Haulers' Services Areas.

4.6.3 Include the volume of material delivered to end point facility (landfill, transfer station, recycling center, compost center, etc).

See above summary. Recycling information is in section 4.4.1

4.7 Waste Hauler/Transporter Information - Please Provide the following information for each Waste Hauler/Transporter:

See Attachment #6 for the following information

4.7.1 Name of Hauler/Transporter

4.7.2 Contact Information

4.7.3 Hauler Equipment List and Hauling Capacity.

4.7.4 Detailed map showing coverage area served by the hauler. (This map should provide coverage on a street level of detail.)

Surveys and maps were sent to each hauler – the results were inconclusive.

4.7.5 Type(s) of materials transported, including commercial and industrial wastes.

4.8 Import/Export Status - This item will provide information about the waste that is generated within the jurisdictional area of the District and shipped out for management or disposal. Additionally, this item will provide information about waste generated outside the jurisdictional area of the District and shipped into the District for management or disposal.

4.8.1 Provide a list of the types and estimated annual volume of waste generated within the jurisdictional area of the District and shipped out of the District and/or out of state for management or disposal.

4.8.2 Provide a list of the types and estimated annual volume of waste imported into the District for management or disposal.

Import /Export Status

Name	Type of Material	Annual In District Volume in Tons	Out of District Volume in Tons	Out-of-State Volume in Tons
Landfills	Municipal SW	8005	55551	
	C&D Waste	245.41	4,690.72	
	Special Waste		42105	
	Other		324	
Transfer Station	Municipal SW	5,930		
	Recycling		15	
Haulers	Residential	4,889		
	Commercial			
	Industrial	1,200	1,070	612
	C & D			
Recycling	all		27.3	259.2
TOTALS		20269.41	1037783.02	871.2

4.8.3 Provide a list of haulers that pick up Arkansas generated waste in District and transport it out of state for disposal.

We have no residential haulers who take waste out of state, Remington has 4 Hazardous Waste & Chemical Waste haulers that transport out of state.

“Executive Summary”

- E.1 The executive summary should provide an overall evaluation of the current state of solid waste within the RSWMD, thereby satisfying the requirements of A.C.A. § 8-6-716.

CARSWMD currently has adequate solid waste services; however the recycling desperately needs to be revamped and expanded.

- E.2 It should identify areas where planning is needed to address capacity issues within the district. It should evaluate the need for landfill capacity, as well as the need for recycling facilities, C&D recovery facilities, waste to energy facilities, compost facilities, as well as other opportunities to divert waste from landfills.

None of the evaluated landfills will be reaching their capacities in the near future. Giving our proximity to our two landfills and the landfills in Pulaski County works to our advantage.

A larger recycling facility has been purchased which will enable us to accept more varieties of recyclable materials. Funding is also an issue as we begin set up and collection. It may take a while to gain revenue from the sale of these materials.

C & D waste is accepted by both landfills in our District which do not have capacity issues as previously stated. Some of the private waste haulers also offer C & D waste service.

There are currently very little waste to energy facilities in the District, but efforts will be made to research the possibility of expanding these and locating new facilities before the next update.

There is currently only one permitted compost site (according to ADEQ) in our District. Efforts will be made to better identify current municipal and commercial sites before the next update. There are no know capacity issues at this time.

- E.3 It should give an overview of the transportation effectiveness within the district including adequacy of transfer stations in meeting strategic movement of waste to landfills within the district, as well as out of district/state disposal locations.

The Central District is a rural area with easy access to Interstate 40 and where waste disposal is readily available. We thrive on privately owned waste haulers even in Lonoke County where there are transfer stations available to country residents for free. The private owned businesses are not willing to share much of their information stating that they don't want their information public due to competition. Therefore; the transportation system is adequate as well as the Transfer Stations.

- E.4 The summary should also include any recommendations for regulatory and statutory changes needed for the safe and environmental protection of the state's natural resources.

No comment at this time.

- E.5 The adequacy of funding within the RSWMD should be discussed for future needs of the district.

The District will continue to search for additional funding to expand solid waste programs. Any consideration in funding additional funding for recycling or special collection is greatly appreciated.

Attachments

1. District Map
2. Class 1 Cities in District
3. Map of Landfills, transfer stations and recycling centers
4. Policy & Procedures
5. Budget
6. Haulers Information Worksheet