

2009 Updated
COMBINED
REGIONAL SOLID WASTE MANAGEMENT PLAN
REGIONAL NEEDS ASSESSMENT
ANNUAL WASTE TIRE SITE REPORT
AND
ANNUAL RECYCLING PROGRAM REPORT

FOR
SEBASTIAN COUNTY REGIONAL SOLID WASTE
MANAGEMENT DISTRICT

PREPARED
BY
Sebastian County Regional Solid Waste
Management District

FOR SUBMITTAL TO AND APPROVAL OF THE
ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY
SOLID WASTE MANAGEMENT DIVISION

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**SEBASTIAN COUNTY REGIONAL
SOLID WASTE MANAGEMENT DISTRICT
2009 Updated
SOLID WASTE MANAGEMENT PLAN**

CHAPTER ONE — ACTIVITIES ANALYSIS

Section 1.101 Overview

A. History

1. *Provide a history of the District relative to legislated or regulated solid waste management requirements.*

Sebastian County was originally a member county of the Western Arkansas Solid Waste Management District created in May of 1989 under the authority of Act 870 of 1989. Act 870 originally named the districts as “Regional Solid Waste Planning Boards”. Each Board was given specific powers and duties as provided in Act 870. Some of these duties included preparation of “regional solid waste needs assessments” and issuance of “Certificates of Need” to applicants for solid waste disposal facility permits within their jurisdictions. The first regional solid waste needs assessments were to be submitted by January 31, 1991. Certificates of Need were to be considered by the districts based upon the regional needs assessments.

Act 752 of 1991 renamed the solid waste planning districts created by Act 870 of 1989 as regional solid waste management districts. Each district was to be governed by a regional solid waste management board. Waste tires, composting, recycling, and hauler licensing responsibilities were included in the responsibilities added to the districts as a result of Act 752 of 1991. Act 752 not only expanded the powers and duties of the districts, but also allowed the boundaries of the districts to be modified. As a result, Sebastian County and its local governments, through inter local agreement, established the Sebastian County Regional Solid Waste Management District (herein referred to as the District) in January of 1992. However, Sebastian County was included in the 1992 Solid Waste Management Plan for the Western Arkansas Regional Solid Waste Management District, and continues to cooperate with local governments in western Arkansas.

The Sebastian County Regional Solid Waste Management District continually strives to comply with the rapidly changing solid waste regulations as they evolve in Arkansas. The recycling, tire, composting, and other programs described in detail in this solid waste management plan document the continued commitment to regulatory compliance that the District has maintained since its conception in 1992.

2. How were the District boundaries established?

In December, 1990, Hawkins-Weir Engineers, Inc., of Van Buren, Arkansas, published the Western Arkansas Regional Solid Waste Planning Board Needs Assessment Report for the Western Region of Arkansas. That document was an inventory of the solid waste management network in Crawford, Franklin, Logan, Polk, Scott and Sebastian Counties.

Since the publication of that document, the Western Arkansas Regional Solid Waste Planning Board was dissolved by Act 752 (1991) and replaced by the Western Arkansas Regional Solid Waste Management District. Polk County voluntarily elected to leave the Western District and joined the Upper Southwest Regional Solid Waste Management District in 1991. That same year, Sebastian County petitioned the Arkansas Department of Pollution Control and Ecology Commission and was granted permission to form the one county Sebastian County Regional Solid Waste Management District (SCRSWMD or District). The remaining counties, Crawford, Franklin, Logan and Scott, then became the Western Arkansas Regional Solid Waste Management District. In November 1997, the Western Arkansas and West Central Regional Solid Waste Management Districts merged to form the West River Valley Regional Solid Waste Management District, which includes Crawford, Franklin, Logan, Scott, Johnson, Yell, Pope, Perry and Conway Counties.

Although the Sebastian County Regional Solid Waste Management District is a one county entity, it continues to work with the communities in Western Arkansas on solid waste issues.

3. What has been the District's greatest accomplishment in terms of solid waste management?

The District's greatest accomplishment in terms of solid waste management is the proactive approach to integrated solid waste management systems. This proactive approach includes several significant accomplishments as follows:

- Successful administration of recycling/grant program
- Cooperation in an inter-district tire management program
- Development of an outstanding solid waste education program
- Successful licensing program for haulers
- Convenience centers located in small communities
- House hold hazardous waste collection provisions
- County-wide cleanup campaigns
- Open dump cleanups
- Establishment of an e-waste/MRF at facility located on former Fort Chaffee

B. Current

1. Describe the Board's planning process as it relates to legislated or regulated solid waste management requirements.

A \$100,000 planning grant from the ADEQ in 1991 made possible the funds to prepare a revised needs assessment and solid waste management plan for both the Western and Sebastian County Regional Solid Waste Management Districts. The District completed this Regional Solid Waste Management Plan and Modified Needs Assessment in August, 1992. That plan was accepted and approved by the ADEQ in March of 1993. The Needs Assessment and solid waste plan was updated in 1997, 2001, 2004, 2005, 2006, and 2007. These planning efforts have provided guidelines to assist the District's local governments in fulfilling the requirements of the applicable laws and to provide an adequate comprehensive solid waste management system.

2. What does the District want the Plan to do for the citizens of its area?

The District wants to assure citizens that they have an organized plan to handle solid waste in an environmentally sound manner. The District expects the Plan to provide a general "roadmap" to assure citizens that the District is maintaining a financially sound solid waste management system that incorporates the essential elements of recycling, collection, disposal, waste reduction, education, and special material provision to handle solid waste in an environmentally sound manner.

3. Give a descriptive snapshot of solid waste management in the District.

The District's existing solid waste management system is best described as a group of local jurisdictions working together cooperatively to provide their citizens with a financially sound, comprehensive solid waste management system. The District Plan provided the guidelines, and the District Board provided the leadership, to develop a collection and disposal program for all the waste generated within the boundaries of the local governments.

The District consists of a single county located in Western Arkansas. The largest City in the District's solid waste management system is Fort Smith. The City of Fort Smith provides a subtitle D landfill to handle the disposal needs of the District for at least the next 50 years. This facility also provides composting, recycling, and Class IV disposal capacity for the District. Curbside recycling programs are available in Fort Smith and Barling. Drop-off recycling programs currently exist in the towns of Lavaca, Greenwood, and Mansfield. Waste tire collection centers are available in Fort Smith and Lavaca. A public-private partnership with the Fort Smith Waste Paper Company and C S.I. provides a recycling materials recovery facility for the District. Household Hazardous Waste capability is also available at no charge to the public at the Fort Smith Landfill and the City of Lavaca.

Section 1.102 Organization and Administration

A. District

1. *Provide a chart that gives the organizational hierarchy of the District and/or its affiliates, agencies and/or peripheral organizations.*

The general organizational hierarchy of the District is summarized as follows:

**CITIES AND COUNTIES OF SEBASTIAN COUNTY REGIONAL SOLID WASTE
MANAGEMENT DISTRICT**

SOLID WASTE MANAGEMENT DISTRICT BOARD

SOLID WASTE DISTRICT DIRECTOR



2. *Describe the role the District plays in the development and implementation of effective solid waste management programs.*

The District is committed to the protection of the public health, environment, and quality of life in Sebastian County through continuous improvement of its integrated solid waste management system. The District Board of Directors strives to provide an integrated solid waste management system that accomplishes the following:

- 1) Promotes waste reduction and pollution prevention
- 2) Maximizes the diversion of wastes through reuse, recycling, and composting
- 3) Provides for the disposal of remaining wastes
- 4) Seeks environmentally safe and cost-effective solutions in all of its programs, services, and facilities
- 5) Provides extensive solid waste education in achieving the 100% participation in solid waste collection
- 6) Promotes communication through inter local government organization
- 7) Provides education to District schools, communities, and residents
- 8) Provides enforcement capability
- 9) Provides for the recycling of electronic waste

The District role in accomplishing this mission is to provide the necessary administrative and technical support to the individual jurisdictions in accomplishing their parts in the successful implementation of the mission. This process involves establishing goals and specific policies and procedures to implement the accomplishment of the goals.

3. *Append administrative procedures, regulations, ordinances or policies relative to the District.*

See APPENDIX A for the administrative procedures, regulations, ordinances and policies relative to the District.

B. Board

1. *Provide a list or an organizational chart of Regional Solid Waste Board Members of the following:*

- a. *Number of members on the Board.***
- b. *Identify of Chairperson.***
- c. *Name, title, address, phone and fax numbers, and e-mail address for each member.***
- d. *County or city represented.***

There are nine (9) members on the Board of Directors. Carl Davis of Fort Smith serves as the Chairperson. The name, title, address, phone and fax numbers, and e-mail address for each member, and the county or city represented, is as follows:

<p>Carl Davis Board Chairman Davis Iron & Metal P.O. Box 2796 Fort Smith, AR 72913-2796 (479) 783-8931 Fax: (479) 783-0097 carl@davisironmetal.com</p>	<p>Kevin Settle 10904 Cork Court Fort Smith, AR 72908 (479) 648-2872 kevinsettle6@aol.com</p>
<p>Ray Baker, Mayor P. O. Box 1908 Fort Smith, AR 72902 (479) 784-2437 (479) 784-2430 mayor@fsark.com</p>	<p>Chester Koprovic 2500 Ramsgate (08) Fort Smith, AR 72908 (479) 646-1310 (h) (479) 783-6962 (w) koprovic@aol.com</p>

<p>Glen Hurt, Mayor P.O. Box 476 Mansfield, AR 72944 Work: (479) 928-5552 Fax: (479) 928-4572 cityofmansfield@yahoo.com</p>	<p>Major Ronald Gibby US Army Garrison ATZR-ZF Fort Chaffee, AR 72905-5000 (479) 484-3165 ronald.gibby@ar.ngb.army.mil</p>
<p>Judge David Hudson Sebastian County Courthouse 35 South 6th Street, Room 106 Fort Smith, AR 72901 (479) 783-6139 (479) 784-1550 dhudson@co.sebastian.ar.us</p>	

2. Provide the schedule and the location(s) of the Board meetings? (i.e., monthly, every third Tuesday)

The Board meets the third Wednesday of February, May, August, and November. Also, the Board is subject to call for special meetings as circumstances dictate.

C. Staff

1. Provide a list or an organizational chart of Regional Solid Waste Staff Members showing the name and title for each person.

The contact for the District is as follows (as of March 1, 2010):

<p>Randy Hall, Director 4600 Towson Avenue, Suite 101 M1 Fort Smith, AR 72901 (479) 452-4104 Fax: (479) 452-4167 randymhall@yahoo.com</p>
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2. Provide phone and fax numbers and e-mail addresses for staff members who should be contacted for solid waste information for the District.

<p>Randy Hall, Director 4600 Towson Avenue, Suite 101 M1 Fort Smith, AR 72901 (479) 452-4104 Fax: (479) 452-4167</p>
--

randymhall@yahoo.com

Gary Lawrence, Environmental Officer
4600 Towson Avenue, Suite 101 M1
Fort Smith, AR 72901
(479) 452-4129
Fax: (479) 452-4167
gary@eccopartners.org

Darla Morgan, Comptroller
4600 Towson, Ave, Suite 101 M1
Fort Smith, AR 72901
(479) 452-4101
Fax: (479) 452-4167
darla@eccopartners.org

Section 1.103 Revenues and Expenditures

A. District

1. Describe the revenue sources that fund solid waste management activities within the District. Include the legal authority.

The District has not adopted a per capita fee as a funding mechanism for its operations and for future solid waste development within the District. The District established a waste assessment fee effective in April of 2007 (see APPENDIX A).

2. List all revenue sources and/or fees, such as user fees, waste disposal fees, licensing fees, grants, loans, rental income, earned interest and sales of recovered materials. Provide an estimation of total receipts from each revenue source from the previous year for the District. Estimate the percentage of annual revenue from each source.

REVENUE SOURCE 2009	ANNUAL RECEIPTS 2009	% ANNUAL REVENUE 2009
Hauler License Fees	\$24,566.00	4.7%
ADEQ Grants	\$11,700.00	2.2%
Waste Assessment Fee	\$456,014.51	86.9%
E-Scrap Fee/sales	\$5,681.14	1.1%
Rental Income	\$6,291.96	0.0%
Miscellaneous	\$0.00	0.38%
Cardboard Recycling	\$7,060.27	1.4%
Interest Income	\$2,054.40	.4%
Sale of Asset	\$11,500.00	2.1%
TOTAL	\$524,868.28	100 %

3. List the solid waste services that are supported by these revenues.

The revenues support the following:

- ◆ Community outreach and education
- ◆ Administration of rural community recycling collection and marketing program
- ◆ Operations of e-waste processing and marketing program
- ◆ Operations of recyclable materials recovery and marketing program
- ◆ Compliance assistance/Illegal dump Control
- ◆ Complaint investigation/Illegal burning Control
- ◆ Administration of commercial e-waste collection program
- ◆ Development and implementation of the District budget
- ◆ Administration of Household Hazardous Waste collection and marketing program

- ◆ Fee collection
- ◆ Administration of Waste Hauler Licensing Program
- ◆ Administration of Waste Tire Program
- ◆ Technical assistance and consulting to County and local governments
- ◆ Administration of bi-annual Countywide clean-up events
- ◆ Administration of annual Earth Day Festival (Earth Fest)
- ◆ Technical assistance and consulting to school districts
- ◆ Planning required of the Regional Solid Waste Management District
- ◆ Administration of the recycling grant program
- ◆ Payment of District staff's salary, benefits, and expenses
- ◆ Regulatory rulemaking
- ◆ Legislative lobbying

4. Provide a report, such as a financial statement or profit/loss statement, for the most recent fiscal year that identifies solid waste revenues and expenditures for the District. (This report should be an expansion of and be complementary to the annual audit report provided by outside independent auditors.)

Financial information is included in APPENDIX B.

B. County

List the solid waste services that are supported by County revenues.

User fees are utilized to provide solid waste collection and disposal to all County residents on a voluntary basis. The user fees are also utilized to provide collection and disposal services for two County wide clean-up events held in spring and fall. Additional County funds are utilized to provide clean-up of illegal dumping in rural areas and address citizen complaints of unsafe and unsanitary trash storage in rural areas of the County

C. City

List the solid waste services supported by Class 1 City revenues.

User fees are utilized to provide solid waste collection, disposal, and recycling capability within the only large (over 10,000 population) Class 1 city in the District (City of Fort Smith). The City of Fort Smith provides a fully integrated solid waste management system that embraces industrial and residential waste reduction, recycling, collection and disposal of solid waste. The Cities of Barling and Greenwood are the only other Class I Cities in Sebastian County (not classified large class I).

The City of Fort Smith operates the only Class I landfill in the District. This is a regional facility serving surrounding counties in Arkansas and Oklahoma. A yard waste compost

facility is permitted and operated at the Fort Smith Class I Landfill. A household hazardous waste collection center is also located at the Fort Smith landfill. A landfill gas collection project was also developed in cooperation with a private developer. It provides processed landfill gas directly to a gas transmission company. .

A public private partnership with Fort Smith Waste Paper Company to establish a recycling materials recovery facility is in place.

Section 1.104 Demographics

A. Planning Area

1. **Identify the District by its full name, and list the counties and municipalities that comprise the District.**

Sebastian County Regional Solid Waste Management District

COUNTY

MUNICIPALITIES

COUNTY	MUNICIPALITIES
Sebastian County	Barling, Bonanza, Central City, Fort Smith, Greenwood, Hackett, Hartford, Huntington, Lavaca, Mansfield, Midland

2. **Provide a map clearly showing the jurisdictional areas the District.**

A map depicting the jurisdictional areas of the District is presented as APPENDIX C.

3. **Include the area of any solid waste management authorities within the District.**

No separate solid waste management authorities exist within the District

B. Population

1. **List the most current population of the District (list by county; provide source of information and year).**

The population of Sebastian County as determined by the 2005 census estimate is 118,750. (Current populations were found at: <http://quickfacts.census.gov/qfd/states/05000.html>.)

2. **Describe how the population has changed over the last 10 years.**

The total population in the District (includes the County and all Cities) is estimated to have increased from 115,071 to 118,750 between April 1, 2000 to July 1, 2005. This is an increase of 3.2% over the 5 year period.

3. **Provide a population projection for the next 10 years.**

It is estimated that the projected population for Sebastian County for 2016 will be approximately 135,784.

4. Are there any significant demographic trends that may affect waste disposal or waste generation figures in the District?

The population projection indicates the District's population will continue a slow increase. Under that scenario, the District's waste disposal and waste generation figures will increase accordingly. The outlook for additional industry in the area is good, which also indicates an increase in the waste stream.

5. Are large groups of people moving into or out of the area for any special reason?

There are no particularly large groups of people moving into or out of the District.

C. Industry

1. Provide a business profile for the District.

Sector	Business Volume
Forestry, Fishing, Hunting and Agriculture Support	3,282
Mining	39
Utilities	15
Construction	228
Manufacturing	219
Wholesale Trade	223
Retail Trade	618
Transportation and Warehousing	107
Information	65
Finance and Insurance	213
Real Estate	139
Professional, Scientific, and Technical Management	267
Administration, Support, Waste Management and Remediation Services	32
Educational	136
Health Care	23
Art, Entertainment and Recreation	348
Accommodations and Food Service	35
Other Services	235
Unclassified Establishments	315
	23

2. Identify and discuss regional economic factors that are expected to affect future waste generation rates and quantities over the next 10 years.

Over the next 10 years the waste generation rates for the District as a whole are expected to gradually increase with the increase in population.

D. Haulers

1. Explain the process by which a person who engages in the business of hauling solid waste obtains a license from the Regional solid Waste Management Board.

All commercial solid waste haulers must be licensed by the District in accordance with Arkansas Code 8-6-721 and following standards established by the Arkansas Pollution Control and Ecology Commission. By definition of the Pollution Control and Ecology Commission, a hauler is considered a person engaged in the collection and/or transportation of solid waste for disposal or storage. A hauler does not include a person transporting their own household waste to a permitted facility. A person who regularly (more than 5 times a year) engages in the business of hauling solid waste must obtain a license from the District.

Approximately 156 solid waste haulers are currently licensed by the District annually. The licensing period is from January 1 through December 31. Each previously licensed hauler is sent a letter reminding them that it is time to renew their permit to haul solid waste on December 1 of each year. Letters are sent to haulers that were licensed the previous year only. New haulers must obtain the application forms directly from the District office. The letter includes an application form and instructions to send \$100.00 (or pro-rated amount) for one or two vehicles registered. A licensee with more than two vehicles must pay an additional fee of \$50.00 per vehicle registered, up to a maximum fee of \$1,000.00. All large vehicles require a certificate of liability insurance naming the Sebastian County Regional Solid Waste Management District as the certificate holder.

Each hauler responds by delivering the completed paperwork and fee to the District Office. Licensed haulers receive a copy of the hauler fee assessment, one sticker per vehicle, and a vehicle inspection form if necessary.

2. What means does the District use to oversee active licensees? Do regular inspections of the haulers for compliance take place? Are licenses revoked for non-compliance, such as hauling waste without a cover?

Solid waste haulers are required to renew their license on an annual basis as explained in D.1. This provides the District with the opportunity to review the compliance history of the hauler as related to solid waste hauling. The District relies upon a cooperative relationship with the City of Fort Smith Landfill operators and our Environmental Officer to insure that, as haulers enter the landfill, they are properly licensed and in compliance

with regulations related to the transport of solid waste. The annual license process provides the District with an opportunity to review any complaints that have been registered against any hauler. The District has the authority to decline the application for solid waste hauling if the District deems it necessary. The annual license process also provides the District with updated insurance and financial assurance documentation. The District also has the opportunity to inspect each vehicle annually at the time of license renewal to insure safety standards are met throughout the District.

3. *Include here (or append) a copy of the District's hauler's licensing policy and procedures as well as an updated listing of licensed haulers and service areas.*

A copy of the District's hauler's licensing policy and procedures is presented in APPENDIX D.

E. Volumes

1. *Provide a waste stream characterization with data concerning waste types and amounts generated and disposed within the district and/or waste transported out of district for disposal.*

It is acknowledged that annual waste volume projections are only approximations of what may happen in a planning area, no matter what method is used. Projected annual volume of solid waste generated within the District is summarized in three general areas utilizing per capita multipliers:

1. Residential Municipal Solid Waste (includes commercial, but not industrial waste): In 2003, U.S. residents, businesses, and institutions produced more than 236 million tons of MSW, which is approximately 4.5 pounds of waste per person per day or 0.821 tons per person per year. MSW-more commonly known as trash or garbage-consists of everyday items such as product packaging, grass clippings, furniture, clothing, bottles, food scrap, newspapers, and appliances. Not included are materials that also may be disposed of in landfills but are not generally considered MSW, such as construction and demolition debris, municipal wastewater treatment sludges, and non-hazardous industrial waste.

In the District, a total of **97,494** tons per year of MSW can be expected to be generated utilizing the 2005 US Census data and the 2003 EPA standard multipliers. More specifically, a total District population of 118,750 x 0.821 tons/person/year = **97,494 tons/year** of MSW generated within the District.

2. Commercial Waste is considered a portion of the Residential Municipal Solid Waste, and generally consists of waste from schools, some industrial sites where packaging is generated, and businesses. The above calculated amount of Residential MSW, therefore includes the Commercial waste. In general, Commercial waste constitutes 35% to 45% of the above residential MSW.

3. Industrial Waste is non-hazardous waste generated during the course of routine industrial or manufacturing operations. The *Guide for Industrial Waste Management* developed by the EPA office of Solid Waste in conjunction with the Association of State and Territorial Solid Waste Management Officials and environmental and industrial representatives estimates that there is a near 1:1 ratio between the generation of MSW and the generation of industrial solid waste nationally. Utilizing this broad assumption, the District could be expected to generate approximately **97,500** tons per year of industrial waste.

The source of the above information, including the multipliers and assumed percentages is taken from the *USEPA publication titled "Municipal Solid Waste in the United States: 2003 Facts and Figures"* or *"The Guide for Industrial Waste Management"*.

The following section discusses the actual amount of waste disposed within the District or transported out of the District based upon facility and District records. These amounts can be compared to the general characterization described above.

2. For the most recent calendar year, how many tons of solid waste were generated within the District and disposed in Class I Landfills or other solid waste management facilities located in or out of the District?

Solid waste volumes are based upon the waste receipt records for calendar year 2009 maintained at the City of Fort Smith Municipal Landfill (CFSMLF). CFSMLF is the only disposal facility in the District and accepts all industrial, commercial and residential solid waste generated in the District. Prior to 1993 records were kept manually but that year a software program was designed by the City's computer accounts receivable and billing company. It creates daily, monthly, quarterly and annual reports detailing the origin, classification (i.e. residential, commercial or industrial) and volume by cubic yard, and tons, of all solid waste that enters the facility. In January 2001, the City began using a scale-in/scale-out weighing system.

Origin	Commercial	Industrial	Residential	Total
Barling	74.1	928.4	1634.7	2637.2
Bloomer	3.3	3.6	16.6	23.5
Bonanza	3.7	29.2	56.2	89.1
Fort Smith	80044.1	55202.7	30445.0	165691.8
Fort Chaffee	4825.4	1618.9	.8	6445.1
Greenwood	1051.4	1177.3	4284.5	6513.2
Hackett	110.6	200.4	452.9	763.9
Hartford	30.3	56.1	334.2	420.6
Huntington	947.6	47.9	50.4	1045.9
Lavaca	94.2	216.4	1447.5	1758.1

Mansfield	210.1	341.3	1,349.3	1900.7
Midland	6.5	49.2	313.1	368.8
Jenny Lind	5.2	791.1	27.0	823.3
Milltown	1.1	10.1	1.1	12.3
Washburn	48.5	0	.8	49.3
Witcherville	31.4	12.0	12.1	55.5
Unincorporated Areas	4.4	43.8	17.5	65.7
Total	87491.9	60728.4	40443.7	188664.0

**Solid Waste Disposed at the Ft. Smith Landfill in Tons
from within Sebastian County - 2008**

Source: City of Fort Smith Yearly Waste Log for Year ending 12/31/2008. Does not include compost

3. Examine and discuss the trends regarding the sources of solid waste generated using the following categories:

- a. Residential
- b. Commercial
- c. Industrial

Residential Trend: The sources of Residential waste in the District will most likely remain constant or increase slightly in the future due to the mild population growth in the District.

Commercial: The sources of Commercial waste in the District will most likely remain constant or increase slightly in the future due to the mild population growth in the District.

Industrial: The District has experienced a growth in industry and the associated waste streams in the past 10 years. However, this trend is expected to level out. Therefore, the existing waste generated by industries within the District is expected to remain constant on the average.

4. To the best of your ability, what is the current disposal capacity of the facilities within the District's service area.

The only facility with disposal capacity is the City of Fort Smith Landfill. The total permitted capacity at the site is roughly 72,607,000 cubic yards. As of the most recent survey (March 4, 2009) approximately 6,201,695 cubic yards of void space has been consumed leaving approximately 66,405,305 cubic yards of permitted capacity remaining as of March 4, 2009. Based upon the growth projections, the remaining permitted capacity of the site is in excess of 40 years.

5. To the best of your ability, examine and discuss the trends regarding the types of solid waste generated using the following categories:

- a. Yard waste
- b. Construction/Demolition waste
- c. Tires

- d. Recyclables**
- e. White goods**
- f. Municipal solid waste**

Yard Waste: The District has been very proactive on provisions for yard waste collection and composting. The Fort Smith Landfill has a compost operation that uses a wood grinder, turner screen, wheeled loader and compost turner to manage and process yard waste. The cities of Lavaca, Greenwood, Barling, and Bonanza also have wood chippers to process yard and wood waste. Yard waste collection occurs weekly for the Fort Smith residents while residents of the County use the City of Fort Smith composting or the other wood chippers on an as needed basis.

Since the generation of yard waste is largely dependent upon the population of the plan area, the District trend in yard waste generation is expected to increase with the expected increase in population.

Construction/Demolition Waste: Construction and Demolition Waste is related to the industrial and residential development within a planning area. The residential and industrial base in Sebastian County is expected to grow over the next few years. Therefore, the expected generation of Construction/Demolition waste is expected to also increase over the next several years.

Tires: Waste tire generation rates are also directly related to the population trends in a planning area. Since the population trends in Sebastian County are generally increasing, the waste tire generation rates could be expected to also increase slightly.

Recyclables: The District expects to identify and recover more of the recyclable waste material in the future. The District expects an increase in the recycling rate with more emphasis placed on public education in rural areas along with the implementation and refining of existing systems in rural areas.

White goods: White goods generally consist of appliances such as refrigerators, clothing washers, and dryers. The generation rates of these wastes are also directly related to the population trends in a planning area. Since the population trends in Sebastian County are generally increasing, a mild increase of the white goods generation rate could be expected.

Municipal solid waste: As discussed previously, municipal solid waste generation nationally is estimated via average multipliers. Since the population of the District has slowly increased, future generation rates should stabilize or even increase over the next 10 years.

6. Has the waste stream increased or decreased over the last five years? Provide an explanation.

In 2000, the Fort Smith Landfill experienced its first decline in the amount of waste disposed in the landfill as compared to the previous year. Since that time, the waste stream at the Fort Smith Landfill has steadily increased. Some of the fluctuations experienced during the past 4 years are due to the transfer of waste out of the District

via privately owned transfer stations. This trend has reversed. Waste disposal rates at the Fort Smith Landfill are expected to continue to grow with the associated population and industrial increases over the next several years.

7. Project the waste stream for the next five years. Support your projections.

As the population increases the waste generation will increase accordingly. The following table shows the predicted waste generation rate for the next five (5) years based upon population trends.

	2005	2009	2010	2011	2012	2013
Total Population	118,750					
% Change Projected (Average)		1.80%	1.80%	1.80%	1.80%	1.80%
Projected Population		127,534	129,829	132,166	134,545	136,967
Waste Multiplier (tpy/person)		0.821	0.821	0.821	0.821	0.821
Projected Waste Generation (tpy)		104,705	106,590	108,508	110,461	112,450

F. Flow

1. Evaluate the environmental, economic, and any other factors that are affected by the acceptance of solid waste from beyond the boundaries of the District and the transfer of solid waste outside the District.

Two major activities occurred that have had far reaching consequences for the District. First, there has been major consolidation of solid waste collection haulers. Waste Management and USA Waste merged in 1997, and their subsequent purchase of a number of smaller haulers, led to the consolidation. This reduced the number of options for waste hauling in the District. The second was a reduction in the growth of waste entering the only landfill in the District owned and operated by the City of Fort Smith. Waste that historically came into the District from surrounding counties was diverted to landfills in Yell County, Arkansas, and Sallisaw, Oklahoma. The City of Fort Smith Landfill now accepts all waste from any county that borders Sebastian County.

The City of Fort Smith is looking at ways to preserve the waste stream, and accordingly, the revenue stream, in order to keep disposal costs reasonable. This included accepting waste from beyond the adjacent solid waste management districts. Since the formation of the Sebastian County Regional Solid Waste Management District, waste has been accepted from outside the District and from Oklahoma. As such, the environmental, economic and other relevant factors for accepting waste from outside the District have been evaluated in accordance with A.C.A. § 8-6-716 (3).

The importation/exportation of Municipal Solid Waste should only be done within the context of a comprehensive integrated municipal solid waste management plan. The plan should be a cooperative effort between all units of local government within the Solid Waste Management District.

Section 1.105 Current Services

A. Collection Services

1. Describe the role the District plays in the development and implementation of collection services.

The District role in the development and implementation of collection services is to provide education, administrative, planning, and financial resources to the member local jurisdictions. The District is served by a combination of private haulers and publicly owned and operated collection service providers. The cities of Fort Smith, Barling, Hartford, Greenwood, Hackett, Huntington, Lavaca, and Mansfield have passed legislation to bill and collect for solid waste collection and disposal. Rural Sebastian County and the remaining incorporated towns offer a voluntary subscriber service through an agreement between the Sebastian County Judge and the licensed hauler(s).

2. List all counties and/or municipalities in the District that have door-to-door/curbside collection service. Include populations.

Solid waste collection and disposal service is available to every resident and business in Sebastian County (population estimated 118,750). Since the service in rural areas is on a voluntary basis, some residents still do not participate.

The volume of solid waste generated in the outlying areas of the county is easily handled by small compactor trucks. The maximum one way hauling distance from any point in the county to the Fort Smith landfill is less than thirty miles. The need for transfer stations will be evaluated as demand justifies. However, the District will look into the possibility of small transfer or convenience centers throughout the District.

CITY	Solid Waste Collection Service
Barling	City owned/operated curbside
Bonanza	Private owned curbside
Central City	Private owned curbside
Fort Smith	City owned/operated curbside
Greenwood	Private owned curbside
Hackett	Private owned curbside
Hartford	Private owned curbside
Huntington	Mansfield provides Huntington
Lavaca	Private owned curbside
Mansfield	City owned/operated curbside
Midland	Private owned curbside
Unincorporated Sebastian County	Private owned curbside

3. Include the funding mechanism that provides the service (county tax, water bill, etc.) to the extent available or to the best of your ability.

The waste collection services in the District are funded as indicated below:

CITY	REVENUE SOURCES
Barling	User fees
Bonanza	User fees
Central City	User fees
Fort Smith	User fees
Greenwood	User fees
Hackett	User fees
Hartford	User fees
Huntington	User fees
Lavaca	User fees
Mansfield	Sales Tax
Midland	User fees
Unincorporated	User fees

4. What types of services do the counties or municipalities rely on for collection services?

The District is served by a combination of private haulers and publicly owned and operated collection service providers.

Curbside recycling programs are well established in Fort Smith and Barling. A District operated drop-off recycling program presently includes the towns of Greenwood, Lavaca, and Mansfield. The cities of Hartford and Hackett have paper/cardboard recycling drop-off containers located at the High Schools. All other communities and non-incorporated rural areas do not have any established recycling programs at this time.

Waste tire collection centers are available in Fort Smith and Lavaca. Since 1997, the City run landfill has expanded and improved the compost operation and the small on-site transfer station situated on City property. A permanent household hazardous waste collection center is located at the City of Fort Smith Landfill. Lavaca and Mansfield have established convenience centers for the collection of bulky wastes, white goods, and yard waste. Lavaca has established a household hazardous waste collection center.

5. Whose responsibility is it to arrange for collection in each county?

Each City and the County are responsible for arranging their own waste collection provisions. The arrangements and responsibilities for collection are discussed in detail in #1 above. In general, The District is served by a combination of private haulers and

publicly owned and operated collection service providers. Rural Sebastian County and the remaining incorporated towns offer a voluntary subscriber service.

6. *Is participation mandatory or voluntary?*

Participation in the established collection systems in Barling, Central City, Greenwood, Hackett, Hartford, Huntington, Lavaca and Mansfield is mandatory. Collection is voluntary in Bonanza, Fort Smith, Midland and unincorporated Sebastian County. Arrangements are made through contract agreement with private haulers in Midland, Bonanza, and in rural Sebastian County. In the City of Fort Smith, arrangements are made with the City's Sanitation Department or a franchise hauler.

7. *What is the percentage of the District's residents that do not participate in a collection service?*

Based upon the widespread availability of waste collection and the established funding mechanisms, the District estimates that less than 10% of the District residents do not participate in a collection service.

8. *List all counties and/or municipalities within the District that do not have access to some type of collection service or access to inadequate collection service. Include populations.*

As explained in 2.105 A.1., all municipalities within the District do have access to some type of collection service.

9. *Is there a system that works well within the District? Explain.*

The overall solid waste collection system described in this section is attributed with the success of the open dump elimination program and the availability of collection services. The reason that the collection systems work well is the funding mechanisms and the number of mandatory participation provisions as described previously. Additionally, the Sebastian County Judge and the Solid Waste District partner to provide spring and fall rural County wide cleanup events at 12 separate locations throughout Sebastian County at no cost to rural citizens and rural city governments.

10. *Describe progress and setbacks in collection service efforts within the District.*

Over the course of the last 10 years, the District has provided technical support for the establishment of a collection system that provides collection availability to almost all of the planning area. The establishment of funding mechanisms was instrumental in the implementation of this system, along with the arrangements for long term waste disposal.

11. *Provide an Evaluation of Solid Waste Collection Needs within the District.*

The primary need is for mandatory and more comprehensive collection services. Since the service in some locations is on a voluntary basis, some residents still do not participate. Although this is only an estimated 10% or less of the population, the District would like to see collection services universally utilized.

B. Disposal Services

1. Describe the role the District plays in the development and implementation of disposal services.

The disposal capacity for the District is the City of Fort Smith Landfill. The City of Fort Smith has been a long time provider of waste disposal capacity for Sebastian County. The City of Fort Smith purchased land from the Department of the Army at Fort Chaffee adjacent to the old municipal landfill on two occasions. The old landfill was closed and a new Subtitle D landfill began receiving waste in October 1993. The total permitted capacity at the site is roughly 72,607,000 cubic yards. As of the most recent survey (March 4, 2009) approximately 6,201,695 cubic yards of void space has been consumed leaving approximately 66,405,305 cubic yards of permitted capacity remaining as of March 4, 2009. Based upon the growth projections, the remaining permitted capacity of the site is in excess of 40 years.

2. Does the District own and/or operate and/or partner with others on any disposal facilities?

The District does not own and/or operate, and/or partner, with any other disposal facilities. The City of Fort Smith provides the disposal capacity for Sebastian County and the associated municipalities. The current desire of the District is for all waste generated within the District to be disposed of at the City of Fort Smith Landfill unless otherwise recycled or reclaimed.

3. What part does the District play in the disposal of wastes for its citizens?

The District has no part in the disposal of wastes for its citizens. The District has a goal of providing technical and administrative resources to all the jurisdictions within it's boundaries to strengthen their waste disposal programs.

4. What counties or municipalities own and/or operate and/or partner with others on any disposal facilities?

All of the waste generated within the District is currently going to the City of Fort Smith landfill, with the exception of the Cities of Lavaca and Bonanza. These two cities contract with private haulers which may dispose of the associated waste out of state.

5. *What part do the counties or municipalities play in the disposal of wastes for its citizens?*

All the cities and Sebastian County provide for collection and disposal of waste via either publicly owned/operated systems or private haulers.

6. *Describe progress and setbacks in disposal service efforts within the District.*

The separation of Sebastian County into its own Regional Solid Waste Management District is a major accomplishment toward regional management of solid waste flow and disposal. Sufficient waste must be maintained at the landfill in order to provide economical disposal costs for the citizens of the District. Therefore, the flow of waste into the landfill must be carefully monitored to maintain the proper economic balance.

As the County and City governments grow and develop the internal capacity to better manage their solid management systems, it is anticipated that the District will help to unify common elements within the programs in order to move toward progressive improvement.

7. *Provide an Evaluation of Solid Waste Disposal Needs within the District.*

Solid waste disposal needs within the District are adequately being met. Currently both residential and commercial solid waste pick-up and disposal is voluntary in some jurisdictions within the District. The County and all Cities in the District have the ability to dispose of solid waste in the Fort Smith Landfill. The District does not have formal policies or procedures that specifically address waste disposal arrangements within the District. The disposal arrangements utilizing the City of Fort Smith landfill adequately address the waste disposal needs of the District for at least 40 years.

C. *Recycling Services*

1. *Describe the role the District plays in the development and implementation of recycling services.*

The District role in the implementation of recycling programs includes education, administration, technical assistance, funding, and coordination. The District is in the process of improving recycling capability at Lavaca and Greenwood. The District continues to purchase recycling containers and collection /transport vehicles to assist with the District recycling capability. The District also is continuing to purchase vehicles and equipment to support the community recycling programs with a goal to implement a final recycling system where each community cooperates as a group instead of independent entities. In addition, the District has purchased a 13,500 square foot building on 4 acres on former Ft Chaffee property and is using it as a processing center for electronic and recyclable material.

The City of Fort Smith has a public/private partnership with Fort Smith Waste Paper Company to process and market recyclable materials. Fort Smith Waste Paper Company and the City jointly operate a Materials Recovery Facility which accepts commingled recyclables, sorts and prepares recyclables for market, and assists in marketing.

Weekly curbside collection of recyclables is offered to every residential household and most small business and institutions in Fort Smith. A public information system has been implemented for the City of Fort Smith to assist with their recycling effort.

2. Does the District (County or Municipality within) have a recycling coordinator?

The District Recycling Coordinator is the District Director, Randy Hall.

3. Provide a description of each recycling project within the District

The following is a partial list of recycling projects (active and completed) for the District (See also APPENDIX G):

<p>Grant Number: SEB02-00 Grant Recipient: Barling, City of Start Year: 2000 Category: Recycling Equipment Grant Amount: \$ 15000 Sched. Completion: 8/1/2001 Project Description: Purchase of recycling containers for commercial and industrial recycling in the City of Barling Project Status: Completed</p>
<p>Grant Number: SEB03-01 Grant Recipient: Barling, City of Start Year: 2001 Category: Recycling Equipment Grant Amount: \$ 7500 Sched. Completion: 9/30/2002 Project Description: Fund additional containers for the expansion of cardboard and curbside recycling in the City of Barling. Project Status: Completed</p>
<p>Grant Number: SEB06-99 Grant Recipient: Barling, City of Start Year: 1999 Revised Start Year: Category: Recycling Equipment Project Description: Establish a residential curbside recycling program for the City of Barling. Grant Amount: \$ 20000 Revised Amount: \$ 0 Sched. Completion: 4/1/2000 Revised Date: Project Status: Completed</p>

<p> Grant Number: SEB01-02 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2002 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: project is a permanent collection facility for collecting and proper disposal of HHW, utilizing reuse and maximum recycling of collected materials Grant Amount: \$ 36085 Revised Amount: \$ 0 Sched. Completion: 9/30/2003 Revised Date: Project Status: Active </p>
<p> Grant Number: SEB01-03 Grant Recipient: Fort Smith, city of Dist.?: No Start Year: 2003 Revised Start Year: Category: Material Recovery Facility Project Description: planning, design and development of MRF Grant Amount: \$ 20000 Revised Amount: \$ 0 Sched. Completion: 11/30/2006 Revised Date: Project Status: Active </p>
<p> Grant Number: SEB01-95 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1995 Revised Start Year: Category: Recycling Equipment Project Description: Purchase of equipment for the enhancement of the commercial recycling program for the City of Fort Smith. Grant Amount: \$ 50000 Revised Amount: \$ 0 Sched. Completion: Revised Date: Project Status: Active </p>
<p> Grant Number: SEB01-98 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1998 Revised Start Year: Category: Recycling Equipment Project Description: Recycling equipment to enhance curbside program. Grant Amount: \$ 60000 Revised Amount: \$ 0 Sched. Completion: 12/1/1999 Revised Date: Project Status: Completed </p>
<p> Grant Number: SEB02-01 </p>

<p>Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2001 Revised Start Year: Category: Recycling Equipment Project Description: To help fund the purchase of residential containers (32 gallon with lids), commercial and industrial containers (8 yard) for expansion of existing recycling programs Grant Amount: \$ 49843 Revised Amount: \$ 0 Sched. Completion: 9/30/2002 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB02-02 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2002 Revised Start Year: Category: Recycling Equipment Project Description: Recycling containers for use in on-going residential and commercial recycling program. Grant Amount: \$ 55000 Revised Amount: \$ 27688.92 Sched. Completion: 9/30/2003 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB02-03 Grant Recipient: Fort Smith, city of Dist.?: No Start Year: 2003 Revised Start Year: Category: Recycling Equipment Project Description: purchase of residential, office and commercial recycling containers Grant Amount: \$ 64575 Revised Amount: \$ 0 Sched. Completion: 9/30/2004 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB02-95 Grant Recipient: Barling, City of Start Year: 1995 Category: Composting Equipment Grant Amount: \$ 20000 Sched. Completion: Project Description: Brush chipper purchased for the City of Barling Project Status: Active</p>
<p>Grant Number: SEB03-96 Grant Recipient: Barling, City of Start Year: 1996 Revised Start Year: 1998 Category: Education Grant Amount: \$ 25000 Revised Amount: \$ 4000</p>

<p>Sched. Completion: 12/1/1997 Revised Date: 12/1/2000 Project Description: Educational materials for the district, serving Lavaca and Mansfield recycling programs. Project Status: Completed</p>
<p>Grant Number: SEB01-01 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2001 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: Project is a permanent collection facility for the continuation of the collection and proper disposal of HH hazardous wastes. Grant Amount: \$ 42050 Revised Amount: \$ 0 Sched. Completion: 9/30/2002 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB01-96 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1996 Revised Start Year: Category: Recycling Equipment Project Description: Purchase of Recycling containers for the City of Fort Smith. Grant Amount: \$ 62182 Revised Amount: \$ 0 Sched. Completion: 12/1/1998 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB01-97 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1997 Revised Start Year: Category: Education Project Description: Developing Education program for HHW in a city/county program. Grant Amount: \$ 50000 Revised Amount: \$ 0 Sched. Completion: 12/1/1999 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB02-94 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1994 Revised Start Year: Category: Composting Equipment Project Description: Purchase of wood chipper for the city of Fort Smith. Grant Amount: \$ 23000 Revised Amount: \$ 19296.85</p>

<p>Sched. Completion: Revised Date: Project Status: Active</p>
<p>Grant Number: SEB02-97 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1997 Revised Start Year: Category: Composting Equipment Project Description: Grinder for the City of Fort Smith and the composting program. Grant Amount: \$ 60000 Revised Amount: \$ 0 Sched. Completion: 12/1/1997 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB02-98 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1998 Revised Start Year: Category: Education Project Description: Education projects planned for the Summer of 1999. Grant Amount: \$ 30000 Revised Amount: \$ 0 Sched. Completion: 12/1/1999 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB02-99 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1999 Revised Start Year: Category: Education Project Description: Promotion, public awareness and education for existing city-wide recycling programs (residential, apartment and commercial) and in Fort Smith Schools (both public and private) Grant Amount: \$ 15000 Revised Amount: \$ 0 Sched. Completion: 12/1/2000 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB03-00 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2000 Revised Start Year: Category: Recycling Equipment Project Description: Purchase of residential and commercial recycling containers for existing residential curbside, apartment and commercial recycling programs. Grant Amount: \$ 24353 Revised Amount: \$ 0 Sched. Completion: 8/1/2001 Revised Date:</p>

<p>Project Status: Completed</p>
<p>Grant Number: SEB03-94 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1994 Revised Start Year: Category: Education Project Description: Educational programs and workshops for the City of Fort Smith. Grant Amount: \$ 25000 Revised Amount: \$ 28918 Sched. Completion: Revised Date: Project Status: Active</p>
<p>Grant Number: SEB03-98 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1998 Revised Start Year: Category: Education Project Description: Educational materials for the Permanent HHW facility. Grant Amount: \$ 25948 Revised Amount: \$ 0 Sched. Completion: 3/1/1999 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB04-99 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 1999 Revised Start Year: Category: Recycling Equipment Project Description: Purchase of additional residential and commercial recycling containers for expansion of existing residential curbside, apartment and commercial recycling programs. Grant Amount: \$ 21000 Revised Amount: \$ 0 Sched. Completion: 12/1/2000 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB05-00 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2000 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: Continuation of collection and proper disposal of household hazardous wastes, utilizing reuse and maximum recycling of the collected materials. Grant Amount: \$ 60000 Revised Amount: \$ 0 Sched. Completion: 8/1/2001 Revised Date: Project Status: Completed</p>

<p> Grant Number: SEB50-02 Grant Recipient: Fort Smith, City of Dist.?: No Start Year: 2002 Revised Start Year: 2002 Category: Education Project Description: Purchase of educational materials and services associated with City's anti-litter campaign, "Litter Free - The Way to Be." Grant Amount: \$ 0 Revised Amount: \$ 25000 Sched. Completion: Revised Date: Project Status: Active </p>
<p> Grant Number: SEB05-95 Grant Recipient: Greenwood, City of Dist.?: No Start Year: 1995 Revised Start Year: Category: Recycling Equipment Project Description: Equipment for curbside recycling program for City of Greenwood. Grant Amount: \$ 35000 Revised Amount: \$ 0 Sched. Completion: 5/1/1996 Revised Date: Project Status: Active </p>
<p> Grant Number: SEB04-02 Grant Recipient: Lavaca, City of Dist.?: No Start Year: 2002 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: construction of convenience center on Lavaca owned property for citizens to dispose of waste items not normally collected on regular sanitation routes Grant Amount: \$ 24000 Revised Amount: \$ 0 Sched. Completion: 2/28/2003 Revised Date: Project Status: Active </p>
<p> Grant Number: SEB05-03 Grant Recipient: Lavaca, City of Dist.?: No Start Year: 2003 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: placement of a household hazardous wastes collection facility at the new convenience center Grant Amount: \$ 12000 Revised Amount: \$ 0 Sched. Completion: Revised Date: </p>

<p>Project Status: Active</p>
<p>Grant Number: SEB52-02 Grant Recipient: Lavaca, City of Dist.?: No Start Year: 2002 Revised Start Year: Category: Recycling Equipment Project Description: Freon removal equipment and training for convenience center attendant. Grant Amount: \$ 0 Revised Amount: \$ 1155.54 Sched. Completion: Revised Date: Project Status: Active</p>
<p>Grant Number: SEB03-02 Grant Recipient: Mansfield, City of Dist.?: No Start Year: 2002 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: construction of a convenience center on Mansfield owned property for citizens to dispose of bulky waste items, collect appliances, metal and waste tires for recycling. Will house chipper and DOC. Grant Amount: \$ 24000 Revised Amount: \$ 0 Sched. Completion: 4/1/2003 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB04-01 Grant Recipient: Mansfield, City of Dist.?: No Start Year: 2001 Revised Start Year: Category: Composting Equipment Project Description: Purchase of a wood/brush chipper to utilize wood waste and yard waste. Wood chips to be used for landscape and mulching in the area. City of Hartford to share in use of chipper. Grant Amount: \$ 27000 Revised Amount: \$ 0 Sched. Completion: Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB04-03 Grant Recipient: Mansfield, City of Dist.?: No Start Year: 2003 Revised Start Year: Category: Transfer Station/ Recycling Center Project Description: the placement of a household hazardous wastes collection facility at the new convenience center Grant Amount: \$ 12000 Revised Amount: \$ 0</p>

<p>Sched. Completion: 2/1/2004 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB51-02 Grant Recipient: Mansfield, City of Dist.?: No Start Year: 2002 Revised Start Year: Category: Recycling Equipment Project Description: Freon removal equipment and training for convenience center attendant Grant Amount: \$ 0 Revised Amount: \$ 1155.54 Sched. Completion: Revised Date: Project Status: Active</p>
<p>Grant Number: SEB01-00 Grant Recipient: Sebastian County Dist.?: No Start Year: 2000 Revised Start Year: Category: Education Project Description: Provide education for existing and new drop-off recycling programs in Sebastian County. Project will provide education for recycling programs in county schools. Grant Amount: \$ 5000 Revised Amount: \$ 0 Sched. Completion: 8/1/2001 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB01-94 Grant Recipient: Sebastian County Dist.?: No Start Year: 1994 Revised Start Year: Category: Recycling Equipment Project Description: Purchase of equipment to enhance drop off recycling centers and add additional equipment. Grant Amount: \$ 35817 Revised Amount: \$ 0 Sched. Completion: Revised Date: Project Status: Active</p>
<p>Grant Number: SEB01-99 Grant Recipient: Sebastian County Dist.?: No Start Year: 1999 Revised Start Year: Category: Education Project Description: Provide education for existing and new rural drop-off recycling programs and education for recycling programs in County Schools. Grant Amount: \$ 10000 Revised Amount: \$ 4868.49 Sched. Completion: 8/1/2000</p>

<p>Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB04-94 Grant Recipient: Sebastian County Dist.?: No Start Year: 1994 Revised Start Year: Category: Market Development Project Description: The use of ORE for the purpose of being part of the cooperative marketing program. Grant Amount: \$ 2500 Revised Amount: \$ 0 Sched. Completion: 12/1/1996 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB04-95 Grant Recipient: Sebastian County Dist.?: No Start Year: 1995 Revised Start Year: 1998 Category: Recycling Equipment Project Description: Expansion of program for Sebastian County. Grant Amount: \$ 8449 Revised Amount: \$ 29449 Sched. Completion: 12/1/1996 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB05-96 Grant Recipient: Sebastian County Dist.?: No Start Year: 1996 Revised Start Year: Category: Education Project Description: Education materials for promotion of recycling in Sebastian County. Grant Amount: \$ 3000 Revised Amount: \$ 0 Sched. Completion: 12/1/1998 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB06-94 Grant Recipient: Sebastian County Dist.?: No Start Year: 1994 Revised Start Year: Category: Administrative Project Description: Administrative funds for the district later changed over to help purchase equipment. Grant Amount: \$ 25766 Revised Amount: \$ 0 Sched. Completion: Revised Date: Project Status: Active</p>

<p> Grant Number: SEB06-95 Grant Recipient: Sebastian County Dist.?: No Start Year: 1995 Revised Start Year: Category: Market Development Project Description: Market Development for the District. Grant Amount: \$ 2500 Revised Amount: \$ 0 Sched. Completion: Revised Date: Project Status: Completed </p>
<p> Grant Number: SEB50-99 Grant Recipient: Sebastian County Dist.?: No Start Year: 1999 Revised Start Year: 2001 Category: Recycling Equipment Project Description: Purchase 20-yard compartmentalized recycling dumpster Grant Amount: \$ 0 Revised Amount: \$ 5131.51 Sched. Completion: Revised Date: Project Status: Completed </p>
<p> Grant Number: SEB00-00 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 2000 Revised Start Year: Category: Administrative Project Description: Funding for administrative costs of the Sebastian County Regional Solid Waste District and a portion of the Environmental Coordinator's salary. Grant Amount: \$ 25766 Revised Amount: \$ 0 Sched. Completion: 8/1/2001 Project Status: Completed </p>
<p> Grant Number: SEB00-01 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 2001 Revised Start Year: Category: Administrative Project Description: Fund the administrative costs of the SCRSWMD Board and a portion of the Environmental Coordinator's salary. Grant Amount: \$ 25756 Revised Amount: \$ 0 Sched. Completion: 9/30/2002 Revised Date: Project Status: Completed </p>
<p> Grant Number: SEB00-02 Grant Recipient: Sebastian County RSWMD </p>

<p>Dist.?: Yes Start Year: 2002 Revised Start Year: Category: Administrative Project Description: expenses related to the management of solid waste, waste reduction and recycling in this single county solid waste district Grant Amount: \$ 25756 Revised Amount: \$ 0 Sched. Completion: 9/1/2003 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB00-03 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 2003 Revised Start Year: Category: Administrative Project Description: provide for the administrative duties of the recycling program Grant Amount: \$ 25756 Revised Amount: \$ 0 Sched. Completion: 9/15/2004 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB00-96 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 1996 Revised Start Year: Category: Administrative Project Description: Administrative funds for the District. Grant Amount: \$ 25766 Revised Amount: \$ 0 Sched. Completion: 12/1/1998 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB00-97 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 1997 Revised Start Year: Category: Administrative Project Description: Administrative funds for the District. Grant Amount: \$ 5948 Revised Amount: \$ 0 Sched. Completion: 12/1/1998 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB00-98 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 1998</p>

<p>Revised Start Year: Category: Administrative Project Description: Administrative funds for the District. Grant Amount: \$ 25766 Revised Amount: \$ 0 Sched. Completion: 12/1/1999 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB00-99 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 1999 Revised Start Year: Category: Administrative Project Description: SCRSWMD Board Administration and a portion of the Environmental Coordinator's salary will be funded by this grant. Grant Amount: \$ 25766 Revised Amount: \$ 0 Sched. Completion: 8/1/2000 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB03-99 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 1999 Revised Start Year: Category: Education Project Description: Promotion, education (through media and printed material) and monthly collection of Household Hazardous Wastes, utilizing Reuse and maximum Recycling of collected materials. Grant Amount: \$ 47372 Revised Amount: \$ 0 Sched. Completion: 12/1/2000 Revised Date: Project Status: Completed</p>
<p>Grant Number: SEB03-05 Grant Recipient: city of Barling Dist.?: No Start Year: 2006 Revised Start Year: Category: composting equipment Project Description: to replace vehicle used to tow wood chipper Grant Amount: \$ 28,000 Revised Amount: \$ 0 Sched. Completion: 12/31/2006 Revised Date: Project Status: Active</p>
<p>Grant Number: SEB09-05 Grant Recipient: City of Fort Smith Dist.?: No Start Year: 2006 Revised Start Year: Category: Recycling Equipment</p>

<p>Project Description: To purchase vehicle to implement curbside recycling Grant Amount: \$ 100,000 Revised Amount: \$ 0 Sched. Completion: 12/1/2006 Revised Date: Project Status: Active</p>
<p>Grant Number: SEBOO-05 Grant Recipient: Sebastian County RSWMD Dist.?: Yes Start Year: 2006 Revised Start Year: Category: Administration Project Description: To perform administration of solid waste management district Grant Amount: \$ 25,756 Revised Amount: \$ 0 Sched. Completion: 12/3/2006 Revised Date: Project Status: Active</p>

4. *Include recycling and marketing efforts on the part of local programs, their principal end-users, and successes and failures.*

Curbside recycling programs exist in Fort Smith, and Barling. A countywide drop-off recycling program presently includes the cities of Lavaca, Greenwood, and Mansfield. Successful school recycling programs have been established in Fort Smith, Greenwood, Hackett, and Hartford. All of the recycling activities in the District provide a convenient opportunity to recycle as defined in Regulation 28.

5. *A.C.A. §8-6-720 requires that at least one Recyclable Materials Collection Center be established in each county of a District unless the Arkansas Pollution Control and Ecology Commission grants the Board an exemption. List the facilities and their locations.*

Fort Smith Waste Paper Company and the City jointly operate a Materials Recovery Facility which accepts commingled recyclables, sorts and prepares recyclables for market, and assists in marketing. Weekly curbside collection of recyclables is offered to every residential household and most small business and institutions in Fort Smith. This facility also serves Sebastian County and the associated municipalities.

The District has an electronic waste processing/material recovery facility on 4 acres purchased from the Fort Chaffee Redevelopment Authority located at 7310 Terry Street, Barling Arkansas (72923).

Corrugated Services Inc. operates a recyclable materials collection center in Ft. Smith which accepts paper, cardboard, newspaper, PETE plastic, and commingled recyclable fiber materials and prepares recyclables for market and assists in marketing.

6. *List composting facilities in the District.*

The City of Fort Smith has a permitted compost operation that uses a wood grinder, turner screen, wheeled loader, and compost turner to manage and process wood and yard waste on a 3.2 acre concrete paved area. A small wood chipper purchased with recycling grant funds by the City of Fort Smith was donated to the City of Lavaca in 1997. In 1996, the Cities of Greenwood and Barling each purchased a wood chipper to process yard and wood waste. In 2004, the City of Bonanza purchased a wood chipper. At present, yard waste collection and diversion to the composting facility occurs weekly for Fort Smith residents, while residents of the County use the facility occasionally as needed.

7. Provide the volume and types of materials that were recycled in the District during the previous year.

See Appendix G - Annual Recycling Report Forms

8. Do counties and/or municipalities in the District cooperate on recycling and marketing efforts?

Counties and municipalities in the District currently do cooperate on recycling and marketing efforts. The District continues to purchase additional recycling containers and collection/transport vehicles to assist with the District recycling capability. The District is in the process of buying vehicles and equipment to support the community recycling programs with a goal to implement a final recycling system where each community cooperates as a group instead of independent entities. In addition, the District owns a 13,500 square foot building on 4 acres and is in the process of establishing a processing center for electronic waste. This facility will also provide material recovery services for cardboard, plastic, newspaper, and mixed white paper.

9. Describe progress and setbacks in recycling and marketing efforts by the District.

Progress in recycling efforts:

- The District has supported the City of Fort Smith by granting funding for the purchase of a recycling truck and curbside containers that allow for semi-automated curbside collection and sorting of recyclable materials.
- The District has supported the City of Barling by allowing for the purchase of a truck to be used for towing the chipper for curbside chipping of brush, limbs, and yard waste for delivery to the landfill. The truck will also be used for iron and metal collection for recycling.
- The District purchased a 13,500 square foot facility in anticipation of the Statewide ban on e-waste disposal.
- The District facility has been upgraded to accommodate e-waste and other recycling. These upgrades will facilitate larger volumes and greater varieties of recoverable materials.

- The District continues to purchase vehicles and equipment to support the community recycling programs with a goal to implement a final recycling system where each community cooperates as a group instead of independent entities.
- The District implemented full scale recycling at Greenwood, Ft. Smith, and Mansfield schools providing for collection of newspaper, white paper, and cardboard.
- The District has upgraded collection at Hartford and Hackett high schools for collection of mixed paper, white paper, and newspaper.
- The District established a collection program at the UofA Ft. Smith housing complex for the collection of aluminum and plastic.
- The District purchased horizontal and vertical bailers for processing collected recyclable materials for marketing.
- The District purchased six (6) 30 yard roll-off recycling containers, two (2) two yard compactor containers, a flatbed truck, a roll off truck, a pickup truck, and four (4) wire cage trailers for recycling applications.

Setbacks in recycling efforts:

- The Public Education Program for recycling at the schools has been slow in getting started, but has progressed significantly.

10. *Provide an Evaluation of Recycling Needs within the District.*

The District needs to increase the number of locations available for all County residents to recycle a minimum of at least three items. Educational efforts in recycling will continue to promote buy and sell recycle programs. The District needs to attract industry that makes products from recycled material generated in the District. The District is also interested in developing more public/private partnerships in the collection, processing, and marketing of recyclable materials. Additionally, the District needs to increase public outreach efforts to commercial and educational institutions and continue to implement a publicity campaign for education of the communities to recycle. These efforts need to utilize volunteer help in recycling related activities. Finally, the District needs to have an e-waste recycling program in place due to the statewide ban on e-waste disposal. The District needs to continue to work with the local school systems to implement effective recycling programs. In addition, the District needs to reduce the amount of cardboard going into the landfill via working with local industry.

11. *Complete and append the annual reporting forms specific to the District's Recycling Program. (Recycling Program reporting forms shall be supplied separately from the Recycling Branch of the Arkansas Department of Environmental Quality, Solid Waste Management Division).*

The District Annual Recycling Reporting Form is included in APPENDIX G.

D. Waste Reduction Services

1. Describe the role the District plays in the development and implementation of waste reduction services.

The District does not have a formal waste reduction program. However, the District does take every educational related opportunity to promote waste reduction. The District desires to work with local governments, schools, business, and industry by providing waste audits and separation of their waste stream. The District also promotes reuse and buying recycled programs.

2. List the waste reduction programs within the District to the extent that information is available or to the best of your ability.

The District does not have any formal District sponsored waste reduction programs. However the following communities do have waste reduction programs:

Mansfield Convenience Center - Mansfield

Lavaca ABC Center - Lavaca

HHW Facility - Fort Smith

The District electronic waste/material recovery facility near Barling.

3. Provide an evaluation of waste reduction needs within the District.

The District does not have a formal waste reduction program. There is a need to continue to stress waste reduction programs.

E. Special Materials Services

1. Illegal Disposal Services

a. Illegal Dumping Services

i. Describe the role the District plays in the development and implementation of illegal dump control services.

The District (identified as Arkansas State Agency 186 by the State of Arkansas Legislature) has passed it's own illegal dumping regulations. In the District's Regulations; Chapter F: Subchapter 13 identifies prohibited acts, enforcement options, and penalties for illegal dumping that are enforceable by the District.

The District has developed a three (3) phase open dump closure program as follows:

Phase I: Identification and Documentation of Open Dumps First, through a cooperative effort with the District and the local government agencies, the county and state road maintenance personnel will note and report the locations of any open dumps

they encounter as they travel throughout the District. Second, the District seeks the cooperation of the planning and development district staff to document and report all open dump sites to the District as they perform 911 tasks or rural road inventories throughout the County. Third, the District periodically contracts with the Civil Air Patrol to make an aerial reconnaissance of the County to photograph, determine the location in longitude and latitude, and plot on county highway maps, the suspected illegal dumps. The first such survey was conducted in March of 1993.

Phase II: Identification of Property Owners and Classification of Illegal Open Dumps County property owner's maps and aerial photography from the County tax assessor's office will be used to determine the approximate size and the property of each dump location. When the identification process is complete, an open dump closure task force will be appointed to evaluate and classify the characteristics of each open dump site. The task force will include persons representing the public and private sector with experience in fire prevention, environmental or public health, solid waste management, or civil engineering.

The following guidelines will be used to prioritize the closure of illegal open dumps:

- The highest priority will be given to dumps that pose the greatest danger to public health.
- The median priority will be assigned to illegal dump sites that could adversely affect the environment.
- The lowest priority will be all other open dumps that do not pose a potential danger to either public health or the environment

Phase III: Closure Plans and the Implementation of Closure of Illegal Open Dumps The closure of illegal open dumps began in 1995 and proceeded by closing dumps of the highest priority as described above. Closure is accomplished by:

- Removal of the debris at small dumps for transport and disposal at the City of Fort Smith Landfill.
- Large dumps will be closed by in place with the appropriate city, County, or private resources.

ii. Provide a list or map of approximate locations of the illegal dump sites known to be located within the District.

There are not any open dumps currently inventoried within the District, with the exception of a strip pit approximately 2 miles west of Huntington on Highway 252. After the District sought help from the ADEQ Solid Waste Division on this particular dumpsite in 2001,

it was turned over to the ADEQ Mining Division by the Solid Waste Division.

iii. Provide an Evaluation of illegal dump Needs within the District.

The District has an Illegal Dump Control Officer to monitor and control any illegal dumping that may occur in the District. The District needs stronger education programs to encourage public reporting of illegal dumping activities.

b. Litter Services

i. Describe the role the District plays in the development and implementation of litter control services.

The District coordinates and cooperates with the Keep America Beautiful Program locally to assist with litter control.

ii. Provide an evaluation of litter needs within the District.

There is not a litter control program administered by the District. There is a need for the establishment of such a program. The City of Fort Smith enforces litter control through local regulations and policies. The County enforces litter control through enforcement of State laws. The District cooperates with the local Keep America Beautiful Program. These three programs combined provide a comprehensive program that addresses littering within the District.

c. Open Burning Services

i. Describe the role the District plays in the development and implementation of open burning services.

The District (identified as Arkansas State Agency 186 by the State of Arkansas Legislature) has passed its own illegal burning regulations. In the District's regulations; Chapter F: Subchapter 14 identifies prohibited acts, enforcement options, and penalties for illegal burning that are enforceable by the District. Additionally, the District does encourage local government authorities to educate the public on the hazards of open burning practices and to enforce existing State and County regulations that prohibit open burning of waste.

ii. Provide an evaluation of open burning needs within the District.

There are not any reported problems with illegal open burning. Act 1151 of 1997 (which went into effect August 2, 1997) strongly discourages open burning of yard waste and encourages residents to recycle this waste. Open burning of yard waste is allowed but is limited by local regulations. The District's new regulations will provide a strong deterrent for illegal burning.

2. **Waste Tire Services**

a. **Waste Tire Program Services**

i. ***Describe the role the District plays in the development and implementation of waste tire management program services.***

The Sebastian County and the West River Valley Regional Solid Waste Management District (WRVRSMD) cooperate in planning and implementing a single Inter-district waste tire program. As such, the two Districts share resources with the goal of reducing operating costs, affecting the economy of scale, and disposing of waste tires by recycling to minimize any adverse impact upon the environment.

The geographical planning area comprises both the West River Valley Regional Solid Waste Management District and the Sebastian County Regional Solid Waste Management District. The combined districts include ten counties, more than forty incorporated towns, and a population base of 348,505 residents. The Board of Directors for each of the two districts have met and executed an Inter-district Waste Tire Management Program Agreement.

The program is managed by the Waste Tire Oversight Group (Group). The Group consists of the chairperson of each of the participating regional solid waste management districts, one appointed member from each Board, and the Waste Tire Program Administrator. The participating districts agreed that the Western Arkansas Planning and Development District will have the responsibility for administering the program as directed by the Group (in 2007). See APPENDIX F for a copy of the Inter-district Tire Management Program agreement.

ii. ***Describe the District's current waste tire collection, transportation and disposal program, and the type of process used to manage tires.***

The District has a cooperative agreement with the WRVRSMD to recycle tires. A waste tire oversight group, comprised of members from each district, oversees the project. At least one waste tire collection center is located in each county. Sebastian County has a total of 5 waste tire collection centers. In most cases, the collection center will consist of an enclosed box trailer placed at a site easily accessible to the public such as a tire dealer or transfer station. The locations allow for the free disposal of waste tires by retail businesses and private citizens.

The Inter-district arranges for transportation from the collection centers to processing or disposal facilities. When trailers are full

they are replaced and the waste tires are transported to an approved processing/disposal facility. The contract for collection and transportation of waste tires is maintained between the Inter-district and a selected private company (Westarc). Westarc transports all waste tires to their facility in Van Buren for sorting in order to provide proper transportation to the final destination of each waste tire.

After sorting at the Westarc facility in Van Buren, the waste tires are transported according to the following waste tire types:

- **Irregular tires** (oversized, undersized, filled, and solid tires) are disposed of at the Ft. Smith Landfill (after quartering).
- **Truck tires** are transported to either the Blue Circle Cement Company in Tulsa Oklahoma, or Recycle Works in Clarksville. Truck tires taken to Recycle Works are chipped and disposed of by landfilling. Truck Tires taken to Tulsa Oklahoma are utilized as TDF in their cement manufacturing process.
- **Passenger tires** are transported to one of three locations:
 1. Lone Star Cement Company in Pryor, Oklahoma for TDF
 2. Briston Rubber Recycling in Bristow, Oklahoma for processing into crumb rubber
 3. Blue Circle Cement in Tulsa, Oklahoma for TDF

As described above, some of the tires are processed at a processing center at the Johnson County Landfill in Clarksville, Arkansas (Recycle Works). The facility is managed by the West River Valley Regional Solid Waste Management District. A 2 inch nominal chip is produced at the Clarksville facility which only has a market in engineering applications (i.e., roadbed or backfill on retaining walls or bridges). These chips cannot be used for TDF, or drainage medium because the steel content must be less than 10% which is beyond the capability of the current equipment to produce. In 2008, these chips were transported to the landfill for disposal.

The WRVRSWMD is not aware of other markets for their processed tires.

iii. Does the program adequately serve the needs of the District? If not, what corrective measures are being undertaken?

The program is basically meeting the waste tire processing needs of the District. .

iv. List the waste tire collection centers for each county. Include the physical location. List the days and times of operation.

The following waste tire collection centers are located throughout the Inter-District. The centers located in Sebastian County are indicated.

Darrell's Tire 3422 Midland Boulevard Fort Smith, AR 72904 (479) 782-3072 8:00-5:30 M-F 8:00-4:00 Saturday	Jim Grizzle Tire Company 3002 Towson Avenue Fort Smith, AR 72901 (479) 783-6157 7:30-5:30 M-F 8:00-12:00 Saturday	Jenny Lind Tire 15111 Hwy. 71 South Fort Smith, AR 72936 (479) 996-5460 FAX: 479-996-4232 8:00-5:00 M-F 8:00-12:00 Saturday
Trans American Tire Company I-540 & Hwy. 271 Fort Smith, AR 72917 (479) 648-4402 8:00-5:00 M-F 8:00-12:00 Saturday	C & H Tire Company 8701 Rogers Avenue Fort Smith, AR 72903 (479) 452-5678 8:00-6:00 M-F 8:00-3:00 Saturday	

v. *List the waste tire processing facility(ies) used by the District. Include the physical location.*

All waste tires collected in the District that are processed are taken to the tire processing center in Clarksville, Arkansas located at the Johnson County Class IV Landfill site (789 County Road 3311 Clarksville, Arkansas) or Bristow Rubber Recycling in Bristow, Oklahoma (crumb rubber).

Tires that are not processed are utilized as TDF at the Blue Circle Cement Plant in Tulsa, Oklahoma, or the Lone Star Cement Company in Pryor, Oklahoma. Oversized, undersized, filled, and solid tires are disposed of at the Ft. Smith Landfill (after quartering).

vi. *If a waste tire processing facility is not used, list the type of facility that is used. Include the physical location.*

In November 2005, the Inter-district began operation of a waste tire processing center at the Johnson County Class IV Landfill in Clarksville, Arkansas (789 County Road 3311, Clarksville, AR). Tires not processed at the Clarksville facility are taken to the Blue Circle Cement Plant in Tulsa, Oklahoma; or the Lone Star Cement Company in Pryor, Oklahoma for TDF. Tires not taken to these facilities are taken to the Bristow Rubber Recycling Company in Bristow, Oklahoma for processing into crumb rubber or the City of Fort Smith Landfill for disposal.

The alternatives available to process, recycle or dispose of waste tires are limited. Several factors that have an impact on those options are:

- ◆ The amount of resources available
- ◆ The volume of scrap tires
- ◆ What is economically possible in the current market
- ◆ What is environmentally acceptable

Recognizing these limitations, the Inter-district can best utilize their resources by adopting several options for waste tire management so that the maximum number of tires will be recycled and the minimum number of tires will be deposited at a landfill. Three primary options are identified for waste tire management.

Option 1: Cement Kilns

Ashgrove Cement in Foreman, Arkansas and other Cement Kilns in this area use waste tires as a component of the cement manufacturing process and gain Btu value at the kiln when the tires are burned. Tires will be collected from throughout the district and brought into a staging area where they will be sorted. Those that meet the specifications of the cement manufactures will be shipped to them and used in the kilns. This market is erratic and unpredictable and not all waste tires will meet the manufacturer's specifications.

Option 2: Tire Shredding Facilities

Tire shredding facilities at Bristow, Oklahoma and Little Rock, Arkansas have the capacity to take a limited number of waste tires and shred them into a product that has market value. Occasionally the Inter-district will transport tires to those facilities for processing. This market is very limited.

Option 3: Inter-district Waste Tire Processing Facility

The Inter-district established a waste tire processing facility at the Johnson County landfill property. The facility currently has a tire shredder that will process waste tires into a 2" chip. The end product will be marketed to companies that install septic systems, counties to use for road construction, shipped to other secondary processing facilities such as Davis Rubber in Little Rock for further processing, or utilized for other engineering applications.

The WRVRSWMD is not aware of other options that are available for marketing waste tires within the vicinity or within economic feasibility. Refer to the annual waste tire management report prepared for the Inter-district Waste Tire Management Program for additional details on the waste tire processing utilized by the District.

vii. Include here (or append) the District's policy and procedures pertaining to waste tire issues.

The requested information is in APPENDIX F.

b. Waste Tire Counting Services

i. Describe the role the District plays in maintaining waste tire counts.

In accordance with the Inter-District Waste Tire Management Program Agreement (APPENDIX F), a quarterly and year-to-date statement of the volume of tires collected, processed and recycled is reviewed by the Waste Tire Oversight Group (Group) to insure continued compliance with ADEQ Regulation 14.

ii. Describe the manifesting, accounting, or tire count process.

The Inter-District Waste Tire Management Program utilizes a manifest system to account for waste tires. A copy of the waste tire manifest is included in APPENDIX F. The waste tire collection centers record the tire generator information and the waste hauler information (who brought the tires to the collection center) as specified on the manifest. The actual quantity received and the associated fees are also recorded by the collection center. The manifests are then provided to the Inter-District Waste Tire Management Group....

iii. List the number and types of tires generated during the previous calendar year.

In 2008, Sebastian County generated 252,153 waste tires. Refer to the annual waste tire management report prepared for the Inter-district Waste Tire Management Program for additional details and updates on the waste tire program.

Waste tires	219,374
Truck Tires	25,019
Other Tires	123
Total	244,516

iv. List the number and types of tires processed during the previous calendar year.

85% of the waste tires generated in the District were processed. All other tires indicated in iii above were disposed of.

v. List the number and types of tires disposed during the previous calendar year.

85% of the waste tires generated in the District were processed. All other tires indicated in iii above were disposed of at the Fort Smith Landfill (approximately 8400 tires).

Refer to the annual waste tire management report prepared for the Inter-district Waste Tire Management Program for additional details and updates on the waste tire program.

vi. List the number and types of tires stored at the end of the previous calendar year.

There is no long term storage of waste tires in the District.

vii. Describe the type of disposition and give the percent of each type of disposition (i.e., 80% TDF; 20% waste tire chip aggregate).

It is estimated that 5% of the waste tires are quartered and landfilled at FSMLF and the remaining 95% are transported to the following facilities (approximate amounts):

Bristow Rubber Recycling (crumb rubber) Bristow, Oklahoma (918) 967-8585	19%
Blue Circle Cement Company (TDF) Tulsa, Oklahoma (918) 388-1476	18%
Lone Star Cement Company (TDF) Pryor, Oklahoma (918) 824-4102	46%
Recycle Works Clarksville, AR (479) 754-7475	12%

Refer to the annual waste tire management report prepared for the Inter-district Waste Tire Management Program for additional details and updates on the waste tire program

c. Waste Tire Site Control Services

i. Describe the role the District plays in the development and implementation of waste tire site control services.

The District holds two County-wide clean-up campaigns, and the City of Fort Smith holds two City-wide clean-up campaigns annually. These work very effectively to control the illegal disposal of waste tires. Any tires that are illegally dumped are transported

to the Fort Smith Landfill and then sent to the Inter-district tire processing center in Clarksville, Arkansas.

ii. Describe what the District is doing to control dumping of waste tires.

Sebastian County holds two County-wide clean-up campaigns, and the City of Fort Smith holds two City-wide clean-up campaigns annually. These work very effectively to control the illegal disposal of waste tires. Any tires that are illegally dumped are transported to the Fort Smith Landfill and then sent to the Inter-district tire processing center in Clarksville, Arkansas.

iii. For each prior calendar year, provide a list of the number of waste tire sites abated, locations, number and types of tires for each site, and the cost of cleanup of each site. (This information is used for the national report to the Rubber Users Directory.)

There were no waste tire sites abated in Sebastian County during 2008.

iv. Describe how the District inventories waste tire sites.

The Inter-District Waste Tire Program does not maintain an inventory of waste tire sites within the District. If a waste tire site is reported to the local government or the District staff, the District will investigate the site and work with the local county judge to find the property owner and workout a plan to clean up the site.

v. How many waste tire sites are currently known to exist within the District? List and give approximate locations, rank the sites in order of abatement urgency and specify potential risks to human health and the environment. Provide photos where available. Provide estimates of the number and types of tires at each site. Provide estimates of the cost to clean up each site. Identify for each site whether or not the District will need to apply for abatement funds to clean up the site. Provide a timeline to eliminate known waste tire sites.

The Inter-district and the Sebastian County staff are not aware of any waste tire sites located within Sebastian County.

3. Batteries Services

Describe the role the District plays in the development and implementation of lead-acid battery services.

The District does not have a formal lead acid battery services program. However, the District does have a Household Hazardous Waste (HHW) program that includes the collection of lead-acid batteries.

4. Waste Oil Services

Describe the role the District plays in the implementation of waste oil services.

The District does not have a formal waste oil services program. However, the District does have a Household Hazardous Waste (HHW) program that includes the collection of waste oil for recycling.

5. Medical Waste Services

Districts do not play any role in the development or implementation of medical waste services. Any questions that arise should be referred to the Department of Health.

6. Hazardous Waste Services

If not related to household use, Districts do not play any role in the development or implementation of hazardous waste services. Any questions that arise will be referred to the Hazardous Waste Division of the Arkansas Department of Environmental Quality.

7. Household Hazardous Waste Services

a. Describe the role the District plays in the development and implementation of household hazardous chemical waste services.

The City of Fort Smith has a permanent drop facility for HHW that provides proper disposal of HHW, utilizing reuse and maximum recycling of the collected materials through contractual agreement with a hazardous material disposal company. All residents of Sebastian County utilize this facility at no charge through funding provided by the District

Material collected at the HHW facility includes: motor oil, oil filters, antifreeze, brake and transmission fluids, all lead acid batteries, ni-cad batteries, lithium and alkaline batteries, oil based and latex paints, thinners, strippers and solvents, household pesticides and herbicides, fluorescent light bulbs and ballasts, aerosol cans, and sharps.

The HHW drop-off facility is staffed by licensed solid waste facility operators who have also been HHW certified. The facility is located at the City of Fort Smith Landfill, inside the City limits, less than five (5) miles from the center of commerce, on a pad area, where the appliances are off loaded and the Freon removed by certified technicians. Hours of operation are Monday through Friday from 7:30 a.m. to 4:30 p.m. and on Saturday from 7:30 a.m. to 3:30 p.m.

The District currently is collecting electronics waste for recycling at the District facility on former Ft. Chaffee property. An additional HHW facility is presently being established in Mansfield. A HHW trailer is supplied by the District in Lavaca and Ft. Smith with the District paying for the disposal of the collected HHW. Successful HHW collection events have also been conducted by the District in Greenwood in 2008. The city of Barling has two annual HHW collection events sponsored by the District. The facilities are operated with recycling grant funds provided by the District.

The main objective of the HHW program is to provide an environmentally safe means of disposal for residential quantities of household hazardous waste for Sebastian County residents. A secondary objective is to provide a continuing extensive education program that promotes proper storage, treatment, and disposal of this type of waste, along with using natural alternatives to disposal. The goals are to focus on reducing the amount of HHW entering the waste stream, reusing all items of usable quality and quantity, and recycling those that can't be reused. The HHW facilities continue to have beneficial outcomes, i.e., the quality of life in the District will be enhanced when more citizens realize the consequences of improper use, storage and disposal of HHW.

b. Describe briefly how household chemicals are currently managed in the District and/or county.

Explained in detail in a. above.

c. List household hazardous waste collection activities or locations within the District.

- 1) Fort Smith HHW Collection Facility - located at the Landfill in Fort Smith.
- 2) Lavaca HHW Collection Facility - located at the ABC Center in Lavaca
- 3) Barling – two collection events per year
- 4) City of Greenwood event in 2008

d. Describe progress and setbacks in household hazardous waste collection service efforts within the District.

. There are no known setbacks.

e. Provide a description of educational and technical services provided by the District as they relate to household hazardous chemical waste services.

Household Hazardous Waste education is a regular part of the integrated solid waste management education program. Proper storage, disposal and use of alternatives are stressed. Tours of the HHW facility are included as part of the Landfill tours. Educational and informational brochures are available to the public. Technical services (training and

equipment) for the existing facility and the new facilities have been funded through District recycling grant funds.

8. Waste Electronics Services

a. Describe the role the District plays in the development and implementation of waste electronics services.

The District has an e-waste collection program provided to the District citizens for free, and on a fee basis to businesses and institutions. The District works cooperatively to schedule pickup of e-waste at businesses. All e-waste is processed at the District facility located on former Ft. Chaffee property. The District has established business relations with e-waste brokers in Rogers, Ar that provide revenue to the District to help offset expenses. In addition, some items are also sent to Unicor in Texarkana for processing. However no revenue is generated from the arrangement with Unicor and the associated transportation costs are expensive.

The District had successful E-waste collection events for the last several years. Electronic waste from these events was collected free of charge from both residential and commercial sources and transported at the District's expense to Unicor in Texarkana, Arkansas. In 2004, a 48 foot trailer was purchased to temporarily store e-waste until a full load could be transported for processing.

The District has also purchased a pickup truck and four cargo trailers to aid in the collection and transport of e-waste. A trailer is permanently located at the Ft. Smith Landfill, at recycle centers in Mansfield, Lavaca and Greenwood. Under a cooperative agreement between Ft. Smith and the District, all residents of the District are allowed to bring their end-of-life computers to the Ft. Smith Landfill for recycling by the District at no charge. All public schools are able to dispose of e-waste at no charge.

The District co-sponsored a study for a comprehensive statewide e-waste collection program that is coordinated between all the Solid Waste Management Districts in the State. The District has taken a proactive approach to e-waste management by establishing an e-waste recycling center and program. The program is described in detail on the District website and in the following sections.

b. Does the District have a waste electronics collection and/or recycling center? If yes, please describe.

The District does have a waste electronics collection and processing center. The District implemented an e-waste management program by leasing and remodeling a 13,500 square foot facility on Ft. Chaffee to

service Sebastian and surrounding counties. The District has now purchased this facility. The District will continue to acquire more vehicles and equipment to package and sort the e-waste stream for optimal recycling opportunity.

The District will also continue to participate with the Solid Waste District Association for Statewide processing of e-waste.

c. *Describe progress and setbacks waste electronics service efforts within the District.*

As mentioned above, the District has addressed the e-waste program by participating on the potential Statewide effort, and by implementing a local program to serve the District. The establishment of a waste assessment fee has assisted with the implementation of the District e-waste program. The District has also received e-waste grants to purchase a pickup truck and three cargo trailers to serve the District, and to assist in the development of the District processing center on former Ft. Chaffee property. However, the volume of e-waste (particularly televisions) currently overwhelms the capability of the District staff and the processing capability at the Ft. Chaffee facility. Additional staff is needed to accommodate the service area.

The recent recession has impacted the e-waste industry by forcing many end-of-line recyclers to charge for monitors and televisions where they previously paid for each unit. This greatly affects the operating costs and other programs in the District as a result of the loss of revenue.

d. *Provide a description of educational and technical services provided by the District as they relate to waste electronics services.*

The District is handling educational and technical services on a case by case basis regarding e-waste issues. Efforts include participating in local trade shows and expo's, speaking to information technology managers at organizational meetings, holding seminars at the local library, and providing information on the District website and specific e-waste related brochures.

e. *Provide an evaluation of waste electronic needs within the District.*

The volume of e-waste (especially televisions) overwhelms the current District staff and the capability of the Ft. Chaffee facility. Additional staff is needed to accommodate the program. However, the District is continuing to attempt to build up funds to establish a sustainable e-waste program.

9. *Construction and Demolition Waste Services*

a. Describe the role the District plays in the development and implementation of construction and demolition waste services.

The District does not have a separate Construction and Demolition (C&D) waste services program. As detailed previously, the City of Fort Smith Landfill has Class IV waste disposal capacity adequate to serve the needs of the District for many years. The role of the District in the management of C&D waste is to assist in the control of open dumping and to assist the local governments in continuing to provide waste disposal capacity for Class IV type waste.

b. Provide an evaluation of construction and demolition waste needs within the District

The District needs to identify the source providers and haulers of C&D waste and adequately promote recycling over landfill disposal. The District is understaffed and underfunded to perform this task. Although C&D waste is adequately handled within the District, additional education, collection, and transportation provisions will be needed in the future.

10. Other Solid Wastes Services

a. Describe the role the District plays in the development and implementation of services for any other solid wastes not previously covered in this document.

The District does not have any other specific solid waste management programs aside from the programs already discussed in this document.

The District will play a significant role in planning for electronic recycling and HHW collection at each dumpster location during the semi-annual county wide clean ups.

b. Provide an evaluation of other solid waste needs within the District

The District does not have the resources to expand into other programs to address other solid waste needs until the financial stability of the District is addressed.

F. Education and Public Awareness Services

1. District's Role

Describe the role the District plays in the development and implementation of education and public awareness services relative to solid waste management areas and issues.

The District has been very active in public education and public awareness services. The District currently provides technical assistance and education on specific issues as required by the Board or any of the member jurisdictions.

The District has developed the "Eccopartners" brand as an efficient way to communicate environmental and recycling awareness in the District education and

outreach program. As part of the program the District has adopted the “Eccofrog” mascot to create enthusiasm and support in the schools and local education programs.

The City of Fort Smith has established successful residential curbside recycling as well as recycling programs in city government offices. Additionally, the opportunity for recycling white goods, tires, household hazardous waste, and yard waste is available in Fort Smith. *Litter Free - The Way to Be*, the complimentary anti-litter campaign, was established in 2002. The District provided educational classes to every third grade public school in the District in 2008. The District also continued to provide recycling related education classes to over 150 teachers in 2008.

Each of these programs has achieved success due to an ongoing education and public awareness program that has a strong focus on integrated solid waste management. Educational efforts have been provided by environmental education curriculum, teacher workshops, special presentations to classrooms, and civic and youth groups that feature lessons in integrated solid waste management. All elements of integrated systems are emphasized including reduction, reuse, recycling, composting, household hazardous wastes management, litter and illegal Dumping.

Several informational signs, brochures, posters and flyers have been developed for educational purposes. The media has also been utilized for education, including radio and television ads, newspaper articles, web sites and cable access channels. Education is also provided with interpretive tours of the Landfill and the Material Recovery Facility.

2. Active Programs Utilized

List active programs utilized by the District, like Keep Arkansas Beautiful, Arkansas Recycling Coalition, and the Arkansas Department of Environmental Quality’s Solid Waste Management Programs.

The District currently participates in the following programs:

1. Arkansas Environmental Academy
2. Solid Waste Association of North America
3. District Director’s Association
4. Arkansas Environmental Federation
5. Arkansas Solid Waste Operators Licensing Program (Regulation 27)
6. Arkansas Recycling Coalition
7. Arkansas Environmental Education Association
8. Keep Arkansas Beautiful
9. Keep America Beautiful

3. District Programs

List in-house, and other solid waste educational programs, litter programs, illegal dumping prevention programs, and any others not mentioned here. Describe the nature of each effort and level of participation. Include the following:

- a. **Name of Organization/Sponsor**
The District has not identified any other educational programs. However, various local programs can be in place throughout the District at any time.
- b. **County(ies) or City(ies)**
The District has not identified any other educational programs. However, various local programs can be in place throughout the District at any time.
- c. **Addresses and Phone Numbers**
The District has not identified any other educational programs. However, various local programs can be in place throughout the District at any time.
- d. **Target Participants**
The District has not identified any other educational programs. However, various local programs can be in place throughout the District at any time.
- e. **Description of Activities**
The District has not identified any other educational programs. However, various local programs can be in place throughout the District at any time.

4. **Communication Strategies**

How is the District communicating with their citizens?

The District communicates with the member entities via regular meetings and staff contacts. Technical assistance between the District staff and local governments are routine.

5. **Public Meetings/Communication**

a. ***Are there regularly scheduled forums where the public can voice environmental concerns?***

The District does not sponsor regularly scheduled forums where the public can voice environmental concerns. However, the regular Board meetings are open to the public and comments are welcome.

b. ***Are Board meetings regularly scheduled?***

The District Board meetings are held on a quarterly basis (the third Wednesday of February, May, August and November). Special meetings are also available to address specific issues as needed.

c. ***Are the meetings publicized or promoted for the public's knowledge? How - radio, television, newspaper, other?***

The District does not have a regular radio, television, or newspaper related promotional program. The date, time, location and agenda for all District meetings are faxed to all media (radio, television and newspapers) in the District several days prior to each meeting.

The District routinely advertises in local television and Ft. Smith magazines and newspapers to provide information on clean-up, anti-litter, illegal dumping, and anti-burning campaigns. The District works through the local fire department associations for education on illegal burning.

d. Are there any opportunities for the public to receive training or current environmental information via a public forum or meeting?

The District encourages members and the general public to participate in the State and environmental trade group training and exchanges. The District Director and other District staff give routine speeches through local organizations. The District works with rural mayors and school staff to provide technical assistance related to solid waste management and the implementation of sustainable recycling programs.

e. Are there any public announcements, training, or education involving litter control awareness and illegal dump elimination?

There are currently no regular public announcements from the District related to training and education on litter control and illegal dump elimination. However, the District routinely displays billboards in prominent high traffic areas.

The District routinely advertises in local television and Ft. Smith magazines and newspapers to provide information on clean-up, anti-litter, illegal dumping, and anti-burning campaigns. The District works through the local fire department associations for education on illegal burning.

6. Internet Access

Does the Regional Solid Waste Management Board have a web page? If so, please provide the address.

The District does have a web page. The web page was established under the Eccopartners program at www.eccopartners.org

7. Publications

Are there any newsletters or environmental publications for the public?

Environmental publications prepared by the District for public distribution include several brochures with e-waste, composting, HHW, and recycling emphasis.

G. Other Services

1. Transportation

a. What role does the District currently play in solid waste transportation issues and needs?

The District provides extensive recycling and e-waste transportation services for the District citizens. The District involvement also includes technical assistance as required by individual jurisdictions.

The District provided a waste collection vehicle for Sebastian County to maintain their parks in 2008. The District also provides roll-off containers for small city public work projects as needed. The District regularly transports recyclable materials from small communities to the District material recovery facility. Finally, the District provides collection and transportation of cardboard from drop-off centers and local businesses.

b. *Provide an evaluation of transportation needs within the District.*

The District does not anticipate significant transportation related issues or needs within the next year.

MINIMUM REQUIREMENTS FOR REGIONAL SOLID WASTE MANAGEMENT PLANS For the Regional Solid Waste Management Districts

Part Two – Chapter Two Action Plan

A.C.A. §8-6-710. Solid waste management responsibility. (a)(1) Each regional solid waste management board shall be the governmental entity primarily responsible for providing a solid waste management system for the district.

Section 2.201 Mission Statement

Provide a mission statement for the Regional Solid Waste Management Board

The Sebastian County Regional Solid Waste Management District is committed to the protection of the public health, environment, and quality of life in Sebastian County through continuous improvement of its integrated solid waste management system.

Section 2.202 Executive Summary

A. Strategies

1. Describe the role the District plays in the development and implementation of effective solid waste management programs as they relate to the six main goal areas of the Statewide Solid Waste Management Plan.

1. Collection

The District role in the development and implementation of collection services is to provide education, administrative, planning, and financial resources to the member local jurisdictions. The District is served by a combination of private haulers and publicly owned and operated collection service providers. The cities of Fort Smith, Barling, Hartford, Greenwood, Hackett, Huntington, Lavaca, and Mansfield have passed legislation to bill and collect for solid waste collection and disposal. Sebastian County and the remaining incorporated towns offer a voluntary subscriber service through a contract agreement with a licensed hauler.

2. Disposal

The disposal capacity for the District is the City of Fort Smith Landfill. The City of Fort Smith has been a long time provider of waste disposal capacity for Sebastian County. The City of Fort Smith purchased four hundred acres of land from the Department of the Army at Fort Chaffee adjacent to the old municipal landfill in 1993. The old landfill was

closed and a new Subtitle D landfill began receiving waste in October 1993. The total permitted capacity at the site is roughly 72,607,000 cubic yards. As of the most recent survey (March 4, 2009) approximately 6,201,695 cubic yards of void space has been consumed leaving approximately 66,405,305 cubic yards of permitted capacity remaining as of March 4, 2009. Based upon the growth projections, the remaining permitted capacity of the site is in excess of 40 years.

3. Recycling

The District role in the implementation of recycling programs includes education, administration, technical assistance, funding, and coordination. The District is in the process of improving recycling capability at Lavaca and Greenwood. The District continues to purchase recycling containers and collection /transport vehicles to assist with the District recycling capability. The District also is continuing to purchase vehicles and equipment to support the community recycling programs with a goal to implement a final recycling system where each community cooperates as a group instead of independent entities. In addition, the District has purchased a 13,500 square foot building on 4 acres on former Ft Chaffee property and is in the process of establishing a processing center for electronic and recyclable material.

The City of Fort Smith has a public/private partnership with Fort Smith Waste Paper Company to process and market recyclable materials. Fort Smith Waste Paper Company and the City jointly operate a Materials Recovery Facility which accepts commingled recyclables, sorts and prepares recyclables for market, and assists in marketing.

Weekly curbside collection of recyclables is offered to every residential household and most small business and institutions in Fort Smith. A public information system has been implemented for the City of Fort Smith to assist with their recycling effort.

The District has incorporated "Eccopartners" as the educational division of the District and established a website that emphasizes recycling (see education below)

4. Waste Reduction

The District does not have a formal waste reduction program. However, the District does take every educational related opportunity to promote waste reduction. The District works with business and industry by providing waste audits and recommended separation of their waste streams, and promotes reuse programs.

5. Special materials

The District assumes different responsibilities in the development and implementation of each of the Special material items. Refer to section 1.105 E. for a complete discussion of each of the items.

6. Education and Public Awareness

The District has been very active in public education and public awareness services. The District currently provides technical assistance and education on specific issues as required by the Board or any of the member jurisdictions.

The District has developed the “Eccopartners” brand as an efficient way to communicate environmental and recycling awareness in the District education and outreach program. As part of the program the District has adopted the “Eccofrog” mascot to create enthusiasm and support in the schools and local education programs.

The District has developed an annual Earth Day event called “Earthfest”. Over 1500 people attended the first event in 2008. The success of the event is due to the contribution of educators at ADEQ, the Arkansas Forestry Commission, the Army Corps of Engineers, the Arkansas Game and Fish Commission, Keep Arkansas Beautiful, the Sebastian County Conservation District, and various utility providers.

The City of Fort Smith has established successful residential curbside recycling as well as recycling programs in city government offices. Additionally, the opportunity for recycling white goods, tires, household hazardous waste, and yard waste is available in Fort Smith. *Litter Free - The Way to Be*, the complimentary anti-litter campaign, was established in 2002. The District provided educational classes to every third grade public school in the District in 2009. The District also continued to provide recycling related education classes to over 150 teachers in 2009.

Each of these programs has achieved success due to an ongoing education and public awareness program that has a strong focus on integrated solid waste management. Educational efforts have been provided by environmental education curriculum, teacher workshops, special presentations to classrooms, and civic and youth groups that feature lessons in integrated solid waste management. All elements of integrated systems are emphasized including reduction, reuse, recycling, composting, household hazardous wastes management, litter and illegal dumping.

Several informational signs, brochures, posters and flyers have been developed for educational purposes. The media has also been utilized for education, including radio and television ads, newspaper articles, web sites and cable access channels. Education is also provided with interpretive tours of the Landfill and the Material Recovery Facility.

2. *What projects or efforts does the District expect to undertake or accomplish in order to attain these goals?*

The District Plans to develop projects and efforts including the following areas:

- Provide additional convenience centers for more complete rural collection of solid waste and recyclables
- Continue to develop special materials services in one or more of the following areas: waste batteries, waste oil, household hazardous waste, medical waste, e-waste

- Continue to enhance the comprehensive solid waste educational and public participation program

B. Outlook

1. Describe the role the District hopes to play in the future development and implementation of effective solid waste management programs.

The District role in the future will continue to be a role of technical assistance and administrative services provided to the member jurisdictions. The District hopes to promote the following areas in the future development and implementation of effective solid waste management programs:

- Extensive solid waste education in achieving 100% participation in solid waste collection
- Promote communication through inter local government organizations
- Provide education to District schools, communities, and residents
- Enhance the e-waste management program
- Enhance recycling, burning, dumping educational efforts

2. Identify areas where solid waste management efforts could be directed for the next decade as they pertain to the six main goal areas identified in the Statewide Solid Waste Management Plan.

The main solid waste management efforts will be directed toward the following goal areas:

1. Collection
 - mandatory collection throughout district
 - encourage proper handling of commercial waste (develop guidelines)
 - theft of services - develop enforcement mechanisms
2. Disposal
 - all waste in District routed to the District landfill
 - execute inter District transfer agreements
 - MRF available for District
 - encourage permits for construction
 - maintain long term disposal capacity
3. Recycling
 - increase the number of locations available for all District residents to recycle a minimum of at least three items.
 - promote buy and sell recycle programs
 - attract industry that makes products from recycled products generated in the District
 - develop more public/private partnerships
 - Continue to improve the District e-waste/material recovery facility
 - Continue to provide technical assistance and equipment
4. Waste Reduction

- work with business and industry by providing waste audits and separation of their waste streams
 - promote reuse programs
 - promote waste minimization/pollution prevention programs
5. Special materials
- Illegal Disposal
 - Illegal Dumping – continue employment of control officer with possible addition; encourage permits for construction
 - Litter - expand litter free way to formal program
 - Open burning - promote passage of burn barrel ban
 - Waste Tires - continue program to insure recycling or reuse
 - HHW - monitor effectiveness of existing HHW locations to determine if additional locations needed
 - Batteries continue with existing HHW
 - Waste electronics- continue to enhance program for recycling
 - Construction and demolition waste
 - encourage permits for construction
 - investigate reuse programs for asphalt roofing
6. Education and Public Awareness
- continue to expand and develop Eccopartners program
 - develop/expand programs for the environmental benefit of proper disposal and recycling, illegal dumping, and littering
 - continue to involve additional media and local organizations

Section 2.203 Goals

A. District's High Level Goals

Keeping in mind the Department of Environmental Quality's Land Objectives and the Solid Waste Management Division's High-Level Goals (named under Section 1.203 in Part One of the Statewide Solid Waste Management Plan), identify and explain at least three District-wide high-level goals for the next decade.

The Department of Environmental Quality's Land Objectives and the Solid Waste Management Division's High-Level Goals are as follows:

The District has adopted the following issues as high level goals for the next decade:

1. Regulated land-based activities are safely managed (ADEQ Land Objective 1). More specifically, all solid waste facilities in the District should be within 80% compliance with operation performance standards (Solid Waste Division High Level Goal A)
2. Reduce the amount of solid waste sent to landfills by 40% by 2011 and 45% by 2013, based on a year-to-year comparison (ADEQ Land Objective 4). More specifically, the District will attempt to increase solid waste management options to divert 40% of waste from landfills (Solid Waste Division High Level Goal C).

In order to assist the above State objectives and goals, the District has adopted the following issues as high level goals for the next decade:

1. 100% participation (every household in the District) utilizing a licensed solid waste collection service
2. A District wide recycling program with a material recovery facility which includes economic incentives to participate.
3. Continue to reduce illegal dumping and litter
4. Eliminate burn barrels
5. Encourage waste disposal at the District's only Landfill (Fort Smith)
6. Continue to develop and enhance the District electronic waste program
7. Continue to support fall and spring county clean-ups

B. District's Plan's Goal Areas

Keeping in mind the six major Goal Areas (named under Section 1.203 in Part One of the Statewide Solid Waste Management Plan) should identify and explain the District's specific goals for each of these goal areas for the next decade. The six goal areas identified are:

**Collection
Disposal
Recycling
Waste Reduction
Special Materials
Education and Public Awareness**

Regional Plans, at a minimum, should address each of the issues listed and should provide a goal-achievement discussion or strategy and a timeline for completion of each objective.

1. Collection

Based on available information, discuss collection needs and trends within the District that are anticipated during the next ten years.

At a minimum:

Examine and evaluate each county's collection systems and provide solutions for improvement. Examine and evaluate a District-based funding mechanism for the collection of all solid waste generated within the District.

The District role in the development and implementation of collection services is to provide education, administrative, planning, and financial resources to the member local jurisdictions. The District is served by a combination of private haulers and publicly owned and operated collection service providers as described in previous section of this plan.

The primary need is for more comprehensive collection services. In addition, more transfer stations throughout the District would also facilitate the cost effective collection of waste and recyclables.

The following goals have been adopted to address the District collection system:

- mandatory collection throughout District
- encourage proper handling of commercial waste (develop guidelines)
- theft of services - develop enforcement mechanisms

2. Disposal

Based on available information, discuss disposal needs and trends within the District that are anticipated during the next ten years.

At a minimum:

Provide and improve integrated solid waste management options that include, but are not limited to, disposal facilities, transfer stations, composting facilities, recycling facilities, household hazardous waste collection facilities, special materials facilities, processing facilities and material recovery facilities.

The disposal capacity for the District is the City of Fort Smith Landfill. The City of Fort Smith has been a long time provider of waste disposal capacity for Sebastian County. The old landfill was closed and a new Subtitle D landfill began receiving waste in October 1993. The total permitted capacity at the site is roughly 72,607,000 cubic yards. As of the most recent survey (March 4, 2009) approximately 6,201,695 cubic yards of void space has been consumed leaving approximately 66,405,305 cubic yards of permitted capacity remaining as of March 4, 2009. Based upon the growth projections, the remaining.

The following goals have been adopted to address the District's disposal capacity:

- all waste in District routed to the District landfill
- execute inter District transfer agreements
- MRF available for District
- encourage permits for construction
- maintain long term disposal capacity

As explained in previous sections, the District has developed an integrated solid waste management system based upon the individual efforts of the cities that comprise the District. Since disposal arrangements have been made contractually for Class I waste, the District will improve on the efficiency of the overall system by strategically addressing the goals established in this plan. Additional facilities will be multi-functional to include recycling, tire, and special material handling. Additional composting facilities may also be developed to handle yard waste throughout the District. As more recyclable material is collected, the need for additional material recovery facilities will grow. The District will continually monitor progress in the development of a more comprehensive integrated solid waste system and seek grants through the ADEQ to fund the necessary improvements.

3. Recycling

How will the District assure that Recycling follows the state legislated goal?

At a minimum:

Establish a realistic and achievable recycling goal for the District.

The District role in the implementation of recycling programs includes education, administration, technical assistance, funding, and coordination. The District operates a 13,500 cubic foot e-waste/material recovery facility for receiving and processing e-waste and other recyclable material.

The following goals have been adopted to address the District's recycling program:

- increase the number of locations available for all District residents to recycle a minimum of at least three items.
- promote buy and sell recycle programs
- attract industry that makes products from recycled products generated in the District
- develop more public/private partnerships
- Continue to improve the District e-waste/material recovery facility

The District has set a goal of reducing the waste stream by 40% by the year 2013. The District will achieve the stated goal by providing an improved education and public awareness program and by providing additional drop-off and transfer capability. The District will also establish additional material recover facilities as needed. Marketing of recyclable materials will also become critical as more recyclable material is reclaimed from the waste stream.

4. Waste Reduction

What will the District's direct efforts be with business, industry and households that will reduce the amount of waste entering the waste stream?

At a minimum:

Establish on-going public outreach programs that address waste reduction.

The District does not have a formal waste reduction program. However, the District does take every educational related opportunity to promote waste reduction. The District works with business and industry by providing waste audits and separation of their waste stream, and promotes reuse programs. The District has adopted the following goals to address waste reduction:

- work with business and industry by providing waste audits and separation of their waste streams
- promote reuse programs
- promote waste minimization / pollution prevention programs

The District will achieve the stated goal by providing an improved education and public awareness program and by working with local industry and businesses. The District plans to develop and implement a public awareness and information exchange system that emphasizes waste reduction and recycling. This program will target residential, commercial, and industrial waste generators within the District. The District Eccopartners program is essential to this effort.

5. Special Materials

What role will the District take in proper management in each of the following special materials?

At a minimum:

Identify problems related to each special material listed and explain how they will be addressed.

The District assumes different responsibilities in the development and implementation of

each of the Special Material items. Refer to section 1.105 E. for a complete discussion of each of the items.

a. *Illegal Disposal*

i. *Illegal Dumping*

As explained previously, the District has adequately handled the closure of illegal dumps. This achievement is due to the provisions for waste collection and disposal that are detailed in this document and the establishment of a formal dump closure plan. Another key element is the District illegal dump control officer. Potential problems in illegal disposal could reoccur if continued financial provisions and local government participation is not continued. Continued enforcement and public education programs will insure that local governments will continue to participate and fund their solid waste management systems insuring that the illegal dumping does not occur. The District has adopted the following goals to address illegal dumping:

- continued employment of control officer with possible addition;
- encourage permits for construction

ii. *Litter*

The District has established a public education program that targets many areas including litter control. This program has an element of enforcement through local officials. The program is dependent upon the proper education of local law enforcement and a commitment on their part to enforce the litter laws that are in place. The District will also provide education material to insure that local officials understand their role in litter control. The District has adopted the following goals to address litter control:

- Develop additional cooperation with the “Keep Arkansas Beautiful Campaign.
- expansion of the Eccopartners education program

iii. *Open Burning*

The existing public education program will be expanded to include an element of open burning control and enforcement through local officials. This program is also dependent upon the proper education of local law enforcement and a commitment on their part to enforce open burning regulations that are in place. The District will provide education material to insure that local officials understand their role in this area. The District has adopted a goal of banning burn barrels to address the issue of open burning.

b. *Waste Tires*

The Sebastian County and the West River Valley Regional Solid Waste Management District (WRVRSMD) cooperate in planning and implementing a single Inter-district waste tire program. As

such, the two Districts share resources with the goal of reducing operating costs, affecting the economies of scale, and disposing of waste tires by recycling to minimize any adverse impact upon the environment.

The geographical planning area comprises both the West River Valley Regional Solid Waste Management District and the Sebastian County Regional Solid Waste Management District. The combined Districts include ten counties, more than forty incorporated towns, and a population base of 348,505 residents. The Board of Directors for each of the two districts have met and executed an Inter-district Waste Tire Management Program Agreement.

The program is managed by the Waste Tire Oversight Group (Group). The Group consists of the chairperson of each of the participating regional solid waste management districts, one appointed member from each Board, and the Waste Tire Program Administrator. The participating districts agreed that the Western Arkansas Planning and Development District will have the responsibility for administering the program as directed by the Group.

At least one waste tire collection center is located in each county. Sebastian County has a total of 5 waste tire collection centers. In most cases, the collection center will consist of an enclosed box trailer placed at a site easily accessible to the public such as a tire dealer or transfer station. For those counties whose population exceed fifty thousand (50,000) residents or that have two (2) County Seats (Sebastian, Franklin, Yell and Logan County) additional waste tire collection centers will be established. The locations allow for the free disposal of waste tires by retail businesses and private citizens.

The Inter-district contracts for direct transportation service from the collection centers to processing or disposal facilities. When trailers are full they are replaced and the waste tires transported to an approved processing/disposal facility. The current contract for collection and transportation of waste tires is maintained between the Inter-district and Westark Tire Company. Most tires are transported out of the district and processed into tire derived fuel or other applications. Tires which cannot be taken as tire derived fuel are cut and disposed of at the Fort Smith Landfill or processed into crumb rubber or shredded for engineering applications.

The District has a cooperative agreement with the WRVRSMD to recycle tires. A waste tire oversight group, comprised of members from each district, oversees the project.

The Inter-District has a fully operational tire processing facility at the Johnson County Class 4 landfill located in Clarksville, Arkansas. The facility has a tire shredder that processes tires into 2 inch chips. Currently the chips are used by the Johnson County Landfill in the leachate system.

The alternatives available to process, recycle or dispose of waste tires are limited. Several factors that have an impact on those options are:

- ◆ The amount of resources available
- ◆ The volume of scrap tires
- ◆ What is economically possible in the current market
- ◆ What is environmentally acceptable

Recognizing these limitations, the Inter-district can best utilize their resources by adopting several options for waste tire management so that the maximum number of tires will be recycled and the minimum number of tires will be deposited at a landfill. The WRVRSWMD is only aware of three primary options for waste tire management. If additional options are available, the District requests input on these options from the ADEQ.

Option 1: Cement Kilns

Ashgrove Cement in Foreman, Arkansas and other Cement Kilns in this area use waste tires as a component of the cement manufacturing process and gain Btu value at the kiln when the tires are burned. Tires will be collected from throughout the district and brought into a staging area where they will be sorted. Those that meet the specifications of the cement manufactures will be shipped to them and used in the kilns. This market is erratic and unpredictable and not all waste tires will meet the manufacturer's specifications.

Option 2: Tire Shredding Facilities

Tire shredding facilities at Bristow, Oklahoma and Little Rock, Arkansas have the capacity to take a limited number of waste tires and shred them into a product that has market value. Occasionally the Inter-district will transport tires to those facilities for processing. This market is very limited.

Option 3: Inter-district Waste Tire Processing Facility

The Inter-district permitted a waste tire processing facility on the Johnson County landfill property. The District will continue to participate in the Inter-District agreement as part of the West River Valley Waste Tire Management District (WRVWTMD). The WRVWTMD currently contracts with Westark Tire Company to operate a comprehensive waste tire collection program. The collection system includes over 40 public and private collection centers in the District using tractor trailers so tires stay covered. The inter-District waste tire program recycles approximately 90% of the waste tires collected at a cost per unit that is one of the least expensive in the State. In 2005, the District purchased processing equipment and built a tire shredding operation at the Johnson County Landfill. Tires processed are to be used in engineering projects and septic system installations. Until recently, the tire program was in financial crisis due to the funding formula used to distribute tire monies. That formula was updated in 2004 and now the ADEQ considers the District tire program to operate above break even.

Conclusion: The change in the state funding formula seems to be adequate to operate the tire program at this time. The tire processing facility located at the Johnson County Landfill will enhance the effectiveness of the tire program. The ultimate goal is to recycle the tires as opposed to disposing of them in a sanitary landfill. The WestArk Tire contract is cost effective and successful.

The goal is to continue to develop the tire processing facility to include additional processing capability. The Action Plan is as follows:

1. Engage septic installers through education and promotion of tire chip uses. Completion date: August 2009
2. Prepare tire chips for use as tire derived fuel. Completion date: December 2010
3. Develop storage capacity for tire chips. Completion date: December 2010
4. Conduct a feasibility study for end use markets. Completion date: December 2010
5. Complete study for additional processing capability at the Clarksville Facility.

c. Batteries

The District does not have a formal lead acid battery services program. However, the District does have a Household Hazardous Waste (HHW) program that includes lead-acid batteries. The District plans to continue handling waste batteries as part of the District HHW program.

d. Household Chemical Waste

The District currently has provisions for the collection and disposal of household hazardous waste (HHW). There is currently one (1) HHW location within the District, with the establishment of two (2) additional facilities underway at the present time. The District plan is to monitor the effectiveness of the three locations to determine if additional locations are needed. If needed, the District will apply for the appropriate grants to expand the HHW program. Also refer to previous sections of this solid waste management plan that discuss Household Hazardous Waste.

e. Waste Electronics

The District currently has a waste electronics program. However, the need for further development of the program has been targeted. The District goal is to develop an “e-waste” program to facilitate recycling and reuse of electronic waste. In June 2006 the District entered into a partnership with all the other Districts in the State of Arkansas to develop a unified and comprehensive e-waste collection, transportation, and processing plan. The plan was completed in 2006. The District has purchased a 13,500 square foot facility for the purpose of receiving and shipping waste electronics collected from residential, commercial, and institutional facilities. The e-waste processing facility is located in the industrial area of a closed military base and has adequate room for significant expansion of operations. The District goal is to develop an efficient e-waste management program to serve the District and surrounding area.

f. Construction and Demolition Waste

The District plans to provide additional educational material to local officials concerning the proper disposal of C&D waste. The District role is to encourage the proper disposal trend to continue. Problems could develop if a large population growth trend starts or if Class IV waste disposal capacity reduces significantly. The District will maintain a watch on the C&D waste disposal to insure that waste generation rates do not exceed disposal capability. Other specific District goals to address C&D wastes are:

- Encourage permits for construction
- Investigate reuse programs for road material recycling
- Develop a de-construction program to promote C&D material reuse

g. Other Solid Wastes

The District does not have plans to incorporate other special materials into the overall management system at this time.

6. Education and Public Awareness

How will the District approach education and public awareness?

At a minimum:

Identify education and public awareness programs that incorporate integrated solid waste management systems.

The District has been very active in public education and public awareness services. The District currently provides technical assistance and education on specific issues as required by the Board or any of the member jurisdictions.

The District has developed the “Eccopartners” brand as an efficient way to communicate environmental and recycling awareness in the District education and outreach program. As part of the program the District has adopted the “Eccofrog” mascot to create enthusiasm and support in the schools and local education programs.

The City of Fort Smith has established successful residential curbside recycling as well as recycling programs in city government offices. Additionally, the opportunity for recycling white goods, tires, household hazardous waste, and yard waste is available in Fort Smith. *Litter Free - The Way to Be*, the complimentary anti-litter campaign, was established in 2002. The District provided educational classes to every third grade public school in the District in 2008. The District also continued to provide recycling related education classes to over 150 teachers in 2008.

Each of these programs has achieved success due to an ongoing education and public awareness program that has a strong focus on integrated solid waste management. Educational efforts have been provided by environmental education curriculum, teacher workshops, special presentations to classrooms, and civic and youth groups that feature lessons in integrated solid waste management. All elements of integrated systems are emphasized including reduction, reuse, recycling, composting, household hazardous wastes management, litter and illegal Dumping.

Several informational signs, brochures, posters and flyers have been developed for educational purposes. The media has also been utilized for education, including radio and television ads, newspaper articles, web sites and cable access channels. Education is also provided with interpretive tours of the Landfill and the Material Recovery Facility.

The District plans to expand the existing education and public awareness program to incorporate all the elements of an integrated solid waste management system. The implementation of this program depends upon funding from the ADEQ. The District will continue to incorporate the collection, disposal, recycling, waste reduction, and special materials elements into the overall program via the Eccopartners program. The program will be designed to target residential, commercial, and industrial waste streams

within the District. The public education program will include elements of illegal dump control, litter control, and special material handling. Other related District goals are:

- Employment of the environmental coordinator and other staff as needed
- Develop/expand programs on the environmental benefit of proper disposal and recycling, illegal dumping, and littering.
- Continue to develop and expand the Eccopartners program
- Continue to sponsor local advertising and educational formats

7. Other Goals

How will the District approach other solid waste related goals?

At a minimum:

Identify other goals that incorporate into integrated solid waste management systems. Include any other goals that the Regional Solid Waste Management Board may have.

The District has not established additional goals at this time.

Section 2.204 Goal Areas - Objectives

Keeping in mind the information collected on the six major Goal Areas under Chapter Two – Activities Analysis, and the District’s specific goals for each named in the above section, provide information that could help the District attain its goals during the next ten years:

- ◆ List probable problems that the District might face
- ◆ List possible solutions that the District might follow

A. Collection

Problems

- Some of the municipalities do not have mandatory collection service
- Some of the municipalities do not manage collection service at all
- Commercial waste could increase with population
- Some individuals are “stealing” waste disposal services by utilizing available collection or disposal without paying

Solutions

- mandatory collection throughout district
- encourage cities and county to manage collection but not necessarily provide the service
- encourage proper handling of commercial waste (develop guidelines)
- theft of Services - develop enforcement mechanisms
- provide funding for convenience centers
- enforce more haulers permits
- work with local governments to develop waste collection contracts

B. Disposal

Problems

- All waste generated within the District needs to go to the District Landfill to keep the disposal costs down.

Solutions

- Develop policy statement that requires all waste in the District to go to the District Landfill
- Execute inter-district transfer agreements
- Maintain long term disposal capacity
- Support change over from free Saturday
- Grant funding for compost facility, wood chippers, and other improvements

C. Recycling

Problems

- Need additional drop-off centers
- Need additional material recovery centers
- Additional markets for recyclable materials
- Need additional development of e-waste and other specific target recycling programs
- Need additional participation in recycling programs
- HHW program needs to be expanded to include oil, batteries, and other material
- Need improvements in the educational program.

Solutions

- Increase the number of locations available for all count residents to tricycle a minimum of at least three recyclable items.
- Continue to promote buy and sell recycle programs
- Attract industry that makes products from recycled products generated in the District
- Develop more public/private partnerships
- Expand the e-waste program
- Expand school recycling programs in Greenwood, Barling, Mansfield, Hartford, and Fort Smith
- Start additional HHW centers in Fort Smith, Lavaca, and Mansfield
- Develop oil recycling and filter crushing, and used oil heating capability
- Seek funding for convenience centers, blue cans, dumpsters for cardboard, dumpsters for school recycling, collection centers, and other facilities/equipment
- Continue to develop additional MRF capacity

D. Waste Reduction

Problems

- The District does not have a formal waste reduction program

Solutions

- Obtain funding for coordinator and program administration
- Address school and office programs, coordinate industry, facilitate waste exchanges

E. Special Materials

Identify problems and solutions for each of the following special materials:

a. Illegal Disposal

i. Illegal Dumping

Problems

- Continued enforcement
- Providing adequate alternatives to illegal dumping

Solutions

- Continue established open dump control program
- Education provisions for Contractors
- make participation in collection mandatory

ii. Litter**Problems**

- Cooperation of local law enforcement
- Education of local authorities and the public

Solutions

- Cooperate fully with the Keep Arkansas Beautiful Program
- Develop specific policies and procedures
- Expand the existing education program to place additional emphasis on litter control

iii. Open Burning**Problems**

- Cooperation of local law enforcement
- Education of local authorities and the public

Solutions

- Provide/promote alternatives to open burning
- Promote no open burning of man-made waste
- Expand existing education program to place additional emphasis on open burning control

b. Waste Tires**Problems**

- Need waste tire processing capability to eventually process waste tires to crumb rubber

Solutions

- Continue to develop cooperative program with other Districts

c. Batteries**Problems**

- No formal program to address waste batteries

Solutions

- Expand the existing HHW program to emphasize batteries
- Expand the existing public education program to emphasize waste batteries

d. Household Chemical Waste Problems

- Need additional capacity to collect HHW
- Need additional education on HHW

Solutions

- Monitor the effectiveness of the existing HHW locations and determine additional locations
- Expand the existing education program to emphasize HHW
- Seek funding

e. Waste Electronics

Problems

- Need to continue to develop and expand the e-waste handling program
- In the event of an electronic waste landfill ban, what problems will the District face and what actions will be taken

Solutions

- Continue to develop e-waste program via additional personnel, transportation capability, and processing capability
- Develop policies and procedures
- Seek funding
- Cooperate with other districts in Arkansas
- Continue on the same course that we are presently on, which is to collect and transport any and all electronic waste to a qualified handler such as Unicor

f. Construction and Demolition Waste

Problems

- Insuring that contractors use permitted facilities

Solutions

- Encourage permits for construction
- Investigate reuse programs for road material recycling
- Cooperation of local law enforcement

g. Other Solid Wastes

Problems

- Additional solid waste issues have not been identified at this time

Solutions

- Additional solid waste issues have not been identified at this time

F. Education and Public Awareness**Problems**

- Existing program does not include sufficient emphasis on specific areas including collection, waste flow, waste reduction, litter control, open burning, HHW, batteries, waste oil, e-waste, and C&D waste.

Solutions

- Existing program will be expanded to include the indicated deficiencies
- Additional staff will be added as needed
- Eccopartners program will be enhanced

G. Other**Problems**

- No other areas have been identified at this time

Solutions

- No other areas have been identified at this time

Section 2.205 Administrative

A. Plan Implementation

Provide an administrative plan defining the implementation strategy, guidelines, policies and procedures.

The District role in the future will continue to be a role of technical assistance and administrative services provided to the member jurisdictions. The District hopes to promote the following areas in the future development and implementation of effective solid waste management programs:

- Extensive solid waste education in achieving 100% participation in solid waste collection
- Promote communication through inter local government organizations
- Provide education to District schools, communities, and residents

In order to assist the above State objectives and goals, the District has adopted the following issues as high level goals for the next decade:

1. 100% participation (every household in the District) utilizing a licensed solid waste collection service
2. A District wide recycling program with a material recovery facility which includes economic incentives to participate.
3. Continue to reduce illegal dumping and litter
4. Eliminate burn barrels
5. Encourage waste disposal at the District's only Landfill (Fort Smith)
6. Continue to enhance and implement the electronic waste program
7. Conduct fall and spring county clean-ups

The District will establish formal policies and procedures for each of the goal items identified in this solid waste management plan. These policies and procedures will be formally adopted by the District Board and a definite implementation strategy developed to achieve each goal. This process will require additional staff and funding.

B. Implementation Timetable

Provide a timetable outlining goal implementation schedule

The District will establish formal policies and procedures for each of the goal items identified in this solid waste management plan. However, this process will require additional staff and funding to insure effective implementation. The District has begun the process by establishing the funding source of a waste assessment fee collected at the Fort Smith Landfill to support District administration. The details of the goal implementation schedule will be assembled by the new staff that will be added in 2009. However, the following general schedule is anticipated:

Develop Justification for District waste assessment fee	Summer 2006	Done
Obtain authorization for District waste assessment fee	Fall 2006	Done
Begin collecting District waste assessment fee	Spring 2007	Done
Move District office	Spring 2007	Done
Hire additional District administrative staff	Spring/Summer 2007	Done
Establish District goals/expectations/priorities	Summer 2007	Done
Develop 2 year plan for implementation of District Goals	Fall 2008	Done
District adopt 2 year plan for implementation of District Goals	Fall 2008	Done
Establish In-class curriculum for local teachers (state approved)	Summer 2008	Done
Develop commercial cardboard recycling program	Fall 2009	Done
Integrate with U o f A Ft. Smith education curriculum	Fall 2009	started
Consolidate rural SW management systems for efficiency	Fall 2012	started

C. Funding and Budget

1. Does the current staff meet the needs of the District to provide a quality system of solid waste management oversight for its citizens? If not, in what areas is there a staffing need and how does the District plan to address this shortage?

Additional staff is needed to assist in the implementation of the expressed goals. This staff includes additional administrative personnel for the upgraded education and public awareness program, additional enforcement/recycling coordinator staff, and additional facilities staff (i.e., MRF and tire management). The District began to address this shortage in 2006 by successfully establishing a revenue source based upon a waste assessment fee collected at the Fort Smith Landfill. Funds from this revenue source became available in 2007. The District plans to start adding the additional staff in the Spring and Summer of 2009 - 2010.

2. To the best of your ability, for the upcoming fiscal year, provide an estimate of future or expected revenue sources and/or fees, such as user fees, waste disposal fees, grants, loans, and sales of recovered materials. Provide an estimation of total receipts from each revenue source from the previous year for the District. Estimate the percentage of annual revenue from each source.

REVENUE SOURCE 2009	ANNUAL RECEIPTS 2009	% ANNUAL REVENUE 2009
Hauler License Fees	\$24,566.00	4.7%
ADEQ Grants	\$11,700.00	2.2 %
Waste Assessment Fee	\$456,014.51	86.9%
E-Scrap Fee/sales	\$12,183.30	1.1%
Rental Income	\$6,291.96	1.2%
Miscellaneous	\$0.00	0.0%
Cardboard Recycling	\$7,060.27	1.4%
Interest Income	\$2,054.40	.4%
Sale of Asset	\$11,500.00	2.1%
TOTAL	\$524,868.28	100 %

3. Provide an estimate of future or expected solid waste services that are supported by these revenues.

The revenues support the following:

- ◆ Compliance assistance,
- ◆ Complaint investigation,
- ◆ Assistance with collection and disposal of waste,
- ◆ Development and implementation of the District budget,
- ◆ Fee collection,
- ◆ Administration of programs grants, licensing, and waste tire management
- ◆ Planning required of the Regional Solid Waste Management District
- ◆ Administration of the recycling grant program,
- ◆ Supervision of the collection and disposal of waste tires,
- ◆ Payment of District salaries, benefits, and expenses.
- ◆ E-waste recycling program continued development
- ◆ Obtain primacy delegation from the State for implementation and enforcement of Rule 22 within the District.
- ◆ Strengthen County regulations to allow the County Prosecutor to properly address illegal dumping, littering, burn barrels, and unsanitary/ unsafe trash storage on County land.
- ◆ Implement County regulations regarding Salvage Yard Licensing.

Section 2.206 Legislative Studies

Provide a list of legislative studies the District would like to see addressed.

1. Waste tire program to sunset the landfilling of whole tires.
2. Set up the infrastructure to recycle e-waste before a ban is placed on the landfilling of e-waste.
3. Expand the categories eligible for grant funding in Solid Waste Management and Recycling Grants program. (Reg. 28)
4. Make an inventory of the closed landfills covered by the landfill post closure trust fund and establish a base line for water quality for each one.
5. Legislation requiring the use of processed waste tires in road construction material and soil stabilization.
6. Legislation requiring ADEQ to investigate legitimate uses for waste glass.
7. Bottle Bill
8. Waste tire marketing program to be provided by the State

Section 2.207 Appendices

Append to the Plan, where available, the following information. (Append any changes or additions to Annual Reports.)

***Administrative Procedures, Regulations, Ordinances or Policies, By-Laws
Charts (including Organizational) and Maps
Recycling Program Reports
Other Pertinent Information***

Administrative Procedures, Regulations, Ordinances or Policies, By-Laws
APPENDIX A

Financial Information
APPENDIX B

Maps
APPENDIX C

District Hauler License Program
APPENDIX D

Waste Flow Policy
APPENDIX E

Waste Tire Information
APPENDIX F

Recycling Program Information
APPENDIX G